REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANISM AND CLIMATE CHANGE

# 2022 / 3

# CONSTRUCTION AND INSTALLATION UNIT PRICES

DIRECTORATE OF HIGHER TECHNICAL BOARD
SINCE 1934

**REPUBLIC OF TÜRKİYE**

**THE MINISTRY OF ENVIRONMENT, URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

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NOTES:

1- This book was translated based on the “İnşaat ve Tesisat Birim Fiyatları” (Construction and Installation Unit Prices) documents published by the Ministry of Environment, Urbanism and Climate Change Directorate of Higher Technical Board. The Turkish version of the “Construction and Installation Unit Prices” document shall prevail in understanding and interpreting the English version and resolving any discrepancies.

2- All materials and products in the documents "Construction and Installation Unit Prices shall be in compliance with the standards and can be procured from Turkey.

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# LABOR AND EQUIPMENT MARKET PRICE LISTS FOR THE UNIT PRICES FOR CONSTRUCTION WORKS

2022/3

# GENERAL PROVISIONS AND EXPLANATIONS FOR MARKET PRICES

1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.

2- In case of a later change in the market price standards applied, the latest versions of the standards in effect shall apply. Furthermore, they have to be supplied to the market securely in compliance with the latest legislation in effect.

3- The materials and products in this list shall be used in compliance with the relevant legislations of Environment, Health, Occupational Safety, Fire, Structural Materials and similar other legislation. If the list does not refer to the relevant legislation or if there are hesitations as to the referred legislation, the legislation in effect shall be applicable.

4- The unit prices published and updated on an annual basis by our Ministry shall be taken as basis as per the following statement in the article 17, paragraph 9 of the Law No. 6446 on the Electricity Market:

As per the provision "Unit prices for ground destruction which may arise from the infrastructure works shall not exceed the unit prices published by the Ministry of Environment and Urbanism," unit prices updated and published every year by our Ministry shall apply in determining the cost of ground destruction. Nevertheless, if the unit prices to be taken into consideration are not available in the unit price lists of our Ministry, the unit prices of the General Directorate of Highways, the General Directorate of İlbank A.Ş. and the General Directorate of State Hydraulic Works shall be taken as basis in the order of priority mentioned herein.

5- In case there are printer's and material errors in those lists, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on www.csb.gov.tr or directly on https://yfk.csb.gov.tr/.

6- Market prices with more recent item numbers, if any, shall be used for the market prices with amended item numbers in market price lists.

7- The values given in such lists do not include VAT and the contractor's overheads and profit.

(Effective 1 July 2022.)

10.100.-Market Prices for Labor

| Item No | Description | UoM | Market Price (TRY) |
|---|---|---|---|
| | **LABOR** | | |
| 10.100.1001 | Master stonemason | h | 45,00 |
| 10.100.1002 | Master floor tiler | h | 45,00 |
| 10.100.1003 | Master floor-and-wall tiler | h | 45,00 |
| 10.100.1004 | Master ceramic tiler | h | 45,00 |
| 10.100.1005 | Master marble tiler | h | 45,00 |
| 10.100.1006 | Master marble cutter | h | 45,00 |
| 10.100.1007 | Master mosaic tiler | h | 45,00 |
| 10.100.1008 | Master joiner | h | 45,00 |
| 10.100.1009 | Master carpenter | h | 45,00 |
| 10.100.1010 | Master of insulation | h | 45,00 |
| 10.100.1011 | Blaster (Blasting expert) | h | 45,00 |
| 10.100.1012 | Master plasterer | h | 45,00 |
| 10.100.1013 | Master bricklayer | h | 45,00 |
| 10.100.1014 | Master paver | h | 45,00 |
| 10.100.1015 | Concrete master | h | 45,00 |
| 10.100.1016 | Roof tiler | h | 45,00 |
| 10.100.1017 | Master builder | h | 45,00 |
| 10.100.1018 | Master blacksmith | h | 45,00 |
| 10.100.1019 | Master steel fixer | h | 45,00 |
| 10.100.1020 | Plasterboard master | h | 45,00 |
| 10.100.1021 | Master welder | h | 45,00 |
| 10.100.1022 | Master glazer | h | 45,00 |
| 10.100.1023 | Master painter | h | 45,00 |
| 10.100.1024 | Master whitewasher | h | 45,00 |
| 10.100.1025 | Master upholsterer | h | 45,00 |
| 10.100.1026 | Master tinsmith | h | 45,00 |
| 10.100.1027 | Master turner | h | 45,00 |
| 10.100.1028 | Master linoleum layer | h | 45,00 |
| 10.100.1029 | Master varnisher | h | 45,00 |
| 10.100.1030 | Timberman (does timbering work) | h | 45,00 |
| 10.100.1031 | Master coppersmith | h | 45,00 |
| 10.100.1032 | Master aluminum worker | h | 45,00 |
| 10.100.1033 | Gypsum board master | h | 45,00 |
| 10.100.1034 | Gypsum block  master | h | 45,00 |
| 10.100.1035 | Scaffolding Construction Worker | h | 45,00 |
| 10.100.1036 | Panel Roofer | h | 45,00 |
| 10.100.1037 | Concrete Pump Operator | h | 53,00 |
| 10.100.1038 | Gypsum board master's helper | h | 33,50 |
| 10.100.1039 | Master mosaic tiler's helper | h | 33,50 |
| 10.100.1040 | Gypsum Block Master's Helper | h | 33,50 |
| 10.100.1041 | Master carpenter's helper | h | 33,50 |
| 10.100.1042 | Master of insulation's helper | h | 33,50 |
| 10.100.1043 | Plasterboard master's helper | h | 33,50 |
| 10.100.1044 | Master plasterer's helper | h | 33,50 |
| 10.100.1045 | Master bricklayer's helper | h | 33,50 |
| 10.100.1046 | Master blacksmith's helper | h | 33,50 |

10.100.-Market Prices for Labor

| Item No | Description | UoM | Market Price (TRY) |
|---|---|---|---|
| 10.100.1047 | Master steel fixer's helper | h | 33,50 |
| 10.100.1048 | Master varnisher's helper | h | 33,50 |
| 10.100.1049 | Master pipefitter's assistant | h | 33,50 |
| 10.100.1050 | Master pipefitter | h | 45,00 |
| 10.100.1051 | Driver | h | 45,50 |
| 10.100.1052 | Heavy truck driver | h | 51,50 |
| 10.100.1053 | Chief machinist repairman | h | 65,00 |
| 10.100.1054 | Machinist | h | 45,50 |
| 10.100.1055 | Machine operator | h | 52,00 |
| 10.100.1056 | Assistant machinist | h | 36,50 |
| 10.100.1057 | Assistant operator | h | 43,00 |
| 10.100.1058 | Assistant driver | h | 35,00 |
| 10.100.1059 | Greaser | h | 33,00 |
| 10.100.1060 | Foreman | h | 65,00 |
| 10.100.1061 | Surveyor | h | 49,00 |
| 10.100.1062 | Unskilled worker (Construction worker) | h | 32,50 |
| 10.100.1063 | Expert worker | h | 35,00 |
| 10.100.1064 | Apprentice | h | 32,50 |
| 10.100.1065 | Overseer | h | 33,00 |
| 10.100.1066 | Tinsmith's helper | h | 33,00 |
| 10.100.1067 | Tunnel timberman | h | 43,50 |
| 10.100.1068 | First class master | h | 45,00 |
| 10.100.1069 | First class mater's helper | h | 33,00 |
| 10.100.1070 | Second class master | h | 42,50 |
| 10.100.1071 | Second class master's helper | h | 32,50 |
| 10.100.1072 | Pulverizer operator | h | 39,00 |
| 10.100.1073 | Shotcrete (applies concrete by a lance) | h | 39,00 |
| 10.100.1074 | Master gardener and sapling expert | h | 39,00 |
| 10.100.1075 | Runway concrete pavement master (for airport construction) | h | 45,00 |
| 10.100.1076 | Chief driller | h | 56,00 |
| 10.100.1077 | Driller | h | 54,00 |
| 10.100.1078 | Pump technician | h | 52,00 |
| 10.100.1079 | Cook | h | 48,00 |
| 10.100.1080 | Assistant cook | h | 42,50 |
| 10.100.1081 | Master electrician | h | 45,00 |
| 10.100.1082 | Master installer | h | 45,00 |
| 10.100.1083 | Master electrician's helper | h | 33,00 |
| 10.100.1084 | Master installer's helper | h | 33,00 |
| 10.100.1085 | Tower crane operator | h | 69,50 |
| 10.100.1086 | Wood Formwork Master (Reinforced concrete) | h | 45,00 |
| 10.100.1087 | Tunnel Formwork Master (Reinforced concrete) | h | 45,00 |
| 10.100.1088 | Panel Formwork Master (Reinforced concrete) | h | 45,00 |
| 10.100.1089 | Metal Formwork Master (Reinforced concrete) | h | 45,00 |
| 10.100.1090 | Formwork Master's Helper | h | 33,00 |
| | **PORT CONSTRUCTION (EXCLUDING ALL BUILDING CONSTRUCTION)** | | |
| 10.100.1501 | Dredger captain (close route captain) | h | 78,00 |
| 10.100.1502 | Dredger chief machinist | h | 66,50 |

10.100.-Market Prices for Labor

| Item No | Description | UoM | Market Price (TRY) |
|---|---|---|---|
| 10.100.1503 | Dredging expert | h | 90,50 |
| 10.100.1504 | Tugboat captain (Tugboat skipper) | h | 60,50 |
| 10.100.1505 | Tugboat machinist (Engineer) | h | 60,50 |
| 10.100.1506 | Self-propelled stone and mud collection barge captain (Port captain) | h | 60,50 |
| 10.100.1507 | Self-propelled stone and mud collection barge machinist (Engineer) | h | 56,50 |
| 10.100.1508 | Floating crane operator | h | 56,50 |
| 10.100.1509 | Dredger mate (Tugboat skipper) | h | 56,50 |
| 10.100.1510 | Dredger second machinist (Engineer) | h | 65,00 |
| 10.100.1511 | Boatswain | h | 43,50 |
| 10.100.1512 | Donkeyman | h | 43,50 |
| 10.100.1513 | Able seaman | h | 41,00 |
| 10.100.1514 | Ship greaser | h | 41,00 |
| 10.100.1515 | Diver's guide | h | 41,00 |
| 10.100.1516 | Chief cook | h | 41,00 |
| 10.100.1517 | Ship stoker | h | 41,00 |
| 10.100.1518 | Steward | h | 37,00 |
| 10.100.1519 | Sailor (Crew) | h | 37,00 |
| 10.100.1520 | Ship cleaner | h | 37,00 |
| 10.100.1521 | Ship assistant cook | h | 37,00 |
| 10.100.1522 | Diver | h | 104,00 |

10.110.-Market Prices for Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| | **VEHICLES** | |
| 10.110.1001 | Road carriage composed of three horses or mules (or five donkeys) (Daily) TRY | 235,00 |
| 10.110.1002 | Carriage coefficient for carts drawn by any kind of animal | 145,00 |
| 10.110.1003 | Motor vehicle carriage coefficient K for any type and tonnage: | 770,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| | **CONSTRUCTION PLANTS AND EQUIPMENT** | |
| 10.120.1001 | Excavators and dragline machines, 100 HP (1 yd³) | 1.100.000,00 |
| 10.120.1002 | Excavators and dragline machines, 140 HP (1½ yd³) | 1.490.000,00 |
| 10.120.1003 | Excavators and dragline machines, 170 HP (2 yd³) | 1.600.000,00 |
| 10.120.1004 | Excavators and dragline machines, 210 HP (2½ yd³) | 2.060.000,00 |
| 10.120.1005 | Excavator (crawler) (210 HP) (max. 2.5 m³) | 2.060.000,00 |
| 10.120.1006 | Excavators and dragline machines, 260 HP (3 yd³) | 2.350.000,00 |
| 10.120.1007 | Excavator (crawler) (260 HP) (max. 2.5 m³) | 2.350.000,00 |
| 10.120.1008 | Excavator backhoe, approximately 125 HP (3/4 – 15/8 yd³) | 1.490.000,00 |
| 10.120.1009 | Excavator (crawler) (300 HP) (max. 3.5 m³) | 2.850.000,00 |
| 10.120.1010 | Tractor-scraper<br>(TD 20 or equivalent 111 HP+ Wagon bucket 8 yd³) | 830.000,00 |
| 10.120.1011 | Tractor ripper (TD25 or equivalent, 185HP+ Ripper) | 1.850.000,00 |
| 10.120.1012 | Motor grader (Engine power higher than 80 HP, approximately 9 tons) | 850.000,00 |
| 10.120.1013 | Grader (190-209 HP) | 2.600.000,00 |
| 10.120.1014 | Grader (210-230 HP) | 3.000.000,00 |
| 10.120.1015 | Wheel tractor-scraper<br>(approximately 250 HP 24 yd³) | 3.400.000,00 |
| 10.120.1016 | Tractor bulldozer (70-HP engine + blade) | 580.000,00 |
| 10.120.1017 | Tractor bulldozer (100-HP engine + blade) | 710.000,00 |
| 10.120.1018 | Tractor bulldozer (160-HP engine + blade) | 950.000,00 |
| 10.120.1019 | Tractor bulldozer (TD 25 or equivalent, 185 HP + blade) | 1.550.000,00 |
| 10.120.1020 | Tractor bulldozer (285-HP engine + blade) | 3.100.000,00 |
| 10.120.1021 | Tractor bulldozer (345-HP engine + blade) | 3.400.000,00 |
| 10.120.1022 | Steam- or compressor-powered pile driver in complete form, coupled-automatic and with all accessories included<br>(Approximately 50 HP engine power, 6-ton hammer, able to drive backward with 1/4 inclination, and forward with 1/10 inclination) | 2.150.000,00 |
| 10.120.1023 | Compressor<br>(210-Cfm compressor + hose and guns) | 215.000,00 |
| 10.120.1024 | Ventilation machine<br>(including 210-Cfm compressor + ventilation pipes and accessories) | 240.000,00 |
| 10.120.1025 | Compressor (250 HP) | 730.000,00 |
| 10.120.1026 | Grouting machine<br>(210-Cfm compressor + injection pipes + supply tank) | 240.000,00 |
| 10.120.1027 | Compressor<br>(250 Cfm + pneumatic pile driver + pneumatic drill + pneumatic nutrunner group + pickup or light duty truck) | 300.000,00 |
| 10.120.1028 | Grouting machine<br>(with approximately 75 HP, 250 cfm capacity, injection pipes, supply tank) | 52.000,00 |
| 10.120.1029 | Backhoe loader (100 HP) (maximum 2.5 m³) | 970.000,00 |
| 10.120.1030 | Loader<br>(1½ yd³ or 5500 lbs load carrying capacity, equivalent to approximately 80 HP, wheel) | 570.000,00 |
| 10.120.1031 | Loader (wheel) (100 HP) (maximum 2 m³) | 780.000,00 |
| 10.120.1032 | Loader (traxcavator)<br>(1½ yd³ approximately 56 HP) (Crawler) | 1.150.000,00 |
| 10.120.1033 | Concrete mixer (approximately 250 L including engine) | 37.400,00 |
| 10.120.1034 | Concrete mixer (approximately 500 L including engine) | 37.400,00 |
| 10.120.1035 | Concrete mixer (approximately 1000 L including engine) | 109.000,00 |
| 10.120.1036 | Concrete mixer (approximately 1000 L including engine, semi-automatic) | 110.000,00 |
| 10.120.1037 | Mosaic floor grinding machine (Gasoline-powered) | 14.800,00 |
| 10.120.1038 | Road line remover machine (7.5 HP power, bicycle type) | 154.000,00 |
| 10.120.1039 | Sandblasting machine complete with all accessories | 27.000,00 |
| 10.120.1040 | Concrete vibrator (4 HP) | 27.000,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| 10.120.1041 | Vibrator completely operating with a compressor | 85.000,00 |
| 10.120.1042 | Rock crusher (120 to 150 m³/h – 215 HP) | 2.630.000,00 |
| 10.120.1043 | Sieving machine<br>(Approximately 70 HP, 3 or 4 stages, 100 m³/h capacity, vibrated, drawn type) | 213.000,00 |
| 10.120.1044 | Sieving machine, 70 HP, 100 m³/h | 213.000,00 |
| 10.120.1045 | Lift, approximately 15 HP, 10 to 18 m length and 60 cm belt width | 45.500,00 |
| 10.120.1046 | Lift, approximately 25 HP, 18 to 24 m length and 60 cm belt width | 102.000,00 |
| | **Approximately 50 MSS (total pumping head as meter) vertical-shaft deep well pumps with a dish, column group, threaded head and diesel engine** | |
| 10.120.1047 | Ø: 0 to 10 L/sec (including 10) | 38.500,00 |
| 10.120.1048 | Ø: 10 to 20 L/sec (including 20) | 51.000,00 |
| 10.120.1049 | Ø: 20 to 40 L/sec (including 40) | 63.000,00 |
| 10.120.1050 | Ø: 40 to 80 L/sec (including 80) | 116.000,00 |
| | Note: The price shall be raised by 20% for each extra 10 m of MSS. | |
| 10.120.1051 | Water pump (5 PS power, approximately 50 mm in diameter) | 4.600,00 |
| 10.120.1052 | Water pump (10 HP) | 7.100,00 |
| 10.120.1053 | Water pump (15 PS power, approximately 100 mm in diameter) | 11.000,00 |
| 10.120.1054 | Water pump (20 PS power, approximately 125 mm in diameter) | 19.300,00 |
| 10.120.1055 | Water pump (30 PS power, approximately 135 mm in diameter) | 37.400,00 |
| 10.120.1056 | Water pump (45 PS power, approximately 150 mm in diameter) | 53.500,00 |
| 10.120.1057 | Water pump (60 PS power, approximately 200 mm in diameter) | 62.500,00 |
| 10.120.1058 | Mobile Concrete Pump (420 HP) | 5.280.000,00 |
| 10.120.1059 | Water Truck (with 5-ton water tank) | 119.000,00 |
| 10.120.1060 | Water Truck (Pick-up) | 69.500,00 |
| 10.120.1061 | Dump Truck (120 HP power, 7-ton capacity) | 259.000,00 |
| 10.120.1062 | Plunger water pumps with engine | 25.900,00 |
| 10.120.1063 | Every type (vibratory rammer) of plate compactor<br>(Approx. 400 kg static weight, 9 HP) | 22.600,00 |
| 10.120.1064 | Vibratory roller<br>(Vibratory roller with 4 to 5-ton (inclusive) static weight and 8 to 9-ton dynamic power + crawler tractor with approximately 35 to 58 HP) | 435.000,00 |
| 10.120.1065 | Vibratory roller<br>(Roller with 4 to 5-ton (inclusive) static weight and 8 to 9-ton dynamic power + crawler tractor with approximately 41 to 56 HP) | 490.000,00 |
| 10.120.1066 | Vibratory roller<br>(Roller with 5 to 6-ton (inclusive) static weight and 10 to 12-ton dynamic power + crawler tractor with approximately 45 to 61 HP) | 523.000,00 |
| 10.120.1067 | Vibratory roller<br>(Roller with 6 to 7-ton (including 7 tons) static weight and 12 to 14-ton dynamic power + crawler tractor with approximately 50 to 60 HP) | 812.000,00 |
| 10.120.1068 | Vibratory roller<br>(Roller with 7 to 9-ton (including 9 tons) static weight and 14 to 18-ton dynamic power + crawler tractor with approximately 56 to 76 HP) | 886.000,00 |
| 10.120.1069 | Vibratory roller<br>(Roller with 9 to 11-ton (including 11 tons) static weight and 18 to 22-ton dynamic power + crawler tractor with approximately 66 to 86 HP) | 1.150.000,00 |
| 10.120.1070 | Vibratory roller<br>(Roller with 11 to 13-ton (including 13 tons) static weight and 22 to 26-ton dynamic power + crawler tractor with approximately 76 to 96 HP) | 1.220.000,00 |
| 10.120.1071 | Vibratory roller<br>(Roller with 13 to 15-ton (including 15 tons) static weight and 26 to 30-ton dynamic power + crawler tractor with approximately 90 to 110 HP) | 1.320.000,00 |
| 10.120.1072 | Complete pad foot roller<br>(Total weight of 40-HP crawler tractor and drums shall be 4000 kg with 2-drum pad foot where each drum is min. 1.20-m long) | 340.000,00 |
| 10.120.1073 | Steel-drum roller<br>(8 to 10 tons (including 10 tons), 2 or 3 wheels) (40 HP) | 345.000,00 |
| 10.120.1074 | Steel-drum roller<br>(10 to 14 tons (including 14 tons), 2 or 3 wheels) (60 HP) | 425.000,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| 10.120.1075 | Wheel roller<br>(7 to 8 tons (inclusive) with tractor) (40 HP) | 345.000,00 |
| 10.120.1076 | Pull-behind wheel roller<br>(8 to 10 tons (inclusive), without tractor) | 142.000,00 |
| 10.120.1077 | Wheel roller (self-moving)<br>(60-80 HP, 21 tons of static weight) | 450.000,00 |
| 10.120.1078 | Wheel roller (self-moving)<br>(80-100 HP, 35 tons of static weight) | 630.000,00 |
| 10.120.1079 | Wheel tractor<br>(Approximately 45 HP, with plow and discs) | 77.000,00 |
| 10.120.1080 | Wheel tractor (Approximately 80 to 100 HP power) | 140.000,00 |
| 10.120.1081 | Aggregate silo (4 cells, 100 tons/h work rate) | 85.000,00 |
| 10.120.1082 | Aggregate silo (4 cells, 50 tons/h work rate) | 55.000,00 |
| 10.120.1083 | Cement silo<br>(with approximately 80 to 100 m³ air system) | 70.000,00 |
| 10.120.1084 | Small sieving plant (Capacity 40 tons/h) (30 HP) | 360.000,00 |
| 10.120.1085 | Mineral filler feeder (Diesel-powered) | 41.000,00 |
| 10.120.1086 | Large sieving plant (Capacity 100 tons/h) | 780.000,00 |
| 10.120.1087 | Trailer distributor (500 US gallons) | 81.000,00 |
| 10.120.1088 | Distributor (installed on a 1500-US gallon truck) | 260.000,00 |
| 10.120.1089 | Small asphalt drying machine<br>(Plant with approximately 60-80 HP, 40 tons/h capacity) | 370.000,00 |
| 10.120.1090 | Large asphalt drying machine<br>(Plant with approximately 100-120 HP, 100 tons/h capacity) | 1.040.000,00 |
| 10.120.1091 | Asphalt tank (with 40-ton heating system) | 36.000,00 |
| 10.120.1092 | 40-m³ fixed water tank | 25.000,00 |
| 10.120.1093 | Sweeping machine<br>(9-feet, non-motorized, pull-behind, rotating drum) | 25.000,00 |
| 10.120.1094 | Vacuum sweeping machine (Approximately 130 HP + 81 HP) | 980.000,00 |
| 10.120.1095 | Thermoplastic road line marking machine and heater<br>(Approximately 151 HP) | 1.750.000,00 |
| 10.120.1096 | Cold road line marking machine (Approximately 168 HP) | 1.400.000,00 |
| 10.120.1097 | Thermoplastic paint preheater<br>(175 HP, truck-mounted, and equipped with a heating and stirring systems) | 1.300.000,00 |
| 10.120.1098 | Stone chip spreader<br>(12-feet, non-motorized, pull-behind, equipped with a spreader roller) | 29.000,00 |
| 10.120.1099 | Road mixer<br>(Approximately 100 HP power and 50 m³/h capacity) | 380.000,00 |
| 10.120.1100 | Pulvimixer<br>(Approximately 50 HP power and 25 m³/h capacity, pull-behind) | 83.000,00 |
| 10.120.1101 | Pull-behind mixer<br>(Approximately 22 HP. Capacity 5 tons/h.) | 83.000,00 |
| 10.120.1102 | Hot type small mixer<br>(Approximately 60 to 80 HP. Capacity 40 tons/h.) | 248.000,00 |
| 10.120.1103 | Heating and stirring machine for preparing mastic asphalt<br>(1 ton/hour capacity) | 105.000,00 |
| 10.120.1104 | Concrete/Asphalt curbing machine<br>(10-15 HP power) | 170.000,00 |
| 10.120.1105 | Concrete/Asphalt curbing machine<br>(20-30 HP) | 510.000,00 |
| 10.120.1106 | Large hot mixer (Approximately 100 tons/h capacity) | 910.000,00 |
| 10.120.1107 | Stabilization mixer<br>(100 to 200-ton/h capacity, 80 to 120-HP power) | 270.000,00 |
| 10.120.1108 | Equipped with a mixer machine (15 HP)<br>(For circulation sludge) | 7.700,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| 10.120.1109 | Equipped with a mixer machine (75 HP)<br>(For circulation sludge) | 15.200,00 |
| 10.120.1110 | Small finisher<br>(Approximately 30 to 50 HP. Capacity 100 tons/h.) (Asphalt) | 315.000,00 |
| 10.120.1111 | Large finisher<br>(Approximately 80 to 100 HP. Capacity 200 tons/h.) (Asphalt) | 660.000,00 |
| 10.120.1112 | Asphalt finisher with electronic sensors<br>(Approximately 60 to 100 HP. Capacity 300 ton/h, 5 to 10-m³ reservoir) | 950.000,00 |
| 10.120.1113 | Concrete finisher with approximately 70 HP and 50 m³/h capacity | 1.900.000,00 |
| 10.120.1114 | Channel Concrete Pavement Machine with Slip Form<br>(50 m³/h capacity - 130 HP power) | 5.750.000,00 |
| 10.120.1115 | Aggregate spreading machine<br>(Approximately 23 HP power and 25 m³/h capacity) | 83.000,00 |
| 10.120.1116 | Mechanical aggregate spreader<br>(Bulldozer-drawn, with 3 to 4-meter spreading width) | 31.000,00 |
| 10.120.1117 | Vapor generator<br>(Approximately 30-HP power, and with hoses that can heat 3 x 40-ton tanks in parallel) | 124.000,00 |
| 10.120.1118 | Asphalt pump<br>(Approximately 25 HP, Capacity 50 ton/h, with 2 to 3-inch (including 3) hoses) | 26.400,00 |
| 10.120.1119 | Asphalt pump<br>(Approximately 50 HP, Capacity 100 ton/h, with 2 to 6-inch including hoses) | 34.100,00 |
| 10.120.1120 | Pull-behind spreader box<br>(0.50 m² windrow section, drawn type) | 10.200,00 |
| 10.120.1121 | Aggregate washing plant<br>(Approximately 30 HP, 25 m³/h capacity) | 81.000,00 |
| 10.120.1122 | Bored pile rig (200 HP) | 3.400.000,00 |
| 10.120.1123 | Bored pile rig (300 HP) | 10.500.000,00 |
| 10.120.1124 | Bored pile rig (440 HP) | 12.900.000,00 |
| 10.120.1125 | Scraper: Equipped with a 70-HP engine, for plants with approximately 8 yd³ scraper wagons. | 1.390.000,00 |
| 10.120.1126 | Automatic concrete plant with 1000-liter capacity and 50 m³/h work rate<br>(including radial scraper, star batcher, aggregate scale, forced concrete mixer loading bucket, forced concrete mixer + cement scale, water meter, pressure air equipment, maintenance platform, control cabinet, control panel, carrier structure, cement silo, cement conveyor) | 780.000,00 |
| 10.120.1127 | Prefabricated concrete paving block plant, overhead filling silo with 75 m²/h capacity, vibrating plate, 62 kW total engine power, molding, etc. | 4.500.000,00 |
| 10.120.1128 | Asphalt scraper machine (with 400 HP power, max. 2.05 m milling width, 0.15 m milling depth, and conveyor) | 6.200.000,00 |
| 10.120.1129 | Concrete pipe moving machine (at factory) | 390.000,00 |
| 10.120.1130 | Concrete pipe production machine | 1.100.000,00 |
| | **Rotary type water drilling machines (with equipment)** | |
| 10.120.1131 | 100 to 200 m drilling capacity | 920.000,00 |
| 10.120.1132 | 400 to 500 m drilling capacity | 2.200.000,00 |
| 10.120.1133 | 750 m drilling capacity | 2.400.000,00 |
| | **Rotary type foundation drilling machines (with equipment)** | |
| 10.120.1134 | 40 to 100 m drilling capacity | 310.000,00 |
| 10.120.1135 | 200 to 250 m drilling capacity | 420.000,00 |
| 10.120.1136 | 300 to 350 m drilling capacity | 530.000,00 |
| 10.120.1137 | 500 m drilling capacity | 600.000,00 |
| 10.120.1138 | 700 m drilling capacity | 670.000,00 |
| 10.120.1139 | 960 m drilling capacity | 820.000,00 |
| 10.120.1140 | BPE 80 m and similar concrete pump with rotor system | 1.850.000,00 |
| 10.120.1141 | Drilling machine with hammering capability<br>(100 to 150 m drilling capacity with the equipment) any diameter | 560.000,00 |
| 10.120.1142 | 25 to 30 HP complete welding machine | 57.200,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| 10.120.1143 | Power generator (min. 5 kW) | 11.500,00 |
| 10.120.1144 | Drilling machine with hammering capability<br>(Non-motorized, 125-ton, water line: 1.85 m) | 430.000,00 |
| 10.120.1145 | Drilling machine with hammering capability<br>(Non-motorized, 400-ton, water line: 2.5 m) | 970.000,00 |
| 10.120.1146 | Dredging rock barge for stone with hinged lid<br>(Non-motorized, 300-ton, water line: 2.2 m) | 970.000,00 |
| 10.120.1147 | Chocked sand bollard<br>(Non-motorized, 300 m³, water line: 2 m) | 970.000,00 |
| 10.120.1148 | Dredging sand barge with opening in the middle<br>(Approximately 2 x 255 HP, motorized, 500-m³, water line: 3.40 M) | 3.800.000,00 |
| 10.120.1149 | Non-motorized lighter<br>(180-ton, hoisting capacity: 5 tons, water line: 1 M) | 1.750.000,00 |
| 10.120.1150 | Diesel engine trailer<br>(Approximately 116 HP, water line: 0.85 M) | 730.000,00 |
| 10.120.1151 | Diesel engine trailer<br>(Approximately 240 HP, water line: 1.75 M) | 1.640.000,00 |
| 10.120.1152 | Diesel engine trailer<br>(Approximately 310 HP, water line: 2 M) | 1.700.000,00 |
| 10.120.1153 | Diesel engine trailer<br>(Approximately 525 HP, water line: 1.8 M) | 4.300.000,00 |
| 10.120.1154 | Diesel engine trailer<br>(Approximately 2 x 300 HP, water line: 2.60 M) | 4.600.000,00 |
| 10.120.1155 | Coal-powered floating crane<br>(Derrick) (60-ton, 1080 tons x M, max. 24 m guide rope, hoisting height: min. 16, max. 29 m) | 4.300.000,00 |
| 10.120.1156 | Manual lawnmower | 800,00 |
| 10.120.1157 | Motorized lawnmower | 5.500,00 |
| 10.120.1158 | Walking tractor for garden (11 HP power) | 26.400,00 |
| 10.120.1159 | Garden tractor (35 HP power) | 53.400,00 |
| 10.120.1160 | 10-L lever-operated knapsack sprayer | 550,00 |
| 10.120.1161 | 10-L motorized knapsack sprayer | 3.100,00 |
| 10.120.1162 | 100-L, hand-drawn, motorized sprayer | 8.100,00 |
| 10.120.1163 | 250-L, vehicle-drawn, motorized sprayer | 13.500,00 |
| 10.120.1164 | 560-L, vehicle-drawn, motorized sprayer | 23.700,00 |
| 10.120.1165 | 1200-L, motorized mobile sprayer | 75.000,00 |
| 10.120.1166 | 2200-L, vehicle-carried, hydraulic<br>Motorized pulverizer | 57.800,00 |
| | Note: Market prices of the Sprayers with other capacities in the items 10.120.1160 - 1161 - 1162 - 1163 - 1164 - 1165 - 1166 shall be interpolated. | |
| 10.120.1167 | Pressuremeter | 173.000,00 |
| 10.120.1168 | Pressuremeter probe (support) | 9.300,00 |
| 10.120.1169 | Pressuremeter probe rubber | 1.000,00 |
| 10.120.1170 | Special hose for pressuremeter | 9.200,00 |
| 10.120.1171 | Slotted tube for pressuremeter (Slotted driving pipe) | 6.300,00 |
| 10.120.1172 | Geophysical resistivity instrument | 200.000,00 |
| 10.120.1173 | Geophysical logging instrument | 480.000,00 |
| 10.120.1174 | Geophysical Seismic Reaction Instrument | 580.000,00 |
| 10.120.1175 | Crane (Truck-mounted) | 195.000,00 |
| 10.120.1176 | Gantry Crane (60 tons) | 580.000,00 |
| 10.120.1177 | Diesel-electric cutting-suction dredge vessel<br>(Approximately 400 m³/h capacity, max. 16 m dredging depth, able to pump dredged materials to 800 m away or 6 m high) | 33.000.000,00 |
| 10.120.1178 | Refueler truck (215 HP) (For ongoing works) | 1.800.000,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| 10.120.1179 | Grab bucket amphibious excavator<br>(Approximately 180 HP, 3 yd³, able to move 4.5 tons 18 meters, max. lifting capacity as a crane: 15 tons) | 3.100.000,00 |
| 10.120.1180 | Amphibious excavator with reverse bucket (Backhoe)<br>(About 225 HP, 3 m³ bucket capacity, max. extension range: 9 m, max. excavating depth: 8.5 m) | 6.400.000,00 |
| 10.120.1181 | Pontoon (100-ton crane barge)<br>(For ongoing works) | 319.000,00 |
| 10.120.1182 | Diver boat<br>(Including a compressor, diver suit, hoses and accessories) | 231.000,00 |
| 10.120.1183 | Car trailer (Approximately 300 HP) | 836.000,00 |
| 10.120.1184 | Flume factory<br>(2 m³/h capacity of prefabricated concrete) | 6.800.000,00 |
| 10.120.1185 | Ø150 - Ø800 mm steam-cured concrete and reinforced concrete pipe manufacturing plant<br>(including all equipment) | 8.250.000,00 |
| 10.120.1186 | Ø900 - Ø1200 mm steam-cured concrete and reinforced concrete pipe manufacturing plant<br>(including all equipment) | 12.650.000,00 |
| 10.120.1187 | Ø1400 - Ø1600 mm steam-cured concrete and reinforced concrete pipe manufacturing plant<br>(including all equipment) | 19.250.000,00 |
| 10.120.1188 | Ø1800 - Ø2000 mm steam-cured concrete and reinforced concrete pipe manufacturing plant<br>(including all equipment) | 27.000.000,00 |
| 10.120.1189 | Ø2200 - Ø2600 mm steam-cured concrete and reinforced concrete pipe manufacturing plant<br>(including all equipment) | 30.600.000,00 |
| 10.120.1190 | Ø2800 - Ø3000 mm steam-cured concrete and reinforced concrete pipe manufacturing plant<br>(including all equipment) | 37.300.000,00 |
| 10.120.1191 | Prefabricated inspection chamber manufacturing plant<br>(including all equipment) | 270.000,00 |
| 10.120.1192 | Aluminum joinery workshop | 990.000,00 |
| 10.120.1193 | Plastic joinery workshop | 920.000,00 |
| 10.120.1194 | Iron joinery workshop | 1.400.000,00 |
| 10.120.1195 | Tunnel formwork workshop | 1.400.000,00 |
| 10.120.1196 | Woodwork shop | 1.600.000,00 |
| 10.120.1197 | Workshop for scaffolds made of prefabricated components (steel and aluminum) | 980.000,00 |
| 10.120.1198 | Mass Concrete Cooler/Heater<br>(Complete System including a Compressor, Pump, Pipes and Valves) (12 Delivery and 12 Return Lines, Able to Generate Water at Desired Flow Rate and Temperature, and Generate Reports), 130 kW power | 1.250.000,00 |
| 10.120.1199 | Mass Concrete Cooler/Heater<br>(Complete System including a Compressor, Pump, Pipes and Valves) (12 Delivery and 12 Return Lines, Able to Generate Water at Desired Flow Rate and Temperature, and Generate Reports), 200 kW power | 1.700.000,00 |
| 10.120.1200 | Coal-powered dredging vessel with bucket<br>(500-L bucket volume, approximately 350 m³/h dredging capacity, able to dredge at 7 to 20-meter depth) | 34.000.000,00 |
| 10.120.1201 | Fuel-oil-powered sand dredger vessel<br>(Approximately 600 m³/h capacity, max. 15 m suction depth, able to absorb sand with 1.5 to 4 mm grain diameter, storage volume: 600 m³) | 21.000.000,00 |
| 10.120.1202 | 6-meter-long, pressure-resistant hose, 4 inches in diameter<br>(Used for cement stabilization and similar other works as well as pumping cement to the silo.) | 570,00 |
| 10.120.1203 | Joint Cutting Machine<br>(Maximum cutting depth 160 mm - 12 HP)<br>(Complete including knife, water tank, etc.) | 39.000,00 |
| 10.120.1204 | Helicopter trowel (9 HP)<br>(Complete with a tray, 4 blades, etc.) | 21.500,00 |
| 10.120.1205 | Seamless Groove Machine, 1.5 HP, 1400 rpm, 220 V<br>(12 m/min production speed) | 69.300,00 |
| 10.120.1206 | Welding machine (Approximately 300 amps) | 12.500,00 |
| 10.120.1207 | Spreader (400 m³/day) (for airport construction) | 990.000,00 |
| 10.120.1208 | Diesel-electric bucket dredger<br>(500-L bucket volume, approximately 300 m³/h dredging capacity, able to dredge at 7 to 20-meter depth) | 34.000.000,00 |
| 10.120.1209 | Diesel-electric bucket dredger<br>(250-L bucket volume, approximately 150 m³/h dredging capacity, able to dredge at 6.5 to 16-meter depth) | 21.000.000,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| 10.120.1210 | Diesel-electric bucket dredger<br>(750-L bucket volume, approximately 500 m³/h dredging capacity, able to dredge at 10 to 22-meter depth) | 42.400.000,00 |
| | **Floor Stabilization System Machines** | |
| | **Deep Mixing Method Machines** | |
| 10.120.1211 | Complete system including an Excavator (280 HP) + a Single-tank, Mobile Lime Silo (130 HP) + a Mixing Tip + a Compressor (60 HP) | 16.500.000,00 |
| 10.120.1212 | Complete system including an Excavator (280 HP) + a Double-tank, Mobile Lime Silo (130 HP) + a Mixing Tip + a Compressor (60 HP) | 19.250.000,00 |
| | **Surface Stabilization Method Machines** | |
| 10.120.1213 | Mixer Crusher (600 HP) | 14.300.000,00 |
| 10.120.1214 | Lime Spreader (250 HP) | 4.730.000,00 |
| 10.120.1215 | Turning lathe (7.5 kW) | 124.000,00 |
| 10.120.1216 | Premixed plaster machine (7.5 kW) | 358.000,00 |
| 10.120.1217 | Truck mixer (with a 120-HP truck and a cement mixer with 4-m³ useful volume and 56-HP drive motor mounted on the truck) | 1.150.000,00 |
| 10.120.1218 | Drawn-type Concrete Pump (with a 75 HP power, 50 m³/h capacity and concrete delivery pipes) | 950.000,00 |
| 10.120.1219 | Crane<br>(130-hp, rubber-tire hydraulic crane with 8 to 25-meter boom length and 25-ton average hoist capacity)<br>Rubber-tire hydraulic crane with boom length and 25-ton average hoist capacity) | 4.000.000,00 |
| 10.120.1220 | Crane<br>(240-hp, rubber-tire mobile crane with 11 to 33.5-meter boom length and 55 to 60-ton average hoist capacity)<br>(240-HP, rubber-tire mobile crane with 11 to 33.5-meter boom length and 55 to 60-ton average hoist capacity) | 5.100.000,00 |
| 10.120.1221 | Mobile crane (60 tons - 240 HP) | 5.100.000,00 |
| 10.120.1222 | Crane<br>(270-HP, rubber-tire mobile crane with 16 to 36-meter boom length and 30-ton average hoist capacity) | 4.600.000,00 |
| 10.120.1223 | Crane<br>(476-HP, rubber-tire mobile crane with 42 to 55-meter boom length and 80-ton average hoist capacity) | 7.800.000,00 |
| 10.120.1224 | Tower crane<br>(height: 65 m, boom length: 65 m, max. capacity: 10 tons, traveling on rail) (TS ISO 4306-3) | 5.700.000,00 |
| 10.120.1225 | Blender | 7.000,00 |
| 10.120.1226 | Mobile air compressor (12 bars, 760 cfm) | 1.650.000,00 |
| 10.120.1227 | Crawler drilling rig (160 HP) | 4.300.000,00 |
| 10.120.1228 | Drilling rig with jet grouting equipment | 9.800.000,00 |
| 10.120.1229 | Pipe installing by microtunneling machine<br>(160 kw boring power, 160 tons, 218 HP, Ø400mm to Ø1000mm) | 11.600.000,00 |
| 10.120.1230 | Pipe installing by microtunneling machine<br>(250 to 1200-ton driving power, 340-HP, Ø1000 mm to Ø2600 mm) | 49.000.000,00 |
| | **Shotcrete machine** | |
| 10.120.1231 | Theoretical dry mix spraying capacity: max. 10 m³/h | 220.000,00 |
| 10.120.1232 | Wet mix spraying capacity: max. 30 m³/h | 2.100.000,00 |
| 10.120.1233 | Theoretical wet and dry mix spraying capacity: max. 20 m³/h | 2.600.000,00 |
| 10.120.1234 | Axial Fan<br>(3 x 75 kW frequency converter fan + 1000-m fan tube) | 1.300.000,00 |
| | **Tunnel Boring Machine (TBM)** | |
| 10.120.1235 | TBM with max. 50 m² tunnel section, 2 x 75 kW electric motor power and electric hydraulic controller with two levers | 6.300.000,00 |
| 10.120.1236 | TBM with tunnel section above 50 m², 2 x 75 kW or up to 3 x 75 kW electric motor power and electric hydraulic controller with three levers | 10.700.000,00 |
| 10.120.1237 | Iron cutting and bending machine<br>(including all accessories) | 50.600,00 |
| 10.120.1238 | Forklift (4 tons, 40 HP) | 254.000,00 |
| 10.120.1239 | Mobile crane (9 tons, 80 HP) | 920.000,00 |
| 10.120.1240 | Two-component insulation material dosage mixing machine<br>(Complete system including spray guns, Hoses, Transfer Pumps, Electrical Panels, Compressors, Dryers, Any type of nozzle, etc.) | 880.000,00 |

10.120.-Market Prices for Construction Machinery and Vehicles

| Item No | Description | Market Price (TRY) |
|---|---|---|
| | **DRILLS AND BITS** | |
| 10.120.1241 | Vidya drill bit (Hard mineral) | 44,00 |
| 10.120.1242 | Vidya kron drill bit | 630,00 |
| 10.120.1243 | Diamond drill bits<br>(Carat percentage: 23) | 1.700,00 |
| 10.120.1244 | Drill (4 1/2 inches for drilling) | 5.050,00 |
| 10.120.1245 | Drill (9 7/8 inches for drilling) | 20.700,00 |
| 10.120.1246 | Drill (12 1/4 inches) | 27.000,00 |
| 10.120.1247 | Drill (15 inches) | 32.800,00 |
| 10.120.1248 | Drill (17 1/2 inches) | 42.300,00 |
| | **Diaphragm Wall Equipment** | |
| 10.120.1301 | Grab Machine (Approximately 285 HP, with 60 to 65-meter boom length) | 21.300.000,00 |
| 10.120.1302 | Hydromill (Crawler excavator body - approximately 775 HP) | 74.000.000,00 |
| 10.120.1303 | Bentonite Unit - Mixing and Screening Unit (Desander) (Including silo and compressor) | 17.000.000,00 |
| 10.120.1304 | Scroll Pump (110 kw-450 $m^3/h$) | 2.150.000,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **PRINCIPAL CONSTRUCTION MATERIALS** | | | |
| | **AGGREGATES (TS 706 EN 12620+A1)**<br>**(Loading, unloading and laying of sand, gravel and crushed stone are not included)** | | | |
| 10.130.1001 | Gravel (coarse aggregate that does not need to be screened) | m³ | Warehouse | 26,00 |
| 10.130.1002 | Gravel (extracted from screened all-in aggregate materials, and washed) | m³ | Warehouse | 63,00 |
| 10.130.1003 | Gravel (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes) | m³ | Warehouse | 70,00 |
| 10.130.1004 | Sand (fine-grained aggregate that does not need to be screened) | m³ | Warehouse | 26,00 |
| 10.130.1005 | Sand (extracted from screened all-in aggregate materials, and washed) | m³ | Warehouse | 64,00 |
| 10.130.1006 | Sand (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes) | m³ | Warehouse | 70,00 |
| 10.130.1007 | Fine sand for plaster or grout (screened and washed) | m³ | Warehouse | 80,00 |
| 10.130.1008 | Crushed stone up to 32 mm | m³ | Warehouse | 125,00 |
| 10.130.1009 | Crushed stone up to 63 mm (prepared by mixing minimum two classes) | m³ | Warehouse | 115,00 |
| | **Coarse aggregate** | | | |
| 10.130.1021 | Gravel (coarse aggregate that does not need to be screened)<br>(Machine-supplied) (08.008)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 24,12 |
| 10.130.1022 | Gravel (extracted from screened all-in aggregate materials, and washed)<br>(Machine-supplied) (08.009/1)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 61,81 |
| 10.130.1023 | Gravel (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes)<br>(Machine-supplied) (08.009/2)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 68,31 |
| | **Fine aggregate** | | | |
| 10.130.1024 | Sand (fine-grained aggregate that does not need to be screened)<br>(Machine-supplied) (08.008)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 24,12 |
| 10.130.1025 | Sand (extracted from screened all-in aggregate materials, and washed)<br>(Machine-supplied) (08.009/1)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 61,81 |
| 10.130.1026 | Sand (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes)<br>(Machine-supplied) (08.009/2)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 68,31 |
| 10.130.1027 | Fine sand for plaster or grout (screened and washed)<br>(Machine-supplied) (08.009/3)<br>(price charged for 57% of the diesel fuel) | m³ | Quarry | 78,06 |
| | **Crushed stone** | | | |
| 10.130.1028 | Crushed stone up to 63 mm (prepared by mixing minimum two classes) 08.022(Y) | m³ | Quarry | 112,23 |
| 10.130.1029 | Crushed stone up to 32 mm 08.023(Y) | m³ | Quarry | 122,05 |
| | **Artificial Concrete Aggregates (TS 706 EN 12620+A1)** | | | |
| 10.130.1041 | Iron cinder fine aggregate | m³ | Warehouse | 21,50 |
| 10.130.1042 | Iron cinder coarse aggregate | m³ | Warehouse | 17,50 |
| 10.130.1043 | Iron cinder mixed aggregate | m³ | Warehouse | 19,50 |
| | **Artificial Aggregate for Materials with Hydraulic Binder or without Binder Used for Road Building**<br>**(TS EN 13242 + A1)** | | | |
| 10.130.1044 | Iron cinder mixed aggregate | m³ | Warehouse | 25,50 |
| | **Silica Sand and Gravel** | | | |
| 10.130.1049 | Silica (quartz) sand and gravel<br>(TS EN 12904) | Kg | On the job | 0,65 |
| | **CEMENTS** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.1201 | Portland cement (Bagged)<br>(TS EN 197-1 CEM I 42.5 N) | Tons | Factory | 990,00 |
| 10.130.1202 | Portland cement (Bulk)<br>(TS EN 197-1 CEM I 42.5 N) | Tons | Factory | 970,00 |
| 10.130.1203 | Portland cement (Bagged)<br>(TS EN 197-1 CEM I 42.5 R) | Tons | Factory | 990,00 |
| 10.130.1204 | Portland cement (Bulk)<br>(TS EN 197-1 CEM I 42.5 R) | Tons | Factory | 970,00 |
| 10.130.1205 | Portland Slag Cement (Bagged)<br>(TS EN 197-1 CEM II/A-S 42.5 R) | Tons | Factory | 960,00 |
| 10.130.1206 | Portland Slag Cement (Bulk)<br>(TS EN 197-1 CEM II/A-S 42.5 R) | Tons | Factory | 935,00 |
| 10.130.1207 | Portland Pozzolanic Cement (Bagged)<br>(TS EN 197-1 CEM II/A-P 42.5 R) | Tons | Factory | 970,00 |
| 10.130.1208 | Portland Pozzolanic Cement (Bulk)<br>(TS EN 197-1 CEM II/A-P 42.5 R) | Tons | Factory | 945,00 |
| 10.130.1209 | Portland Calcareous Cement (Bagged)<br>(TS EN 197-1 CEM II/A-L 42.5 R) | Tons | Factory | 880,00 |
| 10.130.1210 | Portland Calcareous Cement (Bulk)<br>(TS EN 197-1 CEM II/A-L 42.5 R) | Tons | Factory | 860,00 |
| 10.130.1211 | Portland Calcareous Cement (Bagged)<br>(TS EN 197-1 CEM II/A-LL 42.5R) | Tons | Factory | 980,00 |
| 10.130.1212 | Portland Calcareous Cement (Bulk)<br>(TS EN 197-1 CEM II/A-LL 42.5R) | Tons | Factory | 960,00 |
| 10.130.1213 | Portland Calcareous Cement (Bagged)<br>TS EN 197-1 CEM II/B-LL 32.5 N | Tons | Factory | 840,00 |
| 10.130.1214 | Portland Calcareous Cement (Bulk)<br>TS EN 197-1 CEM II/B-LL 32.5 N | Tons | Factory | 815,00 |
| 10.130.1215 | Portland Calcareous Cement (Bagged)<br>(TS EN 197-1 CEM II/B-LL 32.5 R) | Tons | Factory | 915,00 |
| 10.130.1216 | Portland Calcareous Cement (Bulk)<br>(TS EN 197-1 CEM II/B-LL 32.5 R) | Tons | Factory | 890,00 |
| 10.130.1217 | Portland Composite Cement (Bagged)<br>(TS EN 197-1 CEM II/A-M 42.5 N) | Tons | Factory | 945,00 |
| 10.130.1218 | Portland Composite Cement (Bulk)<br>(TS EN 197-1 CEM II/A-M 42.5 N) | Tons | Factory | 925,00 |
| 10.130.1219 | Portland Composite Cement (Bagged)<br>(TS EN 197-1 CEM II/A-M 42.5 R) | Tons | Factory | 970,00 |
| 10.130.1220 | Portland Composite Cement (Bulk)<br>(TS EN 197-1 CEM II/A-M 42.5 R) | Tons | Factory | 945,00 |
| 10.130.1221 | Portland Composite Cement (Bagged)<br>(TS EN 197-1 CEM II/B-M 32.5 N) | Tons | Factory | 915,00 |
| 10.130.1222 | Portland Composite Cement (Bulk)<br>(TS EN 197-1 CEM II/B-M 32.5 N) | Tons | Factory | 890,00 |
| 10.130.1223 | Portland Composite Cement (Bagged)<br>(TS EN 197-1 CEM II/B-M 32.5 R) | Tons | Factory | 890,00 |
| 10.130.1224 | Portland Composite Cement (Bulk)<br>(TS EN 197-1 CEM II/B-M 32.5 R) | Tons | Factory | 870,00 |
| 10.130.1225 | Portland Composite Cement (Bagged)<br>(TS EN 197-1 CEM II/B-M 42.5 R) | Tons | Factory | 945,00 |
| 10.130.1226 | Portland Composite Cement (Bulk)<br>(TS EN 197-1 CEM II/B-M 42.5 R) | Tons | Factory | 925,00 |
| 10.130.1227 | Portland Slag Cement (Bagged)<br>(TS EN 197-1 CEM III/A 32.5 N) | Tons | Factory | 935,00 |
| 10.130.1228 | Portland Slag Cement (Bulk)<br>(TS EN 197-1 CEM III/A 32.5 N) | Tons | Factory | 915,00 |
| 10.130.1229 | Pozzolanic Cement (Bagged)<br>(TS EN 197-1 CEM IV/B 32.5 R) | Tons | Factory | 890,00 |
| 10.130.1230 | Pozzolanic Cement (Bulk)<br>(TS EN 197-1 CEM IV/B 32.5 R) | Tons | Factory | 870,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.1231 | Pozzolanic Cement (Bagged)<br>(TS EN 197-1 CEM IV/B 32.5 N) | Tons | Factory | 890,00 |
| 10.130.1232 | Pozzolanic Cement (Bulk)<br>(TS EN 197-1 CEM IV/B 32.5 N) | Tons | Factory | 870,00 |
| 10.130.1233 | White Portland Cement (Bagged)<br>(TS EN 197-1 CEM-I 52.5 R) | Tons | Factory | 1.750,00 |
| 10.130.1234 | White Portland Cement (Bulk)<br>(TS EN 197-1 CEM-I 52.5 R) | Tons | Factory | 1.750,00 |
| 10.130.1235 | White Portland Calcareous Cement (Bagged)<br>(TS EN 197-1 CEM II /B-LL 42.5 R) | Tons | Factory | 1.750,00 |
| 10.130.1236 | White Portland Calcareous Cement (Bulk)<br>(TS EN 197-1 CEM II /B-LL 42.5 R) | Tons | Factory | 1.700,00 |
| 10.130.1237 | Sulfate-Resisting Pozzolanic Cement (Bagged)<br>(TS EN 197-1 CEM IV/B 32.5 R-SR) | Tons | Factory | 980,00 |
| 10.130.1238 | Sulfate-Resisting Pozzolanic Cement (Bulk)<br>(TS EN 197-1 CEM IV/B 32.5 R-SR) | Tons | Factory | 945,00 |
| 10.130.1239 | Sulfate-Resisting Portland Cement (Bagged)<br>(TS EN 197-1 CEM I 42.5 R-SR) | Tons | Factory | 1.080,00 |
| 10.130.1240 | Sulfate-Resisting Portland Cement (Bulk)<br>(TS EN 197-1 CEM I 42.5 R-SR) | Tons | Factory | 1.060,00 |
| 10.130.1241 | Sulfate-Resisting Portland Cement (Bagged)<br>(TS EN 197-1 CEM I 42.5 R SR5) | Tons | Factory | 1.080,00 |
| 10.130.1242 | Sulfate-Resisting Portland Cement (Bulk)<br>(TS EN 197-1 CEM I 42.5 R SR5) | Tons | Factory | 1.050,00 |
| 10.130.1243 | Boron active belite cement (KPÇ 42.5) (Bagged)<br>(TS 13353) | Tons | Factory | 1.170,00 |
| 10.130.1244 | Boron active belite cement (KPÇ 42.5) (Bulk)<br>(TS 13353) | Tons | Factory | 1.150,00 |
| | **READY-MIX CONCRETE GROUTS (TS EN 206)** | | | |
| | **REGULAR GRAY READY-MIX CONCRETE GROUTS** | | | |
| 10.130.1501 | C 8/10 concrete grout | m³ | On the job | 670,00 |
| 10.130.1502 | C 12/15 concrete grout | m³ | On the job | 715,00 |
| 10.130.1503 | C 16/20 concrete grout | m³ | On the job | 750,00 |
| 10.130.1504 | C 20/25 concrete grout | m³ | On the job | 765,00 |
| 10.130.1505 | C 25/30 concrete grout | m³ | On the job | 790,00 |
| 10.130.1506 | C 30/37 concrete grout | m³ | On the job | 820,00 |
| 10.130.1507 | C 35/45 concrete grout | m³ | On the job | 875,00 |
| 10.130.1508 | C 40/50 concrete grout | m³ | On the job | 925,00 |
| 10.130.1509 | C 45/55 concrete grout | m³ | On the job | 940,00 |
| 10.130.1510 | C 50/60 concrete grout | m³ | On the job | 970,00 |
| | Note: The definition of regular gray ready-mix concrete grouts in this list covers regular gray ready-mix concrete grouts derived from any Portland and Pozzolanic Cement except Refractory Cement, White Cement, Sulphate-Resisting Cement, Boron Active Belite Cement. Excluding pump cost. | | | |
| | **REGULAR WHITE READY-MIX CONCRETE GROUTS** | | | |
| 10.130.1521 | C 8/10 white concrete grout | m³ | On the job | 780,00 |
| 10.130.1522 | C 12/15 white concrete grout | m³ | On the job | 805,00 |
| 10.130.1523 | C 16/20 white concrete grout | m³ | On the job | 860,00 |
| 10.130.1524 | C 20/25 white concrete grout | m³ | On the job | 900,00 |
| 10.130.1525 | C 25/30 white concrete grout | m³ | On the job | 935,00 |
| 10.130.1526 | C 30/37 white concrete grout | m³ | On the job | 1.030,00 |
| 10.130.1527 | C 35/40 white concrete grout | m³ | On the job | 1.090,00 |
| 10.130.1528 | C 40/50 white concrete grout | m³ | On the job | 1.180,00 |
| 10.130.1529 | C 45/55 white concrete grout | m³ | On the job | 1.250,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.1530 | C 50/60 white concrete grout | m³ | On the job | 1.320,00 |
| | Note: Regular white concrete grouts in this list cover regular white concrete grouts derived from White Concrete with minimum 85% whiteness in terms of its Y value under the CIE system as per TS EN 197-1 and TS 21. Excluding pump cost. | | | |
| | **GRAY, READY-MIX, LIGHT CONCRETE GROUTS** | | | |
| 10.130.1541 | LC 8/9 light concrete grout | m³ | On the job | 690,00 |
| 10.130.1542 | C 12/13 light concrete grout | m³ | On the job | 725,00 |
| 10.130.1543 | C 16/18 light concrete grout | m³ | On the job | 770,00 |
| 10.130.1544 | C 20/22 light concrete grout | m³ | On the job | 820,00 |
| | Note: The definition of light, gray ready-mix concrete grouts in this list covers lightweight, gray, ready-mix concrete grouts derived from any Portland and Pozzolanic Cement except Refractory Cement, White Cement, Sulphate-Resisting Cement, Boron Active Belite Cement. Excluding pump cost. | | | |
| | **PERMEABLE GRAY CONCRETE GROUTS (Permeability Ratio: 15 to 35%)** | | | |
| 10.130.1561 | Permeable concrete grout | m³ | On the job | 715,00 |
| | Note: The definition of permeable, gray ready-mix concrete grouts in this list covers permeable, gray, ready-mix concrete grouts derived from any Portland and Pozzolanic Cement except Refractory Cement, White Cement, Sulphate-Resisting Cement, Boron Active Belite Cement. | | | |
| | **READY-MIX CONCRETE GROUT FOR ROLLER-COMPACTED CONCRETE ROADS** | | | |
| 10.130.1571 | Concrete grout for roller-compacted concrete roads (for the desired pressure resistance above C30/37) | m³ | On the job | 835,00 |
| | **CONCRETE REINFORCING BARS (TS 708)** | | | |
| 10.130.1701 | Concrete reinforcing bar, plain, Ø6 mm (S220) (İskenderun) | Kg | Factory | 12,30 |
| 10.130.1702 | Concrete reinforcing bar, plain, Ø8 - Ø10 - Ø12 mm (S220) | Kg | Factory | 12,20 |
| 10.130.1703 | Concrete reinforcing bar, plain, Ø14 to Ø50 mm (S220) | Kg | Factory | 12,20 |
| 10.130.1704 | Concrete steel bar, ribbed Ø8-12 mm (S420, B420B-C, B500B-C) | Kg | Factory | 13,00 |
| 10.130.1705 | Concrete steel bar, ribbed Ø14-32 mm (S420, B420B-C, B500B-C) | Kg | Factory | 13,00 |
| 10.130.1706 | Ø80-100 mm steel (DIN c 35) | Kg | On the job | 25,50 |
| 10.130.1707 | Flats (TS EN 10058) | Kg | Factory | 13,80 |
| 10.130.1708 | Hot-rolled profile irons (S235 JR) (I-U-T-Omega) (TS 910, TS 911 EN 10055, TS 912) | Kg | Factory | 13,80 |
| 10.130.1709 | Hot-rolled brackets (S235 JR) (TS EN 10056-1,2) | Kg | Factory | 14,00 |
| 10.130.1710 | Steel sheet pile profile | Tons | On the job | 18.200,00 |
| 10.130.1711 | Steel pig | Kg | Factory | 9,70 |
| | **STEEL MESH** | | | |
| 10.130.1751 | Steel mesh (Ribbed) (TS 4559) (weight/m² 3.01-10.00 kg) | Kg | Warehouse | 13,40 |
| 10.130.1752 | Steel mesh (Ribbed) (TS 4559) (weight/m² 1.50-3.00 kg) | Kg | Warehouse | 13,70 |
| 10.130.1753 | Steel mesh (Ribbed) (Flume mesh) (TS 4559) | Kg | Warehouse | 13,70 |
| 10.130.1754 | Factory-made B.A. beam iron (Thin-cell beam or a similar item) | Kg | Warehouse | 14,30 |
| | **RIBBED CONCRETE REINFORCEMENT BARS MADE OF GLASS FIBER-REINFORCED POLYMER (TS 13816) (Cut and bent in any size as per the relevant project, and ready to be in its designated location)** | | | |
| 10.130.1771 | Ø4 mm | Tons | On the job | 35.400,00 |
| 10.130.1772 | Ø6 mm | Tons | On the job | 34.000,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.1773 | Ø8 - 26 mm | Tons | On the job | 32.300,00 |
| | **BRICKS** | | | |
| | **Horizontally perforated LD unit bricks (TS EN 771-1+A1) (length x width x height)** | | | |
| 10.130.2001 | 190 x 85 x 190-mm horizontally perforated brick | Qty | Factory | 1,15 |
| 10.130.2002 | 190 x 135 x 190-mm horizontally perforated brick | Qty | Factory | 1,40 |
| 10.130.2003 | 250 x 100 x 200-mm horizontally perforated brick | Qty | Factory | 1,60 |
| 10.130.2004 | 200 x 100 x 200-mm horizontally perforated brick | Qty | Factory | 1,35 |
| 10.130.2005 | 250 x 120 x 200-mm horizontally perforated brick | Qty | Factory | 1,85 |
| 10.130.2006 | 250 x 120 x 250-mm horizontally perforated brick | Qty | Factory | 2,50 |
| 10.130.2007 | 235 x 240 x 185-mm horizontally perforated brick | Qty | Factory | 3,40 |
| 10.130.2008 | 290 x 240 x 185-mm horizontally perforated brick | Qty | Factory | 4,10 |
| 10.130.2009 | 250 x 250 x 135-mm horizontally perforated brick | Qty | Factory | 2,60 |
| 10.130.2010 | 250 x 250 x 200-mm horizontally perforated brick | Qty | Factory | 4,10 |
| 10.130.2011 | 350 x 250 x 200-mm horizontally perforated brick | Qty | Factory | 5,50 |
| 10.130.2012 | 235 x 135 x 240-mm horizontally perforated brick | Qty | Factory | 2,50 |
| 10.130.2013 | 240 x 135 x 250-mm horizontally perforated brick | Qty | Factory | 2,60 |
| 10.130.2014 | 240 x 190 x 250-mm horizontally perforated brick | Qty | Factory | 3,60 |
| 10.130.2015 | 240 x 135 x 190-mm horizontally perforated brick | Qty | Factory | 1,85 |
| 10.130.2016 | 235 x 240 x 190-mm horizontally perforated brick | Qty | Factory | 3,40 |
| 10.130.2017 | 190 x 190 x 135-mm horizontally perforated, interlocking brick | Qty | Factory | 1,40 |
| 10.130.2018 | 240 x 250 x 135-mm horizontally perforated, interlocking brick | Qty | Factory | 2,60 |
| 10.130.2019 | 235 x 250 x 135-mm horizontally perforated brick | Qty | Factory | 2,10 |
| 10.130.2020 | 235 x 250 x 185-mm horizontally perforated brick | Qty | Factory | 2,75 |
| 10.130.2021 | 235 x 100 x 235 mm vertically perforated brick | Qty | Factory | 1,70 |
| 10.130.2022 | 250 x 100 x 250 mm vertically perforated brick | Qty | Factory | 2,00 |
| 10.130.2023 | 250 x 150 x 250 mm vertically perforated brick | Qty | Factory | 3,20 |
| 10.130.2024 | 250 x 200 x 250 mm vertically perforated brick | Qty | Factory | 4,10 |
| | **Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class W - Gross Dry Bulk Density 600 kg/m³) (length x width x height)** | | | |
| 10.130.2031 | 240 x 115 x 235 mm vertically perforated brick | Qty | Factory | 3,40 |
| 10.130.2032 | 240 x 145 x 235 mm vertically perforated brick | Qty | Factory | 4,10 |
| 10.130.2033 | 240 x 175 x 235 mm vertically perforated brick | Qty | Factory | 4,90 |
| 10.130.2034 | 290 x 190 x 235 mm vertically perforated brick | Qty | Factory | 6,50 |
| 10.130.2035 | 240 x 240 x 235 mm vertically perforated brick | Qty | Factory | 6,90 |
| 10.130.2036 | 240 x 250 x 235 mm vertically perforated brick | Qty | Factory | 7,20 |
| 10.130.2037 | 240 x 300 x 235 mm vertically perforated brick | Qty | Factory | 8,60 |
| 10.130.2038 | 250 x 200 x 235 mm vertically perforated brick | Qty | Factory | 4,90 |
| 10.130.2039 | 250 x 150 x 235 mm vertically perforated brick | Qty | Factory | 4,60 |
| 10.130.2040 | 250 x 200 x 190 mm vertically perforated brick | Qty | Factory | 4,80 |
| 10.130.2041 | 250 x 250 x 190 mm vertically perforated brick | Qty | Factory | 5,20 |
| 10.130.2042 | 250 x 250 x 235 mm vertically perforated brick | Qty | Factory | 7,50 |
| 10.130.2043 | 250 x 280 x 190 mm vertically perforated brick | Qty | Factory | 6,80 |
| 10.130.2044 | 250 x 300 x 190 mm vertically perforated brick | Qty | Factory | 7,30 |
| 10.130.2045 | 290 x 190 x 190 mm vertically perforated brick | Qty | Factory | 5,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Vertically perforated LD unit bricks (TS EN 771-1+A1)<br>(Class AB - Gross Dry Bulk Density 650 kg/m³)<br>(length x width x height)** | | | |
| 10.130.2131 | 290 x 190 x 135 mm vertically perforated brick | Qty | Factory | 2,90 |
| 10.130.2132 | 390 x 190 x 190 mm vertically perforated brick | Qty | Factory | 5,30 |
| 10.130.2133 | 290 x 240 x 135 mm vertically perforated brick | Qty | Factory | 3,50 |
| 10.130.2134 | 390 x 190 x 135 mm vertically perforated brick | Qty | Factory | 3,70 |
| 10.130.2135 | 290 x 240 x 190 mm vertically perforated brick | Qty | Factory | 5,00 |
| 10.130.2136 | 390 x 240 x 190 mm vertically perforated brick | Qty | Factory | 6,70 |
| | **Vertically perforated facing bricks (TS EN 771-1+A1)<br>(HD unit) (length x width x height)** | | | |
| 10.130.2191 | 190 x 90 x 50-mm vertically perforated facing bricks | Qty | Factory | 2,70 |
| 10.130.2192 | 190 x 90 x 85-mm vertically perforated facing bricks | Qty | Factory | 4,40 |
| 10.130.2193 | 215 x 102 x 65-mm vertically perforated facing bricks | Qty | Factory | 5,30 |
| | **Vertically perforated bricks (TS EN 771-1+A1) (HD unit)<br>(length x width x height)** | | | |
| 10.130.2201 | 290 x 190 x 135 mm vertically perforated brick | Qty | Factory | 3,60 |
| | **Clay brick (TS EN 771-1+A1)<br>(length x width x height)** | | | |
| 10.130.2211 | 190 x 90 x 50-mm solid clay brick | Qty | Factory | 1,35 |
| 10.130.2212 | 190 x 90 x 50-mm perforated blend bricks | Qty | Factory | 1,35 |
| | **Hollow tile flooring filler bricks (TS 1261)<br>(height x length x width)** | | | |
| 10.130.2221 | 200 x 200 x 400-mm flooring filler bricks | Qty | Factory | 5,10 |
| 10.130.2222 | 225 x 200 x 400-mm hollow flooring filler bricks | Qty | Factory | 5,70 |
| 10.130.2223 | 250 x 200 x 400-mm hollow flooring filler bricks | Qty | Factory | 6,30 |
| 10.130.2224 | 275 x 200 x 400-mm hollow flooring filler bricks | Qty | Factory | 7,00 |
| 10.130.2225 | 300 x 200 x 400-mm flooring filler bricks | Qty | Factory | 7,60 |
| 10.130.2226 | 325 x 200 x 400-mm hollow flooring filler bricks | Qty | Factory | 8,20 |
| 10.130.2227 | 350 x 200 x 400-mm flooring filler bricks | Qty | Factory | 8,80 |
| | **Hollow tile flooring beam bricks<br>(height x length x width)** | | | |
| 10.130.2241 | 120 x 200 x 530-mm flooring beam filler bricks | Qty | Factory | 3,20 |
| 10.130.2242 | 160 x 200 x 530-mm hollow flooring beam bricks | Qty | Factory | 4,30 |
| 10.130.2243 | 200 x 200 x 530-mm hollow flooring beam bricks | Qty | Factory | 5,40 |
| 10.130.2244 | 250 x 200 x 530-mm hollow flooring beam bricks | Qty | Factory | 6,70 |
| 10.130.2245 | 300 x 200 x 530-mm hollow flooring beam bricks | Qty | Factory | 8,10 |
| 10.130.2246 | 120 x 200 x 330-mm hollow flooring beam bricks | Qty | Factory | 2,05 |
| 10.130.2247 | 160 x 200 x 330-mm hollow flooring beam bricks | Qty | Factory | 2,70 |
| 10.130.2248 | 200 x 200 x 330-mm hollow flooring beam bricks | Qty | Factory | 3,40 |
| 10.130.2249 | 250 x 200 x 330-mm hollow flooring beam bricks | Qty | Factory | 4,30 |
| 10.130.2250 | 300 x 200 x 330-mm hollow flooring beam bricks | Qty | Factory | 5,00 |
| | **Chimney Bricks (TS EN 771-1+A1)** | | | |
| 10.130.2261 | 190 x 190 x 190-mm round chimney brick | Qty | Factory | 3,50 |
| 10.130.2262 | 250 x 250 x 190-mm round chimney brick | Qty | Factory | 6,00 |
| 10.130.2263 | 260 x 260 x 190-mm round chimney brick | Qty | Factory | 6,60 |
| 10.130.2264 | 300 x 300 x 190-mm round chimney brick | Qty | Factory | 8,60 |
| 10.130.2265 | 240 x 240 x 190-mm square chimney brick | Qty | Factory | 5,50 |
| 10.130.2266 | 250 x 250 x 190-mm square chimney brick | Qty | Factory | 6,00 |
| 10.130.2267 | 240 x 190 x 190-mm rectangular chimney brick | Qty | Factory | 4,40 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.2268 | 300 x 190 x 190-mm rectangular chimney brick | Qty | Factory | 5,50 |
| 10.130.2269 | 390 x 190 x 190-mm shunt chimney brick | Qty | Factory | 7,20 |
| 10.130.2270 | 460 x 190 x 190-mm shunt chimney brick | Qty | Factory | 8,50 |
| 10.130.2271 | 350 x 350 x 190-mm round fireplace bricks | Qty | Factory | 11,80 |
| 10.130.2272 | 300 x 200 x 190-mm rectangular fireplace bricks | Qty | Factory | 5,70 |
| 10.130.2273 | 300 x 400 x 190-mm rectangular chimney brick | Qty | Factory | 11,60 |
| | **Facing Bricks (TS EN 1304)** | | | |
| 10.130.2281 | 15-mm-thick, any size, red (surface area: ≤ 0.04 m²) | m² | On the job | 230,00 |
| 10.130.2282 | 15-mm-thick, any size, brown (surface area: ≤ 0.04 m²) | m² | On the job | 260,00 |
| 10.130.2283 | 15-mm-thick, any size, yellow (surface area: ≤ 0.04 m²) | m² | On the job | 260,00 |
| 10.130.2284 | 15-mm thick, any size, white (surface area ≤ 0.04 m²) | m² | On the job | 320,00 |
| 10.130.2285 | 15-mm thick, any size, gray (surface area ≤ 0.04 m²) | m² | On the job | 340,00 |
| 10.130.2286 | 15-mm thick, any size, a mixture of different tones of colors (surface area ≤ 0.04 m²) | m² | On the job | 320,00 |
| 10.130.2287 | 15-mm-thick, any size, red (surface area: > 0.04 m²) | m² | On the job | 260,00 |
| 10.130.2288 | 15-mm-thick, any size, brown (surface area: > 0.04 m²) | m² | On the job | 280,00 |
| 10.130.2289 | 15-mm-thick, any size, yellow (surface area: > 0.04 m²) | m² | On the job | 290,00 |
| 10.130.2290 | 15-mm thick, any size, white (surface area > 0.04 m²) | m² | On the job | 350,00 |
| 10.130.2291 | 15-mm thick, any size, gray (surface area > 0.04 m²) | m² | On the job | 400,00 |
| 10.130.2292 | 15-mm thick, any size, a mixture of different tones of colors (surface area > 0.04 m²) | m² | On the job | 350,00 |
| | **Curtain Wall Bricks (TS EN 1304)** | | | |
| 10.130.2311 | 16 to 30-mm-thick, any size, red (surface area: ≤ 0.15 m²) | m² | On the job | 350,00 |
| 10.130.2312 | 16 to 30-mm-thick, any size, brown (surface area: ≤ 0.15 m²) | m² | On the job | 370,00 |
| 10.130.2313 | 16 to 30-mm-thick, any size, yellow (surface area: ≤ 0.15 m²) | m² | On the job | 380,00 |
| 10.130.2314 | 16 to 30-mm-thick, any size, white (surface area: ≤ 0.15 m²) | m² | On the job | 440,00 |
| 10.130.2315 | 16 to 30-mm-thick, any size, gray (surface area: ≤ 0.15 m²) | m² | On the job | 490,00 |
| 10.130.2316 | 16 to 30-mm thick, any size, a mixture of different tones of colors (surface area ≤ 0.15 m²) | m² | On the job | 440,00 |
| 10.130.2317 | 16 to 30-mm-thick, any size, red (surface area: > 0.15 m²) | m² | On the job | 400,00 |
| 10.130.2318 | 16 to 30-mm-thick, any size, brown (surface area: > 0.15 m²) | m² | On the job | 420,00 |
| 10.130.2319 | 16 to 30-mm-thick, any size, yellow (surface area: > 0.15 m²) | m² | On the job | 430,00 |
| 10.130.2320 | 16 to 30-mm-thick, any size, white (surface area: > 0.15 m²) | m² | On the job | 490,00 |
| 10.130.2321 | 16 to 30-mm-thick, any size, gray (surface area: > 0.15 m²) | m² | On the job | 530,00 |
| 10.130.2322 | 16 to 30-mm thick, any size, a mixture of different tones of colors (surface area > 0.15 m²) | m² | On the job | 440,00 |
| | **Floor Bricks (TS EN 1344)<br>(Breaking load class T4, Abrasion resistance class A3, Slip/skid resistance class U3)** | | | |
| 10.130.2341 | 210 x 105 x 40-mm floor bricks (red) | Qty | Factory | 4,30 |
| 10.130.2342 | 210 x 105 x 50-mm floor bricks (red) | Qty | Factory | 5,00 |
| 10.130.2343 | 210 x 105 x 65-mm floor bricks (red) | Qty | Factory | 5,90 |
| 10.130.2344 | 210 x 105 x 40-mm floor bricks (brown) | Qty | Factory | 4,50 |
| 10.130.2345 | 210 x 105 x 50-mm floor bricks (brown) | Qty | Factory | 5,40 |
| 10.130.2346 | 210 x 105 x 65-mm floor bricks (brown) | Qty | Factory | 6,30 |
| 10.130.2347 | 210 x 105 x 40-mm floor bricks (yellow) | Qty | Factory | 7,00 |
| 10.130.2348 | 210 x 105 x 50-mm floor bricks (yellow) | Qty | Factory | 8,10 |
| 10.130.2349 | 210 x 105 x 65-mm floor bricks (yellow) | Qty | Factory | 9,30 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **EPS-insulated (EPS min. density 16 kg/m³)<br>Sandwich Bricks (TS EN 771-1 + A1) (UTO)<br>(Prices of other thicknesses shall be interpolated.)** | | | |
| 10.130.2401 | 15-cm thick | m² | On the job | 110,00 |
| 10.130.2402 | 20-cm thick | m² | On the job | 140,00 |
| 10.130.2403 | 25-cm thickness | m² | On the job | 180,00 |
| | **Glass Wool-insulated Sandwich Bricks<br>(TS EN 771-1 + A1) (UTO)<br>(Prices of other thicknesses shall be interpolated.)** | | | |
| 10.130.2421 | 10-cm thick | m² | On the job | 225,00 |
| 10.130.2422 | 20-cm thick | m² | On the job | 265,00 |
| 10.130.2423 | 25-cm thickness | m² | On the job | 340,00 |
| | **Reinforced Brick Lintels (In any height)** | | | |
| 10.130.2441 | 8.5 to 10 cm of thickness | m | On the job | 185,00 |
| 10.130.2442 | 12 to 13.5 cm of thickness | m | On the job | 205,00 |
| 10.130.2443 | 14.5 to 16 cm of thickness | m | On the job | 215,00 |
| 10.130.2444 | 18.5 to 20 cm of thickness | m | On the job | 235,00 |
| 10.130.2445 | 23.5 to 25 cm of thickness | m | On the job | 260,00 |
| | **Reinforced Brick Lintels with Insulation Layer (In any height)** | | | |
| 10.130.2454 | 18.5 to 20 cm of thickness | m | On the job | 260,00 |
| 10.130.2499 | Ready-Made Masonry Mortar (TS EN 998-2) | Kg | On the job | 0,70 |
| | **AAC BUILDING MATERIALS AND BUILDING ELEMENTS** | | | |
| | **Unreinforced AAC wall blocks<br>(2.50 N/mm² and 400 kg/m³) (TS EN 771-4+A1)** | | | |
| 10.130.2501 | Unreinforced AAC wall blocks | m³ | Factory | 640,00 |
| 10.130.2502 | 7.5-cm-thick, unreinforced AAC wall block | m² | Factory | 48,00 |
| 10.130.2503 | 8.5-cm-thick, unreinforced AAC wall block | m² | Factory | 54,40 |
| 10.130.2504 | 9-cm-thick, unreinforced AAC wall block | m² | Factory | 57,60 |
| 10.130.2505 | 10-cm-thick, unreinforced AAC wall block | m² | Factory | 64,00 |
| 10.130.2506 | 12.5-cm-thick, unreinforced AAC wall block | m² | Factory | 80,00 |
| 10.130.2507 | 13.5-cm-thick, unreinforced AAC wall block | m² | Factory | 86,40 |
| 10.130.2508 | 15-cm-thick, unreinforced AAC wall block | m² | Factory | 96,00 |
| 10.130.2509 | 17.5-cm-thick, unreinforced AAC wall block | m² | Factory | 112,00 |
| 10.130.2510 | 19-cm-thick, unreinforced AAC wall block | m² | Factory | 121,60 |
| 10.130.2511 | 20-cm-thick, unreinforced AAC wall block | m² | Factory | 128,00 |
| 10.130.2512 | 22.5-cm-thick, unreinforced AAC wall block | m² | Factory | 144,00 |
| 10.130.2513 | 25-cm-thick, unreinforced AAC wall block | m² | Factory | 160,00 |
| 10.130.2514 | 27.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 176,00 |
| 10.130.2515 | 30-cm-thick, unreinforced AAC wall block | m² | Factory | 192,00 |
| 10.130.2516 | 32.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 208,00 |
| 10.130.2517 | 35-cm-thick, unreinforced AAC wall block | m² | Factory | 224,00 |
| | **Unreinforced AAC wall blocks<br>(3.50 N/mm² and 500 kg/m³) (TS EN 771-4+A1)** | | | |
| 10.130.2531 | Unreinforced AAC wall blocks | m³ | Factory | 680,00 |
| 10.130.2532 | 7.5-cm-thick, unreinforced AAC wall block | m² | Factory | 51,00 |
| 10.130.2533 | 8.5-cm-thick, unreinforced AAC wall block | m² | Factory | 57,80 |
| 10.130.2534 | 9-cm-thick, unreinforced AAC wall block | m² | Factory | 61,20 |
| 10.130.2535 | 10-cm-thick, unreinforced AAC wall block | m² | Factory | 68,00 |
| 10.130.2536 | 12.5-cm-thick, unreinforced AAC wall block | m² | Factory | 85,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.2537 | 13.5-cm-thick, unreinforced AAC wall block | m² | Factory | 91,80 |
| 10.130.2538 | 15-cm-thick, unreinforced AAC wall block | m² | Factory | 102,00 |
| 10.130.2539 | 17.5-cm-thick, unreinforced AAC wall block | m² | Factory | 119,00 |
| 10.130.2540 | 19-cm-thick, unreinforced AAC wall block | m² | Factory | 129,20 |
| 10.130.2541 | 20-cm-thick, unreinforced AAC wall block | m² | Factory | 136,00 |
| 10.130.2542 | 22.5-cm-thick, unreinforced AAC wall block | m² | Factory | 153,00 |
| 10.130.2543 | 25-cm-thick, unreinforced AAC wall block | m² | Factory | 170,00 |
| 10.130.2544 | 27.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 187,00 |
| 10.130.2545 | 30-cm-thick, unreinforced AAC wall block | m² | Factory | 204,00 |
| 10.130.2546 | 32.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 221,00 |
| 10.130.2547 | 35-cm-thick, unreinforced AAC wall block | m² | Factory | 238,00 |
| | **Unreinforced AAC wall blocks (5.00 N/mm² and 600 kg/m³) (TS EN 771-4+A1)** | | | |
| 10.130.2561 | Unreinforced AAC wall blocks | m³ | Factory | 720,00 |
| 10.130.2562 | 7.5-cm-thick, unreinforced AAC wall block | m² | Factory | 54,00 |
| 10.130.2563 | 8.5-cm-thick, unreinforced AAC wall block | m² | Factory | 61,20 |
| 10.130.2564 | 9-cm-thick, unreinforced AAC wall block | m² | Factory | 64,80 |
| 10.130.2565 | 10-cm-thick, unreinforced AAC wall block | m² | Factory | 72,00 |
| 10.130.2566 | 12.5-cm-thick, unreinforced AAC wall block | m² | Factory | 90,00 |
| 10.130.2567 | 13.5-cm-thick, unreinforced AAC wall block | m² | Factory | 97,20 |
| 10.130.2568 | 15-cm-thick, unreinforced AAC wall block | m² | Factory | 108,00 |
| 10.130.2569 | 17.5-cm-thick, unreinforced AAC wall block | m² | Factory | 126,00 |
| 10.130.2570 | 19-cm-thick, unreinforced AAC wall block | m² | Factory | 136,80 |
| 10.130.2571 | 20-cm-thick, unreinforced AAC wall block | m² | Factory | 144,00 |
| 10.130.2572 | 22.5-cm-thick, unreinforced AAC wall block | m² | Factory | 162,00 |
| 10.130.2573 | 25-cm-thick, unreinforced AAC wall block | m² | Factory | 180,00 |
| 10.130.2574 | 27.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 198,00 |
| 10.130.2575 | 30-cm-thick, unreinforced AAC wall block | m² | Factory | 216,00 |
| 10.130.2576 | 32.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 234,00 |
| 10.130.2577 | 35-cm-thick, unreinforced AAC wall block | m² | Factory | 252,00 |
| | **Unreinforced AAC wall blocks (≥ 2.00 N/mm² and 350 kg/m³) (TS EN 771-4+A1)** | | | |
| 10.130.2591 | Unreinforced AAC wall blocks | m³ | Factory | 650,00 |
| 10.130.2592 | 7.5-cm-thick, unreinforced AAC wall block | m² | Factory | 48,75 |
| 10.130.2593 | 8.5-cm-thick, unreinforced AAC wall block | m² | Factory | 55,25 |
| 10.130.2594 | 9-cm-thick, unreinforced AAC wall block | m² | Factory | 58,50 |
| 10.130.2595 | 10-cm-thick, unreinforced AAC wall block | m² | Factory | 65,00 |
| 10.130.2596 | 12.5-cm-thick, unreinforced AAC wall block | m² | Factory | 81,25 |
| 10.130.2597 | 13.5-cm-thick, unreinforced AAC wall block | m² | Factory | 87,75 |
| 10.130.2598 | 15-cm-thick, unreinforced AAC wall block | m² | Factory | 97,50 |
| 10.130.2599 | 17.5-cm-thick, unreinforced AAC wall block | m² | Factory | 113,75 |
| 10.130.2600 | 19-cm-thick, unreinforced AAC wall block | m² | Factory | 123,50 |
| 10.130.2601 | 20-cm-thick, unreinforced AAC wall block | m² | Factory | 130,00 |
| 10.130.2602 | 22.5-cm-thick, unreinforced AAC wall block | m² | Factory | 146,25 |
| 10.130.2603 | 25-cm-thick, unreinforced AAC wall block | m² | Factory | 162,50 |
| 10.130.2604 | 27.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 178,75 |
| 10.130.2605 | 30-cm-thick, unreinforced AAC wall block | m² | Factory | 195,00 |
| 10.130.2606 | 32.5-cm-thickness, unreinforced AAC wall block | m² | Factory | 211,25 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.2607 | 35-cm-thick, unreinforced AAC wall block | m² | Factory | 227,50 |
| | **AAC hollow blocks (2.50 N/mm² and 400 kg/m³) (TS EN 771-4+A1)** | | | |
| 10.130.2621 | AAC hollow blocks | m³ | Factory | 650,00 |
| 10.130.2622 | 15-cm-high AAC hollow block | m² | Factory | 97,50 |
| 10.130.2623 | 17.5-cm-high AAC hollow block | m² | Factory | 113,75 |
| 10.130.2624 | 20-cm-high AAC hollow block | m² | Factory | 130,00 |
| 10.130.2625 | 22.5-cm-high AAC hollow block | m² | Factory | 146,25 |
| 10.130.2626 | 25-cm-high AAC hollow block | m² | Factory | 162,50 |
| 10.130.2627 | 27.5-cm-high AAC hollow block | m² | Factory | 178,75 |
| 10.130.2628 | 30-cm-high AAC hollow block | m² | Factory | 195,00 |
| | **Reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) (TS EN 845-2+A1)** | | | |
| 10.130.2641 | Reinforced AAC lintel | m³ | Factory | 1.800,00 |
| 10.130.2642 | 7.5-cm-thick, reinforced AAC lintel | m² | Factory | 135,00 |
| 10.130.2643 | 8.5-cm-thick, reinforced AAC lintel | m² | Factory | 153,00 |
| 10.130.2644 | 9-cm-thick, reinforced AAC lintel | m² | Factory | 162,00 |
| 10.130.2645 | 10-cm-thick, reinforced AAC lintel | m² | Factory | 180,00 |
| 10.130.2646 | 12.5-cm-thick, reinforced pumice concrete lintel | m² | Factory | 225,00 |
| 10.130.2647 | 13.5-cm-thick, reinforced AAC lintel | m² | Factory | 243,00 |
| 10.130.2648 | 15-cm-thick, reinforced AAC lintel | m² | Factory | 270,00 |
| 10.130.2649 | 17.5-cm-thick, reinforced AAC lintel | m² | Factory | 315,00 |
| 10.130.2650 | 19-cm-thick, reinforced AAC lintel | m² | Factory | 342,00 |
| 10.130.2651 | 20-cm-thick, reinforced AAC lintel | m² | Factory | 360,00 |
| 10.130.2652 | 22.5-cm-thick, reinforced pumice concrete lintel | m² | Factory | 405,00 |
| 10.130.2653 | 25-cm-thick, reinforced AAC lintel | m² | Factory | 450,00 |
| 10.130.2654 | 27.5-cm-thickness, reinforced AAC lintel | m² | Factory | 495,00 |
| 10.130.2655 | 30-cm-thick, reinforced AAC lintel | m² | Factory | 540,00 |
| 10.130.2656 | 32.5-cm-thickness, reinforced AAC lintel | m² | Factory | 585,00 |
| 10.130.2657 | 35-cm-thick, reinforced AAC lintel | m² | Factory | 630,00 |
| | **Reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) (TS EN 845-2+A1)** | | | |
| 10.130.2671 | Reinforced AAC lintel | m³ | Factory | 1.900,00 |
| 10.130.2672 | 7.5-cm-thick, reinforced AAC lintel | m² | Factory | 142,50 |
| 10.130.2673 | 8.5-cm-thick, reinforced AAC lintel | m² | Factory | 161,50 |
| 10.130.2674 | 9-cm-thick, reinforced AAC lintel | m² | Factory | 171,00 |
| 10.130.2675 | 10-cm-thick, reinforced AAC lintel | m² | Factory | 190,00 |
| 10.130.2676 | 12.5-cm-thick, reinforced pumice concrete lintel | m² | Factory | 237,50 |
| 10.130.2677 | 13.5-cm-thick, reinforced AAC lintel | m² | Factory | 256,50 |
| 10.130.2678 | 15-cm-thick, reinforced AAC lintel | m² | Factory | 285,00 |
| 10.130.2679 | 17.5-cm-thick, reinforced AAC lintel | m² | Factory | 332,50 |
| 10.130.2680 | 19-cm-thick, reinforced AAC lintel | m² | Factory | 361,00 |
| 10.130.2681 | 20-cm-thick, reinforced AAC lintel | m² | Factory | 380,00 |
| 10.130.2682 | 22.5-cm-thick, reinforced pumice concrete lintel | m² | Factory | 427,50 |
| 10.130.2683 | 25-cm-thick, reinforced AAC lintel | m² | Factory | 475,00 |
| 10.130.2684 | 27.5-cm-thickness, reinforced AAC lintel | m² | Factory | 522,50 |
| 10.130.2685 | 30-cm-thick, reinforced AAC lintel | m² | Factory | 570,00 |
| 10.130.2686 | 32.5-cm-thickness, reinforced AAC lintel | m² | Factory | 617,50 |
| 10.130.2687 | 35-cm-thick, reinforced AAC lintel | m² | Factory | 665,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Reinforced AAC flooring component (5.00 N/mm² and 600 kg/m³) (TS EN 12602)** | | | |
| 10.130.2701 | Reinforced AAC flooring component | m³ | Factory | 1.800,00 |
| 10.130.2702 | 10-cm-thick reinforced AAC flooring | m² | Factory | 180,00 |
| 10.130.2703 | 12.5-cm-thick reinforced AAC flooring | m² | Factory | 225,00 |
| 10.130.2704 | 15-cm-thick reinforced AAC flooring | m² | Factory | 270,00 |
| 10.130.2705 | 17.5-cm-thick reinforced AAC flooring | m² | Factory | 315,00 |
| 10.130.2706 | 20-cm-thick reinforced AAC flooring | m² | Factory | 360,00 |
| 10.130.2707 | 22.5-cm-thick reinforced AAC flooring | m² | Factory | 405,00 |
| 10.130.2708 | 25-cm-thick reinforced AAC flooring | m² | Factory | 450,00 |
| 10.130.2709 | 27.5-cm-thick reinforced AAC flooring | m² | Factory | 495,00 |
| | **Reinforced AAC roofing component (3.50 N/mm² and 500 kg/m³) (TS EN 12602)** | | | |
| 10.130.2721 | Reinforced AAC roofing component | m³ | Factory | 1.580,00 |
| 10.130.2722 | 10-cm-thick, reinforced AAC roofing | m² | Factory | 158,00 |
| 10.130.2723 | 12.5-cm-thick reinforced AAC roofing | m² | Factory | 197,50 |
| 10.130.2724 | 15-cm-thick, reinforced AAC roofing | m² | Factory | 237,00 |
| 10.130.2725 | 17.5-cm-thick, reinforced AAC roofing | m² | Factory | 276,50 |
| 10.130.2726 | 20-cm-thick, reinforced AAC roofing | m² | Factory | 316,00 |
| | **Reinforced AAC roofing component (5.00 N/mm² and 600 kg/m³) (TS EN 12602)** | | | |
| 10.130.2731 | Reinforced AAC roofing component | m³ | Factory | 1.800,00 |
| 10.130.2732 | 10-cm-thick, reinforced AAC roofing | m² | Factory | 180,00 |
| 10.130.2733 | 12.5-cm-thick reinforced AAC roofing | m² | Factory | 225,00 |
| 10.130.2734 | 15-cm-thick, reinforced AAC roofing | m² | Factory | 270,00 |
| 10.130.2735 | 17.5-cm-thick, reinforced AAC roofing | m² | Factory | 315,00 |
| 10.130.2736 | 20-cm-thick, reinforced AAC roofing | m² | Factory | 360,00 |
| | **Reinforced AAC wall component (3.50 N/mm² and 500 kg/m³) (TS EN 12602)** | | | |
| 10.130.2741 | Reinforced AAC wall component | m³ | Factory | 1.600,00 |
| 10.130.2742 | 10-cm-thick, reinforced AAC wall component | m² | Factory | 160,00 |
| 10.130.2743 | 12.5-cm-thick, reinforced AAC wall component | m² | Factory | 200,00 |
| 10.130.2744 | 15-cm-thick, reinforced AAC wall component | m² | Factory | 240,00 |
| 10.130.2745 | 17.5-cm-thick, reinforced AAC wall component | m² | Factory | 280,00 |
| 10.130.2746 | 20-cm-thick, reinforced AAC wall component | m² | Factory | 320,00 |
| 10.130.2747 | 22.5-cm-thick, reinforced AAC wall component | m² | Factory | 360,00 |
| 10.130.2748 | 25-cm-thick, reinforced AAC wall component | m² | Factory | 400,00 |
| 10.130.2749 | 27.5-cm-thick, reinforced AAC wall component | m² | Factory | 440,00 |
| 10.130.2750 | 30-cm-thick, reinforced AAC wall component | m² | Factory | 480,00 |
| | **Reinforced AAC wall component (5.00 N/mm² and 600 kg/m³) (TS EN 12602)** | | | |
| 10.130.2761 | Reinforced AAC wall component | m³ | Factory | 1.900,00 |
| 10.130.2762 | 10-cm-thick, reinforced AAC wall component | m² | Factory | 190,00 |
| 10.130.2763 | 12.5-cm-thick, reinforced AAC wall component | m² | Factory | 237,50 |
| 10.130.2764 | 15-cm-thick, reinforced AAC wall component | m² | Factory | 285,00 |
| 10.130.2765 | 17.5-cm-thick, reinforced AAC wall component | m² | Factory | 332,50 |
| 10.130.2766 | 20-cm-thick, reinforced AAC wall component | m² | Factory | 380,00 |
| 10.130.2767 | 22.5-cm-thick, reinforced AAC wall component | m² | Factory | 427,50 |
| 10.130.2768 | 25-cm-thick, reinforced AAC wall component | m² | Factory | 475,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.2769 | 27.5-cm-thick, reinforced AAC wall component | m² | Factory | 522,50 |
| 10.130.2770 | 30-cm-thick, reinforced AAC wall component | m² | Factory | 570,00 |
| | **Unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) (TS EN 771-4+A1)** | | | |
| 10.130.2781 | Unreinforced AAC insulation panels | m³ | Factory | 650,00 |
| 10.130.2782 | 5-cm-thick, unreinforced AAC insulation slab | m² | Factory | 32,50 |
| 10.130.2783 | 7.5-cm-thick, unreinforced AAC insulation slab | m² | Factory | 48,75 |
| 10.130.2784 | 8.5-cm-thick, unreinforced AAC insulation slab | m² | Factory | 55,25 |
| 10.130.2785 | 10-cm-thick, unreinforced AAC insulation slab | m² | Factory | 65,00 |
| 10.130.2786 | 12.5-cm-thick, unreinforced AAC insulation slab | m² | Factory | 81,25 |
| 10.130.2787 | 15-cm-thick, unreinforced AAC insulation slab | m² | Factory | 97,50 |
| 10.130.2788 | 17.5-cm-thick, unreinforced AAC insulation slab | m² | Factory | 113,75 |
| 10.130.2789 | 20-cm-thick, unreinforced AAC insulation slab | m² | Factory | 130,00 |
| 10.130.2790 | AAC adhesive | Kg | On the job | 2,05 |
| | **PUMICE CONCRETE BUILDING ELEMENTS** | | | |
| | **Non-carrier pumice concrete wall blocks (TS EN 771-3+A1) min. 1.5 N/mm² and Exposed Dry Bulk Density 600-900 kg/m³ (excluding 900)** | | | |
| 10.130.2901 | 9-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 21,00 |
| 10.130.2902 | 10-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 23,90 |
| 10.130.2903 | 13.5-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 32,00 |
| 10.130.2904 | 15-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 36,00 |
| 10.130.2905 | 17.5-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 42,00 |
| 10.130.2906 | 19-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 46,00 |
| 10.130.2907 | 25-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 59,90 |
| 10.130.2908 | 30-cm-thick, non-carrier pumice concrete wall block | m² | Factory | 70,00 |
| | **Carrier pumice concrete wall blocks (TS EN 771-3+A1) min. 5 N/mm² and min. Exposed Dry Bulk Density 900 kg/m³** | | | |
| 10.130.2921 | 10-cm-thick, carrier pumice concrete wall block | m² | Factory | 27,70 |
| 10.130.2922 | 15-cm-thick, carrier pumice concrete wall block | m² | Factory | 41,40 |
| 10.130.2923 | 19-cm-thick, carrier pumice concrete wall block | m² | Factory | 50,90 |
| | **Pumice concrete hollow blocks (TS 407)** | | | |
| 10.130.2931 | 20-cm-high pumice concrete hollow block | m² | Factory | 39,00 |
| 10.130.2932 | 22-cm-high pumice concrete hollow block | m² | Factory | 43,00 |
| 10.130.2933 | 23-cm-high pumice concrete hollow block | m² | Factory | 45,00 |
| 10.130.2934 | 25-cm-high pumice concrete hollow block | m² | Factory | 49,00 |
| 10.130.2935 | 28-cm-high pumice concrete hollow block | m² | Factory | 54,00 |
| 10.130.2936 | 30-cm-high pumice concrete hollow block | m² | Factory | 59,00 |
| 10.130.2937 | 32-cm-high pumice concrete hollow block | m² | Factory | 63,00 |
| 10.130.2938 | 35-cm-high pumice concrete hollow block | m² | Factory | 68,00 |
| | **Unreinforced pumice concrete lintel (TS 407)** | | | |
| 10.130.2951 | 10-cm-thick, reinforced pumice concrete lintel | m² | Factory | 100,00 |
| 10.130.2952 | 13.5-cm-thick, reinforced pumice concrete lintel | m² | Factory | 140,00 |
| 10.130.2953 | 15-cm-thick, reinforced pumice concrete lintel | m² | Factory | 155,00 |
| 10.130.2954 | 19-cm-thick, reinforced pumice concrete lintel | m² | Factory | 200,00 |
| 10.130.2955 | Pumice concrete binding glue | Kg | On the job | 1,35 |
| | **Non-carrier, Light Aggregate Concrete Masonry Units (Gross Dry Bulk Density: 300 - 600 kg/m³) (TS EN 771-3+A1)** | | | |
| 10.130.3001 | 9-cm thick | m² | Factory | 32,90 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.3002 | 14-cm thick | m² | Factory | 51,00 |
| 10.130.3003 | 19-cm thickness | m² | Factory | 70,00 |
| 10.130.3004 | 24-cm thick | m² | Factory | 88,00 |
| 10.130.3005 | 29-cm thick | m² | Factory | 102,00 |
| | **Non-carrier, Light Aggregate Concrete Masonry Units with Four Pores Filled (Gross Dry Bulk Density: 745 kg/m³) (TS EN 771-3 + A1) + (UTO)** | | | |
| 10.130.3052 | 15-cm thickness | m² | On the job | 64,00 |
| 10.130.3054 | 19-cm thickness | m² | On the job | 70,00 |
| 10.130.3056 | 22.5-cm thickness | m² | On the job | 82,00 |
| | **LIGHTWEIGHT SANDWICH MASONRY UNITS WITH AN INSULATION LAYER (EPS density min. 16 kg/m³) (TS 13565)** | | | |
| 10.130.3101 | Wall block with a total thickness of 14 cm, EPS thickness of min. 5.5 cm, and compression strength of 2.5 N/mm². | m² | On the job | 140,00 |
| 10.130.3102 | Wall block with a total thickness of 15 cm, EPS thickness of min. 6 cm, and compression strength of 0.9 N/mm². | m² | On the job | 70,00 |
| 10.130.3103 | Wall block with a total thickness of 19 cm, EPS thickness of min. 6 cm, and compression strength of 0.9 N/mm². | m² | On the job | 75,00 |
| 10.130.3104 | Wall block with a total thickness of 19.5 cm, EPS thickness of min. 8.5 cm, and compression strength of 2.5 N/mm². | m² | On the job | 165,00 |
| 10.130.3105 | Wall block with a total thickness of 20 cm, EPS thickness of min. 6 cm, and compression strength of 1.0 N/mm². | m² | On the job | 75,00 |
| 10.130.3106 | 14-cm-thick lintel | m² | On the job | 900,00 |
| 10.130.3107 | 19.5-cm-thick lintel | m² | On the job | 1.030,00 |
| 10.130.3108 | Hollow block with a total thickness of 20 cm and EPS thickness of min. 13 cm | m² | On the job | 140,00 |
| 10.130.3109 | Hollow block with a total thickness of 22.5 cm and EPS thickness of min. 14 cm | m² | On the job | 145,00 |
| 10.130.3110 | Hollow block with a total thickness of 25 cm and EPS thickness of min. 15 cm | m² | On the job | 150,00 |
| | **LIME-SANDSTONE WALL BLOCKS (TS EN 771-2+A1)** | | | |
| 10.130.3201 | 37.5 x 11.5 x 19 cm dimensions | Qty | On the job | 1,75 |
| 10.130.3202 | 37.5 x 19 x 19 cm | Qty | On the job | 2,95 |
| 10.130.3203 | 37.5 x 24 x 19 cm | Qty | On the job | 3,35 |
| | **GYPSUM BLOCKS (TS EN 12859)** | | | |
| 10.130.3251 | 8-cm-thick, hollow gypsum block | m² | On the job | 75,00 |
| 10.130.3252 | 10-cm-thick, hollow gypsum block | m² | On the job | 85,00 |
| | **OTHER SHEET AND BLOCK PRODUCTS** | | | |
| 10.130.3301 | Panels and blocks made of expanded perlite (TS EN 13169+A1) | m³ | On the job | 430,00 |
| 10.130.3401 | Non-carrier foam concrete masonry units (TS 13565) | m³ | On the job | 280,00 |
| 10.130.3501 | EPS-added concrete blocks and panels (TS 13565) | m³ | On the job | 540,00 |
| 10.130.3521 | EPS-added concrete block glue | Kg | On the job | 1,45 |
| | **CLAY TILES (TS EN 1304) (Tightness Class: Group 1)** | | | |
| 10.130.4001 | Top and bottom bricks (Pantile) (resistant to 150 freeze-thaw cycles) | m² | Factory | 140,00 |
| 10.130.4002 | Top and bottom bricks (Pantile) (resistant to 90 freeze-thaw cycles) | m² | Factory | 125,00 |
| 10.130.4003 | Top and bottom channel tiles (Pantile) (Engobe/clay-based roofing) (Resistant to 150 freeze - thaw cycles) | m² | Factory | 175,00 |
| 10.130.4004 | Top and bottom channel tiles (Pantile) (Engobe/clay-based roofing) (Resistant to 90 freeze - thaw cycles) | m² | Factory | 155,00 |
| 10.130.4005 | Side- and top-interlocked tiles (resistant to 150 freeze-thaw cycles) | m² | Factory | 75,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.4006 | Side- and top-interlocked tiles (resistant to 90 freeze-thaw cycles) | m² | Factory | 65,00 |
| 10.130.4007 | Side and top-interlocking (Engobe/clay-based roofing) (Resistant to 150 freeze - thaw cycles) | m² | Factory | 105,00 |
| 10.130.4008 | Side and top-interlocking (Engobe/clay-based roofing) (Resistant to 90 freeze - thaw cycles) | m² | Factory | 95,00 |
| 10.130.4009 | Fittings (ridge) (resistant to 150 freeze-thaw cycles) | m | Factory | 23,00 |
| 10.130.4010 | Fittings (ridge) (resistant to 90 freeze-thaw cycles) | m | Factory | 15,50 |
| 10.130.4011 | Fittings (ridge) (Engobe/clay-based fired roofing) (resistant to 150 freeze-thaw cycles) | m | Factory | 31,50 |
| 10.130.4012 | Fittings (ridge) (Engobe/clay-based fired roofing) (resistant to 90 freeze-thaw cycles) | m | Factory | 24,00 |
| | **CONCRETE (INTERLOCKING) ROOF TILES (TS EN 490+A1)** | | | |
| 10.130.4101 | Concrete tile (colorless) | m² | Factory | 59,00 |
| 10.130.4102 | Concrete ridge tile (colorless) | m | Factory | 37,00 |
| 10.130.4103 | Concrete tile (iron-oxide painted) | m² | Factory | 73,00 |
| 10.130.4104 | Concrete ridge tile (iron-oxide painted) | m | Factory | 49,00 |
| 10.130.4105 | Concrete tile (iron-oxide painted - coated with colored glaze) | m² | Factory | 88,00 |
| 10.130.4106 | Concrete ridge tile (iron-oxide painted - coated with colored glaze) | m | Factory | 62,00 |
| | **Concrete tiles with 100% perlite aggregate** | | | |
| 10.130.4121 | Perlite concrete tile (colorless) | m² | Factory | 47,00 |
| 10.130.4122 | Perlite concrete ridge tile (colorless) | m | Factory | 32,00 |
| 10.130.4123 | Perlite concrete tile (iron-oxide painted) | m² | Factory | 58,00 |
| 10.130.4124 | Perlite concrete ridge tile (iron-oxide painted) | m | Factory | 38,00 |
| 10.130.4125 | Perlite concrete tile (iron-oxide painted - coated with colored glaze) | m² | Factory | 73,00 |
| 10.130.4126 | Perlite concrete ridge tile (iron-oxide painted - coated with colored glaze) | m | Factory | 55,00 |
| | Notice: All sections of the iron-oxide painted concrete/perlite concrete tiles shall be colored. The sections of concrete/perlite concrete tiles, which are painted in iron-oxide and coated with colored glaze, shall also be fully colored and their surfaces shall be glazed in the same color. | | | |
| | **Tile accessory and fitting parts** | | | |
| 10.130.4201 | Purlin carrier profile (with height setting - Aluminum) | Quantity | On the job | 14,60 |
| 10.130.4202 | Ridge ventilation strip (self-adhesive) | m | On the job | 73,00 |
| 10.130.4203 | Ridge fixing apparatus | Quantity | On the job | 5,00 |
| 10.130.4204 | Wall/manhole bottom strip (Polybutylene/vulcanized thermoplastic (TPV)-coated, aluminum-reinforced, self-adhesive, UV-resistant - 25/40-cm wide) | m | On the job | 145,00 |
| 10.130.4205 | Wall/manhole bottom strip (Polybutylene/vulcanized thermoplastic (TPV)-coated, aluminum-reinforced, self-adhesive, UV-resistant - 50/60-cm wide) | m | On the job | 270,00 |
| 10.130.4206 | Aluminum pressure bar (6 cm wide, every color) | m | On the job | 24,50 |
| 10.130.4207 | PVC-based, self-channeled, UV-resistant, vane-type groove/inclined gutter water insulation (min. 50 cm wide - every color) | m | On the job | 105,00 |
| 10.130.4208 | Self-channeled, UV-resistant, vane-type groove/inclined gutter water insulation made of aluminum (min. 50 cm wide - every color) | m | On the job | 85,00 |
| 10.130.4209 | Pantile fixing apparatus | Qty | On the job | 0,90 |
| 10.130.4210 | Eaves Comb Filler | Qty | On the job | 13,50 |
| | **LUMBERS (chopped in every size)** | | | |
| 10.130.4501 | Pine wood (1st Class) (TS 1265) (TS EN 844) (TS EN 1309-1, TS EN 1309-3, TS EN 1313-1, 2) | m³ | On the job | 7.250,00 |
| 10.130.4502 | Pine lumber (2nd Class) (TS 1265) (TS EN 844) (TS EN 1309-1, TS EN 1309-3, TS EN 1313-1, 2) | m³ | On the job | 4.000,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.130.4503 | Structural round timber (Pine) (2nd Class)<br>(TS EN 1927-1,2,3, TS EN 1309-3) | m³ | On the job | 2.400,00 |
| 10.130.4504 | White pine (Fir) (1st Class) (TS EN 844-6, 9, 12)<br>(TS EN 844) (TS EN 1309-1, TS EN 1309-3, TS EN 1313-1, 2) | m³ | On the job | 4.400,00 |
| 10.130.4505 | White pine (Fir) (2nd Class) (TS EN 844-6, 9, 12)<br>(TS EN 844) (TS EN 1309-1, TS EN 1309-3, TS EN 1313-1, 2) | m³ | On the job | 4.000,00 |
| 10.130.4506 | Poplar lumber (TS 1249 EN 975-2) | m³ | On the job | 2.500,00 |
| 10.130.4507 | Oak lumber (TS EN 975-1, TS EN 942) | m³ | On the job | 9.200,00 |
| 10.130.4508 | Walnut lumber | m³ | On the job | 11.000,00 |
| 10.130.4509 | Beech lumber (TS EN 975-1, TS EN 942) | m³ | On the job | 5.700,00 |
| | **PLYWOOD MOLD MATERIALS**<br>**(TS EN 636+A1)** | | | |
| 10.130.4601 | Non-film-coated, 15 mm | m² | On the job | 165,00 |
| 10.130.4602 | Non-film-coated, 18 mm | m² | On the job | 190,00 |
| 10.130.4603 | Non-film-coated, 21 mm | m² | On the job | 220,00 |
| 10.130.4604 | Film-coated, 15 mm | m² | On the job | 205,00 |
| 10.130.4605 | Film-coated, 18 mm | m² | On the job | 230,00 |
| 10.130.4606 | Film-coated, 21 mm | m² | On the job | 260,00 |
| 10.130.4607 | I-section wooden beam<br>(bottom and top caps min. 40 x 80 mm) | m | On the job | 120,00 |
| | **LIMES**<br>**(TS EN 459-1, TS EN 459-2)** | | | |
| 10.130.6001 | Calcium lime CL 70S Slaked powder lime (bagged) | Tons | Factory | 950,00 |
| 10.130.6002 | Calcium lime CL 80S Slaked powder lime (bagged) | Tons | Factory | 1.050,00 |
| 10.130.6003 | Calcium lime CL 90S Slaked powder lime (bagged) | Tons | Factory | 1.150,00 |
| 10.130.6010 | Hydraulic lime (HL 2) (bagged/bulk) | Tons | Factory | 1.600,00 |
| 10.130.6011 | Hydraulic lime (HL 3.5) (bagged/bulk) | Tons | Factory | 1.700,00 |
| 10.130.6012 | Natural hydraulic lime (HL 3.5) (bagged/bulk) | Tons | Factory | 6.600,00 |
| 10.130.6021 | Unslaked fragmented calcium lime | Kg | Factory | 0,90 |
| | **WATER** | | | |
| 10.130.9991 | Water | m³ | On the job | 14,00 |
| | **EXPLOSIVE AND COMBUSTIBLE MATERIALS** | | | |
| 10.160.1001 | Gelignite | Kg | On the job | 29,00 |
| 10.160.1002 | Emulsion-type explosive<br>(Detonator-sensitive, water-resistant) | Kg | On the job | 10,00 |
| 10.160.1003 | Ammonium nitrate, fuel-oil mixture<br>(Non-detonator-sensitive) | Kg | On the job | 9,80 |
| 10.160.1004 | Detonating cord (Tarry, Safety-enabled, Detonating) | m | On the job | 2,90 |
| 10.160.1005 | Detonator (Regular) | Qty | On the job | 4,00 |
| 10.160.1006 | Delayed Action (Detonator) | Qty | On the job | 10,80 |
| | **Detonator (Electric)** | | | |
| 10.160.1021 | 1.50-m wire length | Qty | On the job | 13,00 |
| 10.160.1022 | 2.50-m wire length | Qty | On the job | 14,80 |
| 10.160.1023 | Kerosene | Kg | On the job | 24,65 |
| 10.160.1024 | Liquid petroleum gas (LPG) | Kg | On the job | 18,63 |
| 10.160.1025 | Gasoline | Kg | On the job | 31,44 |
| 10.160.1026 | Diesel fuel | Kg | On the job | 26,53 |
| 10.160.1027 | Lubricating oil | Kg | On the job | 22,20 |
| 10.160.1028 | Waste oil | Kg | On the job | 1,45 |
| 10.160.1029 | Cotton waste | Kg | On the job | 6,00 |
| 10.160.1030 | Electrical power | kWh | On the job | 2,78 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.160.1031 | Carbide | Kg | On the job | 6,50 |
| 10.160.1032 | Oxygen cylinder, 20 L. | Qty | On the job | 115,00 |
| 10.160.1033 | Pressiometer pressurized air cylinder (20 L fill) | Qty | On the job | 115,00 |
| 10.160.1034 | Technical Ammonium Nitrate | Kg | On the job | 11,00 |
| 10.160.1035 | Electrode (3.25 to 4 mm in diameter) (TS EN ISO 2560) | Qty | On the job | 0,85 |
| | **WOODEN CONSTRUCTION MATERIALS** | | | |
| | **WOOD FLOORING (TS EN 13226)** | | | |
| | **Processed flooring (Oak) (1st Class)** | | | |
| 10.170.1001 | 15-16 mm thickness | m² | On the job | 270,00 |
| | **Processed flooring (Oak) (2nd Class)** | | | |
| 10.170.1011 | 15-16 mm thickness | m² | On the job | 245,00 |
| | **Processed flooring (Oak) (3rd Class)** | | | |
| 10.170.1021 | 15-16 mm thickness | m² | On the job | 220,00 |
| | **Processed flooring (Beech) (class I)** | | | |
| 10.170.1031 | 15-16 mm thickness | m² | On the job | 205,00 |
| | **Processed flooring (Beech) (class II)** | | | |
| 10.170.1041 | 15-16 mm thickness | m² | On the job | 185,00 |
| | **Processed flooring (Beech) (class III)** | | | |
| 10.170.1051 | 15-16 mm thickness | m² | On the job | 160,00 |
| | **LAMINATE FLOORING (TS EN 13329+A1)** | | | |
| 10.170.1201 | AC1 Class 21 | m² | On the job | 77,00 |
| 10.170.1202 | AC3 Class 23-31 | m² | On the job | 90,00 |
| 10.170.1203 | AC4 Class 32 | m² | On the job | 105,00 |
| 10.170.1251 | 5-6-mm-thick, AC 4 Class 32, Water-proof PVC Flooring Heterogeneous Group T (TS EN ISO 10581) | m² | On the job | 190,00 |
| | **MULTI-LAYER FLOORING COMPONENTS** | | | |
| 10.170.1401 | Multi-layer flooring component in round, square and triangle classes for oak and other leafed (hard wood) tree types. (Type: 1) (TS EN 13489) | m² | On the job | 320,00 |
| 10.170.1402 | Multi-layer flooring component in free class for oak and other leafed (hard wood) tree types. (Type: 4) (TS EN 13489) | m² | On the job | 350,00 |
| | **WOOD PLATING (TS 1250)** | | | |
| 10.170.1601 | Walnut veneer (0.8 mm thickness) | m² | On the job | 48,00 |
| 10.170.1602 | Oak veneer (0.8 mm thickness) | m² | On the job | 34,00 |
| 10.170.1603 | Mahogany veneer (0.6 mm thickness) | m² | On the job | 28,00 |
| 10.170.1604 | Beech veneer (0.8 mm thickness) | m² | On the job | 15,00 |
| | **TIMBERS MODIFIED BY THERMAL TREATMENT (TSE CEN/TS 15679)** | | | |
| 10.170.1701 | Thermally treated (185-212°C) 19-mm-thick siding with Class I pine wood | m² | On the job | 520,00 |
| 10.170.1702 | Thermally treated (185-212°C) 26-mm-thick flooring with Class I pine wood | m² | On the job | 550,00 |
| 10.170.1703 | Thermally treated (185-212°C) 19-mm-thick siding and flooring with Class I iroko wood | m² | On the job | 880,00 |
| 10.170.1704 | Thermally treated (185-212°C) 21-mm-thick siding and flooring with Class I ash wood | m² | On the job | 760,00 |
| 10.170.1705 | Thermally treated (185-212°C) 25-mm-thick siding and flooring with Class I ash wood | m² | On the job | 920,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.170.1721 | Thermally treated (185-212°C)<br>Class I Pine Wood | m³ | On the job | 21.100,00 |
| 10.170.1722 | Thermally treated (185-212°C)<br>Class I Ash Wood | m³ | On the job | 29.500,00 |
| 10.170.1723 | Thermally treated (185-212°C)<br>Class I Iroko Wood | m³ | On the job | 32.000,00 |
| | **PLYWOOD (TS EN 636+A1)** | | | |
| 10.170.1801 | Plywood<br>(Prices of different thicknesses shall be estimated by proportion) | m³ | On the job | 7.500,00 |
| | **ORIENTED STRAND BOARDS (OSB)<br>(TS EN 300)** | | | |
| | **Used as a load carrier under dry conditions (OSB/2 Type)** | | | |
| 10.170.1901 | 6 mm thickness | m² | On the job | 30,00 |
| 10.170.1902 | 9 mm thickness | m² | On the job | 36,00 |
| 10.170.1903 | 11 mm thickness | m² | On the job | 37,00 |
| 10.170.1904 | 15 mm thickness | m² | On the job | 58,00 |
| 10.170.1905 | 18 mm thickness | m² | On the job | 69,00 |
| 10.170.1906 | 22 mm thickness | m² | On the job | 85,00 |
| | **Used as a load carrier under humid conditions (OSB/3 Type)** | | | |
| 10.170.1921 | 6 mm thickness | m² | On the job | 36,00 |
| 10.170.1922 | 9 mm thickness | m² | On the job | 39,00 |
| 10.170.1923 | 11 mm thickness | m² | On the job | 45,00 |
| 10.170.1924 | 15 mm thickness | m² | On the job | 62,00 |
| 10.170.1925 | 18 mm thickness | m² | On the job | 75,00 |
| 10.170.1926 | 22 mm thickness | m² | On the job | 90,00 |
| | **WOOD FIBER BOARDS<br>(TS 64-1 EN 622-1, TS 64-2 EN 622-2, TS 64-3 EN 622-3,<br>TS EN 622-4, TS EN 622-5)** | | | |
| 10.170.2001 | Flat, 3.0 mm | m² | On the job | 16,00 |
| 10.170.2002 | Flat, 4 mm | m² | On the job | 18,00 |
| 10.170.2003 | Flat, 5 mm | m² | On the job | 23,00 |
| 10.170.2004 | Ceiling board, perforated (40 x 40 cm), 3.0-mm thick | Qty | On the job | 5,50 |
| 10.170.2005 | Ceiling board, perforated, coated, (40 x 40 cm), 3.0-mm thick | Qty | On the job | 8,00 |
| 10.170.2006 | Ceiling board, perforated (40 x 80 cm), 3.0-mm thick | Qty | On the job | 7,50 |
| 10.170.2007 | Ceiling board, perforated, coated, (40 x 80 cm), 3.0-mm thick | Qty | On the job | 11,00 |
| 10.170.2008 | 4-mm thick, with rope | m² | On the job | 8,00 |
| 10.170.2009 | Soft boards of wood fiber boards (12.7 mm) | m² | On the job | 11,00 |
| | **PARTICLE BOARDS<br>(TS EN 309, 310, 312, 317, 319, 322, 323, TS EN 324-1,<br>TS EN 324-2, TS EN 325, TS EN 326-1)** | | | |
| 10.170.2101 | 4 mm thickness | m² | On the job | 18,50 |
| 10.170.2102 | 6 mm thickness | m² | On the job | 24,50 |
| 10.170.2103 | 8 mm thickness | m² | On the job | 28,00 |
| 10.170.2104 | 10 mm thickness | m² | On the job | 32,00 |
| 10.170.2105 | 13 mm thickness | m² | On the job | 36,00 |
| 10.170.2106 | 16 mm thickness | m² | On the job | 40,00 |
| 10.170.2107 | 19 mm thickness | m² | On the job | 44,50 |
| 10.170.2108 | 22 mm thickness | m² | On the job | 48,50 |
| 10.170.2109 | 25 mm thickness | m² | On the job | 52,00 |
| 10.170.2110 | 30 mm thickness | m² | On the job | 63,00 |
| 10.170.2111 | 35-mm-thick board perforated to cross sections (TS 3482) | m² | On the job | 80,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.170.2112 | 38-mm-thick board perforated to cross sections (TS 3482) | m² | On the job | 88,00 |
| | **SYNTHETIC RESIN-BASED PARTICLE BOARDS (TS 1770) (all colors and patterns)** | | | |
| 10.170.2201 | 8 mm thickness | m² | On the job | 42,00 |
| 10.170.2202 | 18 mm thickness | m² | On the job | 70,00 |
| 10.170.2203 | 30 mm thickness | m² | On the job | 118,00 |
| | **Mineral-added PVC composite sheets (TS 13893) (Fire class Cs3d0) Other thicknesses are interpolated.** | | | |
| 10.170.2301 | 4 mm thickness | m² | On the job | 280,00 |
| 10.170.2302 | 6 mm thickness | m² | On the job | 320,00 |
| 10.170.2303 | 8 mm thickness | m² | On the job | 335,00 |
| 10.170.2304 | 10 mm thickness | m² | On the job | 385,00 |
| 10.170.2305 | 12 mm thickness | m² | On the job | 445,00 |
| 10.170.2307 | 16 mm thickness | m² | On the job | 565,00 |
| 10.170.2308 | 18 mm thickness | m² | On the job | 660,00 |
| | **PROFILED SHEETS WITH CHEMICAL CELLULOSIC COATING ON 17 MM PARTICLE BOARDS (Colorful - Decorative) (TS 4616)** | | | |
| 10.170.2401 | For internal coating: | m² | On the job | 380,00 |
| 10.170.2402 | For external coating: | m² | On the job | 520,00 |
| | **DECORATIVE LAMINATE BOARDS (TS EN 438-1) (High-pressure-compressed Thermoset Resin-based)** | | | |
| | **A- Standard laminate boards (Various colors, patterns and surface forms)** | | | |
| 10.170.2451 | 0.65 mm thickness | m² | On the job | 68,00 |
| 10.170.2452 | 1.00 mm thickness | m² | On the job | 80,00 |
| | **B- Laminate boards that can be shaped later (various colors, patterns and surface forms)** | | | |
| 10.170.2501 | 0.65 mm thickness | m² | On the job | 75,00 |
| | **C- Compact Laminated boards (various colors, patterns and surface forms)** | | | |
| 10.170.2551 | 2 mm thickness | m² | On the job | 169,00 |
| 10.170.2552 | 20 mm thickness | m² | On the job | 1.320,00 |
| | Note: Other thicknesses shall be interpolated. | | | |
| | **DECORATIVE LAMINATED-LAMINATE BOARDS FOR OUTDOORS (TSE N 438-6) (High-pressure-compressed Thermoset Resin-based)** | | | |
| 10.170.2601 | Compact laminated board, 4-mm thick | m² | On the job | 450,00 |
| 10.170.2602 | Compact laminated board, 6-mm thick | m² | On the job | 525,00 |
| 10.170.2603 | Compact laminated board, 8-mm thick | m² | On the job | 600,00 |
| 10.170.2604 | Compact laminated board, 10-mm thick | m² | On the job | 675,00 |
| 10.170.2605 | Compact laminated board, 12-mm thick | m² | On the job | 750,00 |
| 10.170.2621 | Compact laminated board, 4-mm thick, two faces | m² | On the job | 525,00 |
| 10.170.2622 | Compact laminated board, 6-mm thick, two faces | m² | On the job | 600,00 |
| 10.170.2623 | Compact laminated board, 8-mm thick, two faces | m² | On the job | 675,00 |
| 10.170.2624 | Compact laminated board, 10-mm thick, two faces | m² | On the job | 750,00 |
| 10.170.2625 | Compact laminated board, 12-mm thick, two faces | m² | On the job | 825,00 |
| | Note: Other thicknesses shall be interpolated. | | | |
| | **METAL MATERIALS** | | | |
| | **STEEL SHEETS AND PLATES** | | | |
| 10.200.1001 | Black flat metal sheet (1.5 mm thickness) | Kg | Factory | 18,84 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.1002 | Black flat metal sheet (2.0 mm thickness) | Kg | Factory | 18,47 |
| 10.200.1003 | Black flat metal sheet (2.5 mm thickness and above) (1200 x 2400 HRU) and others | Kg | Factory | 18,69 |
| | **COLD-ROLLED STEEL ROLL, DC01 QUALITY (width: 1100 mm (inclusive) small) (TS EN 10130)**<br><br>**Note: Also, if it is done, an extra charge of 5% for side trimming, 5% for length trimming and 5% for galvanizing (hot dip) shall be applicable.** | | | |
| 10.200.1101 | 0.29 mm (inclusive, small) thickness | Kg | Factory | 22,59 |
| 10.200.1102 | 0.30 mm - 0.34 mm thickness | Kg | Factory | 21,65 |
| 10.200.1103 | 0.35 mm - 0.39 mm thickness | Kg | Factory | 21,65 |
| 10.200.1104 | 0.40 mm - 0.44 mm thickness | Kg | Factory | 21,36 |
| 10.200.1105 | 0.45 mm - 0.49 mm thickness | Kg | Factory | 21,05 |
| 10.200.1106 | 0.50 mm - 0.59 mm thickness | Kg | Factory | 20,89 |
| 10.200.1107 | 0.60 mm - 0.69 mm thickness | Kg | Factory | 20,83 |
| 10.200.1108 | 0.70 mm - 0.79 mm thickness | Kg | Factory | 20,80 |
| 10.200.1109 | 0.80 mm - 0.89 mm thickness | Kg | Factory | 20,80 |
| 10.200.1110 | 0.90 mm - 0.99 mm thickness | Kg | Factory | 20,66 |
| 10.200.1111 | 1.00 mm - 1.49 mm thickness | Kg | Factory | 20,66 |
| 10.200.1112 | 1.50 mm (included, large) thickness | Kg | Factory | 20,58 |
| | **COLD-ROLLED STEEL ROLL, DC01 QUALITY (width: 1100 mm [excluding 1100 mm] large) (TS EN 10130)**<br><br>**Note: Also, if it is done, an extra charge of 5% for side trimming, 5% for length trimming and 5% for galvanizing (hot dip) shall be applicable.** | | | |
| 10.200.1151 | 0.29 mm (inclusive, small) thickness | Kg | Factory | 22,64 |
| 10.200.1152 | 0.30 mm - 0.34 mm thickness | Kg | Factory | 21,56 |
| 10.200.1153 | 0.35 mm - 0.39 mm thickness | Kg | Factory | 21,56 |
| 10.200.1154 | 0.40 mm - 0.44 mm thickness | Kg | Factory | 21,23 |
| 10.200.1155 | 0.45 mm - 0.49 mm thickness | Kg | Factory | 20,95 |
| 10.200.1156 | 0.50 mm - 0.59 mm thickness | Kg | Factory | 20,89 |
| 10.200.1157 | 0.60 mm - 0.69 mm thickness | Kg | Factory | 20,71 |
| 10.200.1158 | 0.70 mm - 0.79 mm thickness | Kg | Factory | 20,66 |
| 10.200.1159 | 0.80 mm - 0.89 mm thickness | Kg | Factory | 20,67 |
| 10.200.1160 | 0.90 mm - 0.99 mm thickness | Kg | Factory | 20,52 |
| 10.200.1161 | 1.00 mm - 1.49 mm thickness | Kg | Factory | 20,52 |
| 10.200.1162 | 1.50 mm (included, large) thickness | Kg | Factory | 20,45 |
| | **HOT-ROLLED BOARD (S235 JR) (TS EN 10025-1, 2, 3, 4, 5, 6) (any size)** | | | |
| 10.200.1201 | 5.00 mm - 7.99 mm thickness | Kg | Factory | 23,82 |
| 10.200.1202 | 8.00 mm - 11.99 mm thickness | Kg | Factory | 23,46 |
| 10.200.1203 | 12.00 mm - 15.99 mm thickness | Kg | Factory | 23,46 |
| 10.200.1204 | 16.00 mm - 17.99 mm thickness | Kg | Factory | 23,02 |
| 10.200.1205 | 18.00 mm (included, large) thickness | Kg | Factory | 22,87 |
| | **SHEET METAL MADE OF HOT-ROLLED, ACIDIFIED ROLL (S235 JR) (TS EN 10025-1, 2, 3, 4, 5, 6) (any size)** | | | |
| 10.200.1251 | 1.50 mm - 1.59 mm thickness | Kg | Factory | 19,42 |
| 10.200.1252 | 1.60 mm - 1.79 mm thickness | Kg | Factory | 19,13 |
| 10.200.1253 | 1.80 mm - 1.99 mm thickness | Kg | Factory | 19,06 |
| 10.200.1254 | 2.00 mm - 2.19 mm thickness | Kg | Factory | 18,98 |
| 10.200.1255 | 2.20 mm - 2.49 mm thickness | Kg | Factory | 18,98 |
| 10.200.1256 | 2.50 mm - 2.99 mm thickness | Kg | Factory | 18,98 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.1257 | 3.00 mm - 4.99 mm thickness | Kg | Factory | 18,91 |
| 10.200.1258 | 5.00 mm - 7.99 mm thickness | Kg | Factory | 18,91 |
| 10.200.1259 | 8.00 mm - 11.99 mm thickness | Kg | Factory | 18,91 |
| 10.200.1260 | 12.00 mm - 15.00 mm thickness | Kg | Factory | 18,98 |
| | **GALVANIZED SHEET METALS** | | | |
| 10.200.1301 | Hot-dip galvanized flat sheet metal (TS 822) | Kg | On the job | 18,10 |
| 10.200.1302 | Hot-dip galvanized, plain sheet metal factory-coated with roller: (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining) | Kg | On the job | 20,80 |
| 10.200.1303 | Hot-dip galvanized grooved/trapezoid sheet metal (TS 822) | Kg | On the job | 20,10 |
| 10.200.1304 | Hot-dip galvanized and coated grooved/trapezoid sheet metal. Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining) | Kg | On the job | 21,70 |
| | **GALVALUME SHEET METALS (TS EN 10346)** | | | |
| 10.200.1401 | Hot-dip galvalume plain sheet metals | Kg | On the job | 17,80 |
| 10.200.1402 | Hot-dip galvalume and coated plain sheet metal Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining) | Kg | On the job | 19,80 |
| 10.200.1403 | Hot-dip galvalume grooved/trapezoid sheet metals | Kg | On the job | 19,30 |
| 10.200.1404 | Hot-dip galvalume and coated grooved/trapezoid sheet metal. Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining) | Kg | On the job | 21,40 |
| | **OTHER METAL SHEETS** | | | |
| 10.200.1501 | Diamond-pattern sheet metal | Kg | On the job | 18,30 |
| | **STAINLESS STEELS (TS EN 10088-1)** | | | |
| 10.200.1601 | 1.4301 (AISI 304) quality stainless steel bar | Kg | On the job | 52,00 |
| 10.200.1602 | 1.4401 (AISI 316) quality stainless steel bar | Kg | On the job | 72,00 |
| 10.200.1603 | 1.4301 (AISI 304) quality stainless steel sheet | Kg | On the job | 50,00 |
| 10.200.1604 | 1.4401 (AISI 316) quality stainless steel sheet | Kg | On the job | 68,00 |
| 10.200.1605 | 1.4301 (AISI 304) quality stainless steel pipe | Kg | On the job | 60,00 |
| 10.200.1606 | 1.4401 (AISI 316) quality stainless steel pipe | Kg | On the job | 91,00 |
| 10.200.1607 | 1.4301 (AISI 304) quality stainless steel profile | Kg | On the job | 57,00 |
| | **ALUMINUM PROFILES (TS 4922; TS EN 12020-1, 2 TS EN 755-1, 2, 3, 4, 5, 6, 7, 8, 9)** | | | |
| 10.200.2001 | Aluminum profiles | Kg | On the job | 60,00 |
| 10.200.2002 | Natural-matte anodized aluminum profile | Kg | On the job | 68,00 |
| 10.200.2003 | Natural (glossy or sandblasted or satin) and anodized aluminum profile | Kg | On the job | 81,00 |
| 10.200.2004 | Colored-matte, anodized aluminum profile | Kg | On the job | 69,00 |
| 10.200.2005 | Colored (glossy or sandblasted) and anodized aluminum profile | Kg | On the job | 70,00 |
| 10.200.2006 | Electrostatic powder-coated aluminum profile | Kg | On the job | 80,00 |
| 10.200.2012 | Natural-matte, anodized, thermally insulated aluminum profile | Kg | On the job | 81,00 |
| 10.200.2013 | Natural (glossy or sandblasted), anodized and thermally insulated aluminum profile | Kg | On the job | 83,00 |
| 10.200.2014 | Colored-matte, anodized, thermally insulated aluminum profile | Kg | On the job | 81,00 |
| 10.200.2015 | Colored (glossy or sandblasted), anodized and thermally insulated aluminum profile | Kg | On the job | 83,00 |
| 10.200.2016 | Electrostatic powder-coated, thermally insulated aluminum profile | Kg | On the job | 81,00 |
| 10.200.2022 | Natural-matte and anodized aluminum profile with PVC insulation | Kg | On the job | 69,00 |
| 10.200.2023 | Natural (glossy or sandblasted or satin) and anodized, PVC-insulated aluminum profile | Kg | On the job | 72,00 |
| 10.200.2024 | Colored-matte and anodized aluminum profile with PVC insulation | Kg | On the job | 72,00 |
| 10.200.2025 | Colored (glossy or sandblasted) and anodized, PVC-insulated aluminum profile | Kg | On the job | 75,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.2026 | Electrostatic powder-coated, PVC-insulated aluminum profile | Kg | On the job | 75,00 |
| | **ALUMINUM PANELS (TS EN 485-1, TS EN 485-2, TS EN 485-4)** | | | |
| | **A- Plain Aluminum Panels** | | | |
| | **1-EN AW 1100-AL99.0 Cu** | | | |
| 10.200.2101 | 0.30 mm thickness | Kg | On the job | 65,00 |
| 10.200.2102 | 0.50 mm thickness | Kg | On the job | 64,00 |
| 10.200.2103 | 0.70 mm thickness | Kg | On the job | 64,00 |
| 10.200.2104 | 3.00 mm thickness | Kg | On the job | 63,00 |
| | **2-EN AW 1050A-AL99.5** | | | |
| 10.200.2111 | 0.30 mm thickness | Kg | On the job | 65,00 |
| 10.200.2112 | 0.50 mm thickness | Kg | On the job | 64,00 |
| 10.200.2113 | 0.70 mm thickness | Kg | On the job | 64,00 |
| 10.200.2114 | 3.00 mm thickness | Kg | On the job | 63,00 |
| | **3-EN AW 3003-ALMn1Cu** | | | |
| 10.200.2121 | 0.30 mm thickness | Kg | On the job | 66,00 |
| 10.200.2122 | 0.50 mm thickness | Kg | On the job | 65,00 |
| 10.200.2123 | 0.70 mm thickness | Kg | On the job | 65,00 |
| 10.200.2124 | 3.00 mm thickness | Kg | On the job | 64,00 |
| | **4-EN AW 3105-ALMn0.5Mg0.5** | | | |
| 10.200.2131 | 0.30 mm thickness | Kg | On the job | 66,00 |
| 10.200.2132 | 0.50 mm thickness | Kg | On the job | 65,00 |
| 10.200.2133 | 0.70 mm thickness | Kg | On the job | 65,00 |
| 10.200.2134 | 3.00 mm thickness | Kg | On the job | 64,00 |
| | **5-EN AW 5005-ALMg1** | | | |
| 10.200.2141 | 0.30 mm thickness | Kg | On the job | 66,00 |
| 10.200.2142 | 0.50 mm thickness | Kg | On the job | 65,00 |
| 10.200.2143 | 0.70 mm thickness | Kg | On the job | 65,00 |
| 10.200.2144 | 3.00 mm thickness | Kg | On the job | 64,00 |
| | **B- Coated Aluminum Flat Panels Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and 20 microns of final coat of polyester paint. Inner surface coated with min. 7 microns of epoxy lining)** | | | |
| | **1-EN AW 1100-AL99.0 Cu** | | | |
| 10.200.2201 | 0.30 mm thickness | Kg | On the job | 81,00 |
| 10.200.2202 | 0.50 mm thickness | Kg | On the job | 80,00 |
| 10.200.2203 | 0.70 mm thickness | Kg | On the job | 80,00 |
| 10.200.2204 | 3.00 mm thickness | Kg | On the job | 80,00 |
| | **2-EN AW 1050A-AL99.5** | | | |
| 10.200.2211 | 0.30 mm thickness | Kg | On the job | 81,00 |
| 10.200.2212 | 0.50 mm thickness | Kg | On the job | 80,00 |
| 10.200.2213 | 0.70 mm thickness | Kg | On the job | 80,00 |
| 10.200.2214 | 3.00 mm thickness | Kg | On the job | 80,00 |
| | **3-EN AW 3003-ALMn1Cu** | | | |
| 10.200.2221 | 0.30 mm thickness | Kg | On the job | 83,00 |
| 10.200.2222 | 0.50 mm thickness | Kg | On the job | 81,00 |
| 10.200.2223 | 0.70 mm thickness | Kg | On the job | 81,00 |
| 10.200.2224 | 3.00 mm thickness | Kg | On the job | 81,00 |
| | **4-EN AW 3105-ALMn0.5Mg0.5** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.2231 | 0.30 mm thickness | Kg | On the job | 83,00 |
| 10.200.2232 | 0.50 mm thickness | Kg | On the job | 81,00 |
| 10.200.2233 | 0.70 mm thickness | Kg | On the job | 81,00 |
| 10.200.2234 | 3.00 mm thickness | Kg | On the job | 81,00 |
| | **5-EN AW 5005-ALMg1** | | | |
| 10.200.2241 | 0.30 mm thickness | Kg | On the job | 83,00 |
| 10.200.2242 | 0.50 mm thickness | Kg | On the job | 83,00 |
| 10.200.2243 | 0.70 mm thickness | Kg | On the job | 81,00 |
| 10.200.2244 | 3.00 mm thickness | Kg | On the job | 80,00 |
| | **Trapezoidal aluminum panels (TS 7677 - aluminum alloys) (various thickness values)** | | | |
| 10.200.2301 | EN AW 3003 -ALMn1Cu | Kg | On the job | 73,00 |
| 10.200.2302 | EN AW 3105-ALMn0,5Mg0,5 | Kg | On the job | 73,00 |
| 10.200.2303 | EN AW 5005 -ALMg1 | Kg | On the job | 82,00 |
| | **Coated trapezoidal aluminum panels (TS 7677 - Aluminum alloys) (Various thickness values) Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and 20 microns of final coat of polyester paint. Inner surface coated with min. 7 microns of epoxy lining)** | | | |
| 10.200.2341 | EN AW 3003 - ALMn1Cu | Kg | On the job | 90,00 |
| 10.200.2342 | EN AW 3105 - ALMn0,5Mg0,5 | Kg | On the job | 90,00 |
| 10.200.2343 | EN AW 5005- ALMn1 | Kg | On the job | 95,00 |
| | **Trapezoidal Aluminum Panels (TS 7677 - Aluminum) (Various Thicknesses)** | | | |
| 10.200.2381 | EN AW 1050A - AL99.5 | Kg | On the job | 70,00 |
| | **Coated Trapezoidal Aluminum Panels (TS 7677 - Aluminum) (Various Thicknesses) Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and 20 microns of final coat of polyester paint. Inner surface coated with min. 7 microns of epoxy lining)** | | | |
| 10.200.2391 | EN AW 1050A - AL99.5 | Kg | On the job | 84,00 |
| | **ALUMINUM COMPOSITE PANELS** | | | |
| 10.200.2401 | Aluminum Composite Panel (0.50 mm + 3 mm + 0.50 mm) 0.50-mm-thick aluminum plate visible exterior surface of 0.50-mm-thick aluminum plate (EN AW 5000 series) coated with min. 8-micron epoxy primer, then 22-micron PVDF (boiling 500 > 70%), final coat of paint, and 3-mm polyethylene filling in between, and with an adhesion strength of min. 100 N/cm, (minimum fire class C s3 d2) | m² | On the job | 360,00 |
| 10.200.2411 | Aluminum Composite Panel (0.50 mm + 3 mm + 0.50 mm) 3-mm-thick mineral filling between the 0.50-mm-thick (EN AW 3000 series) aluminum plates. The visible external surfaces of the aluminum sheets shall be coated with 28-mm-thick PVDF paint, and primer-coated composite panels between the aluminum sheets and fillings (fire class: A2 s1 d0) | m² | On the job | 690,00 |
| | **Pop Rivet, Lag Screw Set, Aluminum Ingot** | | | |
| 10.200.2451 | Aluminum lag fasteners | Qty | On the job | 2,18 |
| 10.200.2452 | Aluminum pop rivet | Qty | On the job | 0,17 |
| 10.200.2501 | Aluminum ingot | Kg | Factory | 57,66 |
| | **ALUMINUM EXPANSION PROFILES (Etial 60)** | | | |
| | **Covering Profiles (for Walls, Ceilings and Facades) (Anodized - Countersunk screw holes drilled at max. 45-cm intervals on one side)** | | | |
| 10.200.2701 | 120 mm width, min. 1.3-mm wall thickness | m | On the job | 63,00 |
| 10.200.2702 | 150 mm width, min 1.5 mm wall thickness | m | On the job | 87,00 |
| 10.200.2703 | 200 mm width, min 1.7 mm wall thickness | m | On the job | 132,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.2704 | 250 mm width, min 1.7 mm wall thickness | m | On the job | 157,00 |
| | **Covering Profiles (Resistant to pedestrian loads) (for flooring) (Anodized - Countersunk screw holes drilled at max. 45-cm intervals on one side)** | | | |
| 10.200.2711 | 120 mm width, min. 2.2 mm wall thickness | m | On the job | 92,00 |
| 10.200.2712 | 150 mm width, min 2.4 mm wall thickness | m | On the job | 123,00 |
| 10.200.2713 | 200 mm width, min 2.6 mm wall thickness | m | On the job | 189,00 |
| 10.200.2714 | 250 mm width, min 2.6 mm wall thickness | m | On the job | 216,00 |
| | **Sub-coating Expansion Profiles (Resistant to pedestrian loads) (for flooring) (Including rubber gaskets) (Aluminum wall thickness min. 2 mm, min. +/- 4-mm movement capacity, Profile height min. 35 mm, wing width min. 45 mm)** | | | |
| 10.200.2721 | Expansion gap: 50 mm | m | On the job | 136,00 |
| 10.200.2722 | Expansion gap: 80 mm | m | On the job | 211,00 |
| 10.200.2723 | Expansion gap: 100 mm | m | On the job | 255,00 |
| | **Sub-coating Expansion Profiles (Resistant to pedestrian loads) (for flooring) (Including rubber and aluminum strip seals) (Aluminum wall thickness min. 2.5 mm, movement capacity min +/- 4 mm, Profile height min. 40 mm, wing width min. 45 mm, gaps between the supports carrying the seal reinforced with additional components)** | | | |
| 10.200.2731 | Expansion gap: 50 mm | m | On the job | 273,00 |
| 10.200.2732 | Expansion gap: 80 mm | m | On the job | 367,00 |
| 10.200.2733 | Expansion gap: 100 mm | m | On the job | 459,00 |
| 10.200.2734 | Expansion gap: 150 mm | m | On the job | 696,00 |
| | **Over-coating Expansion Profiles (For Walls and Ceilings) (Including rubber seals) (Aluminum wall thickness min. 1.5 mm, movement capacity min +/- 4 mm, Profile height min. 13 mm, wing width min. 45 mm) (Countersunk screw holes drilled at max. 45-cm intervals on two opposing edges)** | | | |
| 10.200.2741 | Expansion gap: 50 mm | m | On the job | 72,00 |
| 10.200.2742 | Expansion gap: 80 mm | m | On the job | 86,00 |
| 10.200.2743 | Expansion gap: 100 mm | m | On the job | 101,00 |
| | **Over-coating Expansion Profiles (Resistant to pedestrian loads) (for flooring) (Including rubber seals) (Aluminum wall thickness min. 1.5 mm, movement capacity min +/- 4 mm, Profile height min. 15 mm, wing width min. 45 mm) (Countersunk screw holes drilled at max. 30-cm intervals on two opposing edges)** | | | |
| 10.200.2751 | Expansion gap: 50 mm | m | On the job | 123,00 |
| 10.200.2752 | Expansion gap: 80 mm | m | On the job | 172,00 |
| 10.200.2753 | Expansion gap: 100 mm | m | On the job | 211,00 |
| | **Over-coating Expansion Profiles (Resistant to pedestrian loads) (for flooring) (Including rubber and aluminum strip seals) (Aluminum wall thickness min. 2 mm, movement capacity min +/- 4 mm, Profile height min. 20 mm, wing width min. 45 mm, gaps between the supports carrying the seal reinforced with additional components) (Countersunk screw holes drilled at max. 30-cm intervals on two opposing edges)** | | | |
| 10.200.2761 | Expansion gap: 50 mm | m | On the job | 154,00 |
| 10.200.2762 | Expansion gap: 80 mm | m | On the job | 216,00 |
| 10.200.2763 | Expansion gap: 100 mm | m | On the job | 277,00 |
| 10.200.2764 | Expansion gap: 150 mm | m | On the job | 417,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | Note:<br>1- The same definitions and prices shall be applicable to the corner expansion profiles.<br>2- Where other measurable properties than the ones mentioned above are required in the relevant project design and specifications are sought, these items shall not apply. | | | |
| | **Expansion Profile Installation Materials, etc.** | | | |
| 10.200.2791 | Butyl tape<br>(each side self-adhesive, 3 mm thickness / 10 mm width) | m | On the job | 7,60 |
| 10.200.2792 | Insulation tape for expansions<br>(min. 1-mm-thick, 30-cm-wide) | m | On the job | 75,00 |
| 10.200.2793 | Insulation tape for expansions<br>(min. 1-mm-thick, 40-cm-wide) | m | On the job | 98,00 |
| | **ZINC - LEAD** | | | |
| 10.200.2801 | Zinc plate | Kg | On the job | 59,00 |
| 10.200.2809 | Zinc (Ingot) (TS EN ISO 3146+AC) | Kg | On the job | 51,00 |
| 10.200.2811 | Lead plate (min. 99.98% purity) | Kg | On the job | 47,00 |
| 10.200.2812 | Lead Sheet (99.80% ≤ purity < 99.98%) | Kg | On the job | 44,00 |
| 10.200.2819 | Lead (Ingot) | Kg | On the job | 40,00 |
| | **SPHREOIDAL GRAPHITE CAST IRON, COPPER AND BRASS PRODUCTS, ETC.** | | | |
| 10.200.2851 | Nodular cast (GJS 400) (TS EN 1563) | Kg | On the job | 21,50 |
| 10.200.2852 | Nodular cast (GJS 500) (TS EN 1563) | Kg | On the job | 23,00 |
| 10.200.2853 | Various copper profiles and plates (TS EN 1652) | Kg | On the job | 195,00 |
| 10.200.2854 | Blister copper | Kg | Factory | 152,42 |
| 10.200.2861 | Brass pipes | Kg | On the job | 136,00 |
| 10.200.2862 | Flat brass bar | Kg | On the job | 136,00 |
| | **SUPPORTS** | | | |
| 10.200.2951 | High-quality steel support<br>(Special cast) | Kg | On the job | 26,00 |
| 10.200.2952 | Rubber abutment with plates with internal reinforcement<br>(60 shore) | $cm^3$ | On the job | 0,13 |
| | **HOT-DIP GALVANIZED STEEL SHEET PROFILES FOR GYPSUM BOARDS (ST 37)<br>(TS EN 14195)** | | | |
| 10.200.3001 | Ceiling C 60 profile with 60x27 mm minimum size, 0.50 mm minimum thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (TC60) | m | On the job | 8,00 |
| 10.200.3002 | Ceiling C 60 profile with 60x27 mm minimum size, 0.60 mm minimum thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (TC60) | m | On the job | 11,00 |
| 10.200.3003 | Ceiling U28 profile with 0.50 mm minimum thickness and 27 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (TU28) | m | On the job | 5,50 |
| 10.200.3004 | Ceiling U28 profile with 0.60 mm minimum thickness and 27 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (TU28) | m | On the job | 6,20 |
| 10.200.3005 | Wall C 50 profile with 0.50 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC50) | m | On the job | 11,50 |
| 10.200.3006 | Wall C 50 profile with 0.60 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC50) | m | On the job | 13,70 |
| 10.200.3007 | Wall C 75 profile with 0.50 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC75) | m | On the job | 13,60 |
| 10.200.3008 | Wall C 75 profile with 0.60 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC75) | m | On the job | 16,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.3009 | Wall C 100 profile with 0.50 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC100) | m | On the job | 15,50 |
| 10.200.3010 | Wall C 100 profile with 0.60 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC100) | m | On the job | 18,40 |
| 10.200.3011 | Wall U 50 profile with 0.50 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU50) | m | On the job | 8,20 |
| 10.200.3012 | Wall U 50 profile with 0.60 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU50) | m | On the job | 11,50 |
| 10.200.3013 | Wall U 75 profile with 0.50 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU75) | m | On the job | 10,00 |
| 10.200.3014 | Wall U 75 profile with 0.60 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU75) | m | On the job | 13,80 |
| 10.200.3015 | Wall U 100 profile with 0.50 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU100) | m | On the job | 12,20 |
| 10.200.3016 | Wall U 100 profile with 0.60 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU100) | m | On the job | 16,30 |
| 10.201.3001 | Ceiling U28 profile with 0.55 mm thickness and min. 27 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥100N/mm², ≥Z100 (TU28) | m | On the job | 5,40 |
| 10.201.3002 | Ceiling C 60 profile with 60x27 mm minimum size, 0.55 mm minimum thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥100N/mm², ≥Z100 (TC60) | m | On the job | 9,50 |
| 10.201.3003 | Wall C 50 profile with 0.55 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥100N/mm², ≥Z100 (DC50) | m | On the job | 11,80 |
| 10.201.3004 | Wall C 50 profile with 0.90 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DC50) | m | On the job | 18,00 |
| 10.201.3005 | Wall C 75 profile with 0.55 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥100N/mm², ≥Z100 (DC75) | m | On the job | 13,80 |
| 10.201.3006 | Wall C 75 profile with 0.90 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DC100) | m | On the job | 21,30 |
| 10.201.3007 | Wall C 100 profile with 0.55 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥100N/mm², ≥Z100 (DC100) | m | On the job | 15,70 |
| 10.201.3008 | Wall C 100 profile with 0.90 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DC100) | m | On the job | 28,00 |
| 10.201.3009 | Wall C 125 profile with 0.50 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC100) | m | On the job | 16,20 |
| 10.201.3010 | Wall C 125 profile with 0.60 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC125) | m | On the job | 19,20 |
| 10.201.3011 | Wall C 125 profile with 0.90 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DC125) | m | On the job | 30,40 |
| 10.201.3012 | Wall C 150 profile with 0.50 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC150) | m | On the job | 18,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.201.3013 | Wall C 150 profile with 0.60 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DC150) | m | On the job | 21,00 |
| 10.201.3014 | Wall C 150 profile with 0.90 mm minimum thickness and 47 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DC150) | m | On the job | 33,00 |
| 10.201.3015 | Wall U 125 profile with 0.50 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU125) | m | On the job | 14,40 |
| 10.201.3016 | Wall U 125 profile with 0.60 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU125) | m | On the job | 16,80 |
| 10.201.3017 | Wall U 125 profile with 0.90 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DU125) | m | On the job | 26,00 |
| 10.201.3018 | Wall U 150 profile with 0.50 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU150) | m | On the job | 16,00 |
| 10.201.3019 | Wall U 150 profile with 0.60 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU150) | m | On the job | 19,00 |
| 10.201.3020 | Wall U 150 profile with 0.90 mm minimum thickness and 38 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (DU150) | m | On the job | 29,50 |
| 10.202.3001 | Wall U 50 profile with 2 mm minimum thickness and 40 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU50) | m | On the job | 57,00 |
| 10.202.3002 | Wall U 75 profile with 2 mm minimum thickness and 40 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU75) | m | On the job | 67,00 |
| 10.202.3003 | Wall U 100 profile with 2 mm minimum thickness and 40 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (DU100) | m | On the job | 78,00 |
| | **MECHANICAL INSTALLATION COMPONENTS FOR GYPSUM BOARDS** | | | |
| 10.200.3021 | Perforated corner profile with 0.35 mm minimum thickness and 23 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | m | On the job | 2,90 |
| 10.200.3022 | Perforated corner profile with 0.40 mm minimum thickness and 25 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | m | On the job | 3,40 |
| 10.200.3023 | Clips with 7.5 cm length, 0.8 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 0,60 |
| 10.200.3024 | T-profile hanging bracket with 11.5 cm length, >1 mm thickness, and stainless steel spring, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 2,50 |
| 10.200.3025 | C-profile hanging bracket with 11.5 cm length, >1 mm thickness, and stainless steel spring, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 3,35 |
| 10.200.3026 | Attachment fitting with 9 cm length, 0.6 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 1,40 |
| 10.200.3027 | U-nail with 7.5 cm length, 1 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 1,40 |
| 10.200.3028 | U-nail with 12 cm length, 1 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 2,10 |
| 10.200.3029 | U-nail with 20 cm length, 1 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 3,20 |
| 10.200.3030 | U-nail screw (made of carbon steel, chrome-coated, with pointy ends, any size) box (500 pcs.) | Box | On the job | 39,00 |
| 10.200.3031 | Joint tape (made of fiberglass, self-adhesive, width: 5 cm) | m | On the job | 0,39 |
| 10.200.3032 | Insulation tape (made of 3-mm polyethylene, self-adhesive, width: 5 cm) | m | On the job | 0,62 |
| 10.200.3033 | Insulation tape (made of 3-mm polyethylene, self-adhesive, width: 7.5 cm) | m | On the job | 1,25 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.3034 | Insulation tape (made of 3-mm polyethylene, self-adhesive, width: 10 cm) | m | On the job | 1,70 |
| 10.201.3021 | U-L 50 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (UA-L50) | Qty | On the job | 9,40 |
| 10.201.3022 | U-L 75 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (UA-L50) | Qty | On the job | 12,40 |
| 10.201.3023 | U-L 100 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 (UA-L50) | Qty | On the job | 14,00 |
| 10.201.3024 | Nut bolt for U-L fasteners | Qty | On the job | 1,05 |
| 10.201.3025 | L 50 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (L50) | Qty | On the job | 6,40 |
| 10.201.3026 | L 75 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (L75) | Qty | On the job | 6,70 |
| 10.201.3027 | L 100 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (L100) | Qty | On the job | 8,20 |
| 10.201.3028 | L 125 fastener, 2 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 (L125) | Qty | On the job | 9,00 |
| 10.201.3029 | T profile, 0.90 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z275 | m | On the job | 21,00 |
| 10.201.3030 | Perforated aluminum corner profile, 0.35 mm thickness, min. 23 mm side wall height | m | On the job | 2,40 |
| 10.201.3031 | Double Clips with min. 60x27 mm size and 1.00 mm thickness, made of hot-dip galvanized steel sheet with a min. yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 0,83 |
| 10.201.3032 | Adjustable angle attachment fitting with 9 cm length, 0.6 mm thickness, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | Qty | On the job | 1,12 |
| 10.201.3033 | Joint tape (made of fiberglass, width: 5 cm) | m | On the job | 0,16 |
| 10.201.3034 | Joint tape (made of fiberglass, self-adhesive, width: 10 cm) | m | On the job | 0,39 |
| 10.201.3035 | Joint tape (made of paper, 5 cm) | m | On the job | 0,39 |
| | **SUSPENDED CEILING CARRIER METAL PROFILE SYSTEMS AND MECHANICAL INSTALLATION COMPONENTS (TS EN 13964)** | | | |
| | **1- Aluminum, for metal suspended ceilings** | | | |
| 10.200.3051 | Concealed carrier profile (clip-in system)<br>(min. 0.50-mm-thick, made of hot-dip galvanized sheet metal) (for aluminum and metal suspended ceilings) | m | On the job | 6,50 |
| 10.200.3052 | Concealed carrier profile (clip-in system)<br>(min. 0.60-mm-thick, made of hot-dip galvanized sheet metal) (for aluminum and metal suspended ceilings) | m | On the job | 7,00 |
| 10.200.3053 | Clip-in aluminum edge C-profile<br>(min. 1.00-mm-thick, in any size, and electrostatically or factory coated) | m | On the job | 11,00 |
| 10.200.3054 | Sheet metal C-profile of the clip-in system<br>(min. 0.50-mm-thick, in any size, made of hot-dip galvanized sheet metal, and electrostatically or factory coated) | m | On the job | 8,40 |
| 10.200.3055 | Carrier attachment<br>(made of min. 0.50-mm-thick, made of hot-dip galvanized sheet metal plate and 4-mm-thick galvanized bar) | Qty | On the job | 1,05 |
| 10.200.3056 | Attachment clip<br>(Profile attachment made of 0.50-mm-thick spring steel plate or min. 2-mm-thick spring steel) | Qty | On the job | 1,25 |
| 10.200.3057 | Press clip<br>(made of 0.50-mm-thick spring steel) | Qty | On the job | 1,15 |
| 10.200.3058 | Lamellar suspended ceiling carrier profile<br>(made of min. 0.50-mm-thick hot-dip galvanized sheet metal (oven-dried paint) with 1 cm joints) | m | On the job | 9,00 |
| 10.200.3059 | Lamellar suspended ceiling carrier profile<br>(made of min. 0.50-mm-thick hot-dip galvanized sheet metal (oven-dried paint) with 1.5 cm joints) | m | On the job | 11,00 |
| 10.200.3060 | Lamellar suspended ceiling carrier profile<br>(made of min. 0.50-mm-thick hot-dip galvanized sheet metal (oven-dried paint) with 2 cm joints) | m | On the job | 11,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.3061 | Lamellar suspended ceiling carrier profile<br>(made of min. 0.50-mm-thick hot-dip galvanized sheet metal (oven-dried paint) self-jointed) | m | On the job | 11,00 |
| 10.200.3062 | 15-mm-wide, min. 0.50-mm-thick aluminum joint strip | m | On the job | 5,60 |
| 10.200.3063 | 20-mm-wide, min. 0.50-mm-thick aluminum joint strip | m | On the job | 5,80 |
| 10.200.3064 | Edge L profile made of 0.50-mm-thick hot-dip galvanized sheet metal (oven-dried paint) self-jointed | m | On the job | 5,80 |
| 10.200.3065 | Edge U profile made of 0.50-mm-thick hot-dip galvanized sheet metal (oven-dried paint) self-jointed | m | On the job | 8,30 |
| | **2- Rock wool (mineral fiber) fiberglass, aluminum, metal plaster board and similar other types of suspended ceiling<br>(polyester-based electrostatic powder-coated) (including 3071 ... 3128)** | | | |
| | **24-mm-WIDE MAIN CARRIER T PROFILES** | | | |
| 10.200.3071 | Profile with 0.40-mm thickness, and h=38-mm height | m | On the job | 7,20 |
| 10.200.3072 | Profile with 0.30-mm thickness, and h=38-mm height | m | On the job | 6,00 |
| 10.200.3073 | Corrosion-resistant profile with 0.30-mm thickness, and h=38-mm height | m | On the job | 11,50 |
| 10.200.3074 | Corrosion-resistant profile with 0.40-mm thickness, and h=38-mm height | m | On the job | 12,40 |
| | **35-mm-WIDE MAIN CARRIER T PROFILES** | | | |
| 10.200.3081 | Profile with 0.30-mm thickness, and h=38-mm height | m | On the job | 18,00 |
| | **24-mm-WIDE INTERMEDIATE CARRIER T PROFILES** | | | |
| 10.200.3091 | Profile with 0.40-mm thickness, and h=30-mm height | m | On the job | 10,50 |
| 10.200.3092 | Profile with steel clip head, 0.30-mm thickness, and h=30 to 32-mm height | m | On the job | 8,20 |
| 10.200.3093 | Profile with steel clip head, 0.30-mm thickness, and h=25-mm height | m | On the job | 9,00 |
| 10.200.3094 | Corrosion-resistant profile with steel clip head, 0.30-mm thickness, and h=32-mm height | m | On the job | 8,20 |
| 10.200.3095 | Corrosion-resistant profile with steel clip head, 0.40-mm thickness, and h=32-mm height | m | On the job | 11,00 |
| 10.200.3096 | Corrosion-resistant profile with steel clip head, 0.30-mm thickness, and h=25-mm height | m | On the job | 9,30 |
| 10.200.3097 | Corrosion-resistant profile with steel clip head, 0.40-mm thickness, and h=25-mm height | m | On the job | 10,80 |
| | **35-mm-WIDE INTERMEDIATE CARRIER T PROFILES** | | | |
| 10.200.3101 | Profile with 0.30-mm thickness, and h=38-mm height | m | On the job | 16,80 |
| | **15-mm-WIDE MAIN CARRIER T PROFILES** | | | |
| 10.200.3111 | Profile with 0.40-mm thickness, and h=38-mm height | m | On the job | 9,00 |
| 10.200.3112 | Profile with 0.30-mm thickness, and h=32-mm height | m | On the job | 8,20 |
| 10.200.3113 | Profile with 0.40-mm thickness, and h=32-mm height | m | On the job | 8,20 |
| 10.200.3114 | Grooved profile with 0.30-mm thickness, and h=45-mm height | m | On the job | 20,00 |
| 10.200.3115 | Profile with 0.40-mm thickness, and h=45-mm height | m | On the job | 20,00 |
| | **15-mm-WIDE INTERMEDIATE CARRIER T PROFILES** | | | |
| 10.200.3121 | Profile with 0.40-mm thickness, and h=30-mm height | m | On the job | 9,40 |
| 10.200.3122 | Profile with steel clip head, 0.30-mm thickness, and h=32-mm height | m | On the job | 9,00 |
| 10.200.3123 | Grooved profile with 0.30-mm thickness, and h=45-mm height | m | On the job | 21,50 |
| 10.200.3124 | Grooved profile with 0.40-mm thickness, and h=45-mm height | m | On the job | 23,00 |
| 10.200.3125 | Edge L-profile (0.50 mm thickness) | m | On the job | 5,20 |
| 10.200.3126 | Edge L-profile<br>0.50-mm-thick, corrosion-resistant | m | On the job | 10,30 |
| 10.200.3127 | Edge Z-profile (0.40 mm - 0.60 mm thickness) | m | On the job | 7,50 |
| 10.200.3128 | Edge Z-profile (0.50 mm - 0.70 mm thickness) | m | On the job | 11,20 |
| 10.200.3129 | Suspension bar, 40 cm<br>(4-mm galvanized bar, length: 40 cm) | Qty | On the job | 0,55 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.3130 | Suspension bar, 50 cm<br>(4-mm galvanized bar, length: 50 cm) | Qty | On the job | 0,90 |
| 10.200.3131 | Suspension bar, 60 cm<br>(4-mm galvanized bar, length: 60 cm) | Qty | On the job | 0,95 |
| 10.200.3132 | Suspension bar, 80 cm<br>(4-mm galvanized bar, length: 80 cm) | Qty | On the job | 1,15 |
| 10.200.3133 | Suspension bar, 100 cm<br>(4-mm galvanized bar, length: 100 cm) | Qty | On the job | 1,35 |
| 10.200.3134 | Suspension bar, 120 cm<br>(4-mm galvanized bar, length: 120 cm) | Qty | On the job | 1,70 |
| 10.200.3135 | Suspension bar, above 120 cm<br>(4-mm galvanized bar, length: above 120 cm) | Qty | On the job | 1,95 |
| 10.200.3136 | Double spring (made of 0.60-mm-thick spring steel, coated with phosphate and similar materials) | Qty | On the job | 1,10 |
| 10.200.3137 | Steel dowel pin<br>(including 6 x 45 screws, barrels, angle irons and nuts) | Qty | On the job | 1,05 |
| | **GYPSUM PLASTER PROFILE** | | | |
| 10.200.3141 | Gypsum plaster corner profile with ≥ 0.40 mm minimum thickness and 35 mm side wall height, made of hot-dip galvanized steel sheet with a minimum yield strength of ≥140N/mm², ≥Z100 | m | On the job | 2,50 |
| | **SQUARE AND RECTANGULAR PROFILE STEEL PIPES (TS EN 10305-5)** | | | |
| 10.200.3601 | (average prices of the items no. 04.292/1, 04.292/2, 04.292/4 and 04.292/11 per kg are considered) | Kg | Factory | 17,25 |
| 10.200.3602 | 10 x 10 x 1.0 mm | m | Factory | 6,30 |
| 10.200.3603 | 15 x 15 x 1.0 mm | m | Factory | 7,30 |
| 10.200.3604 | 20 x 20 x 1.0 mm | m | Factory | 9,80 |
| 10.200.3605 | 25 x 25 x 1.0 mm | m | Factory | 12,50 |
| 10.200.3606 | 25 x 25 x 1.2 mm | m | Factory | 14,80 |
| 10.200.3607 | 30 x 30 x 1.0 mm | m | Factory | 15,00 |
| 10.200.3608 | 30 x 30 x 1.2 mm | m | Factory | 17,40 |
| 10.200.3609 | 30 x 30 x 1.5 mm | m | Factory | 20,00 |
| 10.200.3610 | 40 x 40 x 1.5 mm | m | Factory | 27,00 |
| 10.200.3611 | 40 x 40 x 2.0 mm | m | Factory | 31,50 |
| 10.200.3612 | 50 x 50 x 2.0 mm | m | Factory | 40,00 |
| 10.200.3613 | 10 x 20 x 1.0 mm | m | Factory | 7,50 |
| 10.200.3614 | 10 x 30 x 1.0 mm | m | Factory | 9,80 |
| 10.200.3615 | 15 x 25 x 1.0 mm | m | Factory | 9,80 |
| 10.200.3616 | 20 x 30 x 1.0 mm | m | Factory | 12,10 |
| 10.200.3617 | 20 x 40 x 1.0 mm | m | Factory | 15,00 |
| 10.200.3618 | 20 x 40 x 1.5 mm | m | Factory | 20,00 |
| 10.200.3619 | 30 x 40 x 1.5 mm | m | Factory | 23,50 |
| 10.200.3620 | 30 x 50 x 1.5 mm | m | Factory | 27,00 |
| 10.200.3621 | 30 x 50 x 2.0 mm | m | Factory | 31,50 |
| 10.200.3622 | 40 x 60 x 2.0 mm | m | Factory | 40,00 |
| | **STEEL WIRES, THORONS AND BARS FOR PRESTRESSED CONCRETE** | | | |
| 10.200.3701 | Prestressing wire (Plain surface) (Ø4 - 12 mm)<br>(TS 3721) | Kg | Factory | 15,50 |
| 10.200.3702 | Prestressing wire (Notched surface) (Ø4 - 12 mm)<br>(TS 3721) | Kg | Factory | 16,00 |
| 10.200.3703 | Prestressing wire (Ø0.5 inches) (Type 270 K)<br>(TS EN 1537) | Kg | Factory | 17,50 |
| 10.200.3704 | Prestressing wire (Ø0.6 inches and above) (Type 270 K)<br>(TS EN 1537) | Kg | Factory | 17,50 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **FACADE MECHANICAL INSTALLATION COMPONENTS** | | | |
| | **1- U-profile (stainless steel AISI 304)** | | | |
| 10.200.3801 | 35/35/3 mm | m | On the job | 160,00 |
| 10.200.3802 | 40/30/3 mm | m | On the job | 148,00 |
| 10.200.3803 | 40/40/3 mm | m | On the job | 184,00 |
| 10.200.3804 | 50/50/3 mm | m | On the job | 235,00 |
| 10.200.3805 | 40/40/4 mm | m | On the job | 238,00 |
| 10.200.3806 | 50/50/4 mm | m | On the job | 300,00 |
| 10.200.3807 | 50/50/5 mm | m | On the job | 360,00 |
| | **2- U-profile (ST 37 hot-dip galvanized)** | | | |
| 10.200.3821 | 35/35/3 mm | m | On the job | 47,00 |
| 10.200.3822 | 40/30/3 mm | m | On the job | 45,00 |
| 10.200.3823 | 40/40/3 mm | m | On the job | 53,00 |
| 10.200.3824 | 50/50/3 mm | m | On the job | 69,00 |
| 10.200.3825 | 40/40/4 mm | m | On the job | 69,00 |
| 10.200.3826 | 50/50/4 mm | m | On the job | 87,00 |
| 10.200.3827 | 50/50/5 mm | m | On the job | 109,00 |
| | **3- L-profile (stainless steel AISI 304)** | | | |
| 10.200.3841 | 30/30/3 mm | m | On the job | 91,00 |
| 10.200.3842 | 40/40/3 mm | m | On the job | 122,00 |
| 10.200.3843 | 50/50/3 mm | m | On the job | 178,00 |
| 10.200.3844 | 40/40/4 mm | m | On the job | 166,00 |
| 10.200.3845 | 50/50/4 mm | m | On the job | 208,00 |
| 10.200.3846 | 50/50/5 mm | m | On the job | 258,00 |
| | **4- L-profile (ST 37 hot-dip galvanized)** | | | |
| 10.200.3861 | 30/30/3 mm | m | On the job | 27,80 |
| 10.200.3862 | 40/40/3 mm | m | On the job | 37,50 |
| 10.200.3863 | 50/50/3 mm | m | On the job | 51,70 |
| 10.200.3864 | 40/40/4 mm | m | On the job | 47,50 |
| 10.200.3865 | 50/50/4 mm | m | On the job | 59,00 |
| 10.200.3866 | 50/50/5 mm | m | On the job | 71,00 |
| | **5- L-console (stainless steel AISI 304)** | | | |
| 10.200.3881 | 50/60 x 120 x 3 mm | Qty | On the job | 23,90 |
| 10.200.3882 | 50/80 x 120 x 4 mm | Qty | On the job | 37,50 |
| 10.200.3883 | 50/100 x 120 x 4 mm | Qty | On the job | 43,70 |
| 10.200.3884 | 60/120 x 120 x 5 mm | Qty | On the job | 63,00 |
| 10.200.3885 | 60/140 x 120 x 5 mm | Qty | On the job | 69,00 |
| | **6- L-console (ST 37 hot-dip galvanized)** | | | |
| 10.200.3901 | 50/60 x 120 x 3 mm | Qty | On the job | 9,00 |
| 10.200.3902 | 50/80 x 120 x 4 mm | Qty | On the job | 14,00 |
| 10.200.3903 | 50/100 x 120 x 4 mm | Qty | On the job | 16,00 |
| 10.200.3904 | 60/120 x 120 x 5 mm | Qty | On the job | 23,00 |
| 10.200.3905 | 60/140 x 120 x 5 mm | Qty | On the job | 26,00 |
| | **7-Z anchor (stainless steel AISI 304)** | | | |
| 10.200.3921 | 30 x 3 x Y20 mm | Qty | On the job | 5,90 |
| 10.200.3922 | 30 x 3 x Y40 mm | Qty | On the job | 8,70 |
| 10.200.3923 | 30 x 3 x Y60 mm | Qty | On the job | 10,30 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.3924 | 30 x 3 x Y80 mm | Qty | On the job | 12,90 |
| 10.200.3925 | 30 x 3 x Y100 mm | Qty | On the job | 14,20 |
| 10.200.3926 | 30 x 4 x Y20 mm | Qty | On the job | 8,70 |
| 10.200.3927 | 30 x 4 x Y40 mm | Qty | On the job | 11,90 |
| 10.200.3928 | 30 x 4 x Y60 mm | Qty | On the job | 13,50 |
| 10.200.3929 | 30 x 4 x Y80 mm | Qty | On the job | 15,90 |
| 10.200.3930 | 30 x 4 x Y100 mm | Qty | On the job | 18,40 |
| 10.200.3931 | 30 x 5 x Y20 mm | Qty | On the job | 10,90 |
| 10.200.3932 | 30 x 5 x Y40 mm | Qty | On the job | 13,50 |
| 10.200.3933 | 30 x 5 x Y60 mm | Qty | On the job | 17,40 |
| 10.200.3934 | 30 x 5 x Y80 mm | Qty | On the job | 20,00 |
| 10.200.3935 | 30 x 5 x Y100 mm | Qty | On the job | 23,00 |
| 10.200.3936 | 40 x 5 x Y20 mm | Qty | On the job | 13,50 |
| 10.200.3937 | 40 x 5 x Y40 mm | Qty | On the job | 18,50 |
| 10.200.3938 | 40 x 5 x Y60 mm | Qty | On the job | 22,00 |
| 10.200.3939 | 40 x 5 x Y80 mm | Qty | On the job | 25,50 |
| 10.200.3940 | 40 x 5 x Y100 mm | Qty | On the job | 30,50 |
| | **8- L-anchor (stainless steel AISI 304)** | | | |
| 10.200.3951 | 30 x 30/30 x3 mm | Qty | On the job | 4,75 |
| 10.200.3952 | 30 x 30/40 x 3 mm | Qty | On the job | 5,30 |
| 10.200.3953 | 30 x 30/50 x 3 mm | Qty | On the job | 5,55 |
| 10.200.3954 | 30 x 40/40 x 3 mm | Qty | On the job | 5,55 |
| 10.200.3955 | 30 x 40/50 x 3 mm | Qty | On the job | 6,00 |
| 10.200.3956 | 30 x 30/30 x 4 mm | Qty | On the job | 5,55 |
| 10.200.3957 | 30 x 30/40 x 4 mm | Qty | On the job | 6,30 |
| 10.200.3958 | 30 x 30/50 x 4 mm | Qty | On the job | 7,10 |
| 10.200.3959 | 30 x 40/40 x 4 mm | Qty | On the job | 7,10 |
| | **9- Grouted anchor (Flat bar) (stainless steel AISI 304)** | | | |
| 10.200.3971 | 18 x 130 x 2.5 mm | Qty | On the job | 4,75 |
| 10.200.3972 | 20 x 100 x 2.5 mm | Qty | On the job | 3,85 |
| 10.200.3973 | 20 x 130 x 2.5 mm | Qty | On the job | 5,15 |
| 10.200.3974 | 20 x 150 x 2.5 mm | Qty | On the job | 5,55 |
| 10.200.3975 | 20 x 150 x 3 mm | Qty | On the job | 6,40 |
| 10.200.3976 | 20 x 180 x 3 mm | Qty | On the job | 7,60 |
| 10.200.3977 | 20 x 200 x 3 mm | Qty | On the job | 8,40 |
| | **10- Grouted anchor (rod) (stainless steel AISI 304)** | | | |
| 10.200.3991 | Ø5 x 150 mm | Qty | On the job | 1,90 |
| 10.200.3992 | Ø6 x 150 mm | Qty | On the job | 2,80 |
| 10.200.3993 | Ø6 x 200 mm | Qty | On the job | 3,60 |
| 10.200.3994 | Ø8 x 150 mm | Qty | On the job | 4,70 |
| | **11- Jacketed dowel pin (stainless steel, AISI 304)** | | | |
| 10.200.4001 | M6 x 80 mm | Qty | On the job | 3,70 |
| 10.200.4002 | M6 x 100 mm | Qty | On the job | 4,20 |
| 10.200.4003 | M8 x 80 mm | Qty | On the job | 5,50 |
| 10.200.4004 | M8 x 100 mm | Qty | On the job | 6,00 |
| 10.200.4005 | M10 x 80 mm | Qty | On the job | 8,40 |
| 10.200.4006 | M10 x 100 mm | Qty | On the job | 9,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.4007 | M10 x 120 mm | Qty | On the job | 10,00 |
| | **12- Jacketed dowel pin (ST 37, electrolytically galvanized)** | | | |
| 10.200.4021 | M6 x 80 mm | Qty | On the job | 1,60 |
| 10.200.4022 | M6 x 100 mm | Qty | On the job | 1,85 |
| 10.200.4023 | M8 x 80 mm | Qty | On the job | 2,30 |
| 10.200.4024 | M8 x 100 mm | Qty | On the job | 2,55 |
| 10.200.4025 | M10 x 80 mm | Qty | On the job | 3,20 |
| 10.200.4026 | M10 x 100 mm | Qty | On the job | 3,50 |
| 10.200.4027 | M10 x 120 mm | Qty | On the job | 3,75 |
| | **13- Clip-on dowel pin (stainless steel, AISI 304)** | | | |
| 10.200.4041 | M6 x 65 mm | Qty | On the job | 4,00 |
| 10.200.4042 | M6 x 80 mm | Qty | On the job | 4,00 |
| 10.200.4043 | M6 x 100 mm | Qty | On the job | 4,75 |
| 10.200.4044 | M8 x 70 mm | Qty | On the job | 5,40 |
| 10.200.4045 | M8 x 80 mm | Qty | On the job | 5,65 |
| 10.200.4046 | M8 x 100 mm | Qty | On the job | 6,95 |
| 10.200.4047 | M10 x 90 mm | Qty | On the job | 10,40 |
| 10.200.4048 | M10 x 120 mm | Qty | On the job | 12,60 |
| 10.200.4049 | M12 x 110 mm | Qty | On the job | 16,50 |
| 10.200.4050 | M12 x 120 mm | Qty | On the job | 17,00 |
| 10.200.4051 | M16 x 145 mm | Qty | On the job | 37,00 |
| | **14- Clip-on dowel pin (ST 37, electrolytically galvanized)** | | | |
| 10.200.4061 | M6 x 65 mm | Qty | On the job | 1,60 |
| 10.200.4062 | M6 x 80 mm | Qty | On the job | 1,90 |
| 10.200.4063 | M6 x 100 mm | Qty | On the job | 2,20 |
| 10.200.4064 | M8 x 70 mm | Qty | On the job | 2,55 |
| 10.200.4065 | M8 x 80 mm | Qty | On the job | 2,55 |
| 10.200.4066 | M8 x 100 mm | Qty | On the job | 2,90 |
| 10.200.4067 | M10 x 90 mm | Qty | On the job | 4,50 |
| 10.200.4068 | M10 x 120 mm | Qty | On the job | 5,10 |
| 10.200.4069 | M12 x 110 mm | Qty | On the job | 6,65 |
| 10.200.4070 | M12 x 120 mm | Qty | On the job | 6,95 |
| 10.200.4071 | M16 x 145 mm | Qty | On the job | 14,70 |
| | **15- Sleeve anchor (stainless steel, AISI 304)** | | | |
| 10.200.4081 | M6 x 60 mm | Qty | On the job | 1,90 |
| 10.200.4082 | M6 x 80 mm | Qty | On the job | 6,65 |
| 10.200.4083 | M8 x 60 mm | Qty | On the job | 8,65 |
| 10.200.4084 | M8 x 80 mm | Qty | On the job | 10,00 |
| 10.200.4085 | M8 x 100 mm | Qty | On the job | 10,70 |
| | **16- Sleeve anchor (ST 37, electrolytically galvanized)** | | | |
| 10.200.4091 | M6 x 60 mm | Qty | On the job | 2,55 |
| 10.200.4092 | M6 x 80 mm | Qty | On the job | 3,20 |
| 10.200.4093 | M8 x 60 mm | Qty | On the job | 4,00 |
| 10.200.4094 | M8 x 80 mm | Qty | On the job | 4,40 |
| 10.200.4095 | M8 x 100 mm | Qty | On the job | 5,00 |
| | **17- Stud anchor (stainless steel, AISI 304)** | | | |
| 10.200.4101 | M8 x 110 mm | Qty | On the job | 7,55 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.4102 | M10 x 130 mm | Qty | On the job | 11,90 |
| 10.200.4103 | M10 x 170 mm | Qty | On the job | 13,30 |
| 10.200.4104 | M12 x 160 mm | Qty | On the job | 19,00 |
| 10.200.4105 | M16 x 190 mm | Qty | On the job | 36,00 |
| 10.200.4106 | M20 x 240 mm | Qty | On the job | 67,00 |
| 10.200.4107 | M24 x 290 mm | Qty | On the job | 112,00 |
| | **18- Stud anchor (ST 37, electrolytically galvanized)** | | | |
| 10.200.4121 | M8 x 110 mm | Qty | On the job | 3,75 |
| 10.200.4122 | M10 x 130 mm | Qty | On the job | 4,75 |
| 10.200.4123 | M10 x 170 mm | Qty | On the job | 5,55 |
| 10.200.4124 | M12 x 160 mm | Qty | On the job | 6,95 |
| 10.200.4125 | M16 x 190 mm | Qty | On the job | 12,90 |
| 10.200.4126 | M20 x 240 mm | Qty | On the job | 23,00 |
| 10.200.4127 | M24 x 290 mm | Qty | On the job | 40,00 |
| | **19- Adjusting arm (stainless steel, AISI 304)** | | | |
| 10.200.4141 | M8 x 50 mm | Qty | On the job | 1,60 |
| 10.200.4142 | M8 x 60 mm | Qty | On the job | 1,90 |
| 10.200.4143 | M8 x 70 mm | Qty | On the job | 1,90 |
| 10.200.4144 | M10 x 50 mm | Qty | On the job | 3,20 |
| 10.200.4145 | M10 x 60 mm | Qty | On the job | 3,40 |
| 10.200.4146 | M10 x 70 mm | Qty | On the job | 4,10 |
| 10.200.4147 | M10 x 80 mm | Qty | On the job | 4,70 |
| 10.200.4148 | M12 x 50 mm | Qty | On the job | 4,50 |
| 10.200.4149 | M12 x 60 mm | Qty | On the job | 5,10 |
| 10.200.4150 | M12 x 70 mm | Qty | On the job | 5,30 |
| 10.200.4151 | M12 x 80 mm | Qty | On the job | 6,00 |
| 10.200.4152 | M14 x 50 mm | Qty | On the job | 6,00 |
| 10.200.4153 | M14 x 60 mm | Qty | On the job | 6,70 |
| 10.200.4154 | M14 x 70 mm | Qty | On the job | 7,20 |
| 10.200.4155 | M14 x 80 mm | Qty | On the job | 8,60 |
| 10.200.4156 | M16 x 50 mm | Qty | On the job | 7,20 |
| 10.200.4157 | M16 x 60 mm | Qty | On the job | 8,60 |
| 10.200.4158 | M16 x 70 mm | Qty | On the job | 9,50 |
| 10.200.4159 | M16 x 80 mm | Qty | On the job | 10,50 |
| | **20- Flanged pin (stainless steel, AISI 304)** | | | |
| 10.200.4171 | Ø4 x 50 mm | Qty | On the job | 0,75 |
| 10.200.4172 | Ø4 x 60 mm | Qty | On the job | 1,10 |
| 10.200.4173 | Ø5 x 50 mm | Qty | On the job | 1,25 |
| 10.200.4174 | Ø5 x 60 mm | Qty | On the job | 1,40 |
| 10.200.4175 | Ø5 x 70 mm | Qty | On the job | 1,60 |
| 10.200.4176 | Ø6 x 60 mm | Qty | On the job | 1,70 |
| 10.200.4177 | Ø6 x 75 mm | Qty | On the job | 1,90 |
| | **21- Lock washer (stainless steel, AISI 304)** | | | |
| 10.200.4181 | 30/22/2.5 mm | Qty | On the job | 1,75 |
| 10.200.4182 | 34/26/3 mm | Qty | On the job | 2,25 |
| | **22- Flat washer (stainless steel, AISI 304)** | | | |
| 10.200.4191 | 30/22/2.5 mm | Qty | On the job | 1,35 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.4192 | 34/26/3 mm | Qty | On the job | 1,90 |
| | **23- Bolt (stainless steel, AISI A2 70)** | | | |
| 10.200.4201 | M6 x 30 mm | Qty | On the job | 0,80 |
| 10.200.4202 | M6 x 60 mm | Qty | On the job | 1,75 |
| 10.200.4203 | M6 x 80 mm | Qty | On the job | 2,00 |
| 10.200.4204 | M8 x 25 mm | Qty | On the job | 1,10 |
| 10.200.4205 | M8 x 30 mm | Qty | On the job | 1,35 |
| 10.200.4206 | M8 x 40 mm | Qty | On the job | 1,75 |
| 10.200.4207 | M8 x 50 mm | Qty | On the job | 1,75 |
| 10.200.4208 | M8 x 60 mm | Qty | On the job | 1,90 |
| 10.200.4209 | M8 x 80 mm | Qty | On the job | 3,35 |
| 10.200.4210 | M8 x 100 mm | Qty | On the job | 3,35 |
| 10.200.4211 | M10 x 30 mm | Qty | On the job | 1,90 |
| 10.200.4212 | M10 x 40 mm | Qty | On the job | 2,20 |
| 10.200.4213 | M10 x 50 mm | Qty | On the job | 2,80 |
| 10.200.4214 | M12 x 30 mm | Qty | On the job | 3,10 |
| 10.200.4215 | M12 x 40 mm | Qty | On the job | 3,40 |
| 10.200.4216 | M12 x 50 mm | Qty | On the job | 4,10 |
| | **24-Bolt (ST 37, electrolytically galvanized)** | | | |
| 10.200.4231 | M6 x 30 mm | Qty | On the job | 0,40 |
| 10.200.4232 | M6 x 60 mm | Qty | On the job | 0,80 |
| 10.200.4233 | M6 x 80 mm | Qty | On the job | 0,80 |
| 10.200.4234 | M8 x 25 mm | Qty | On the job | 0,40 |
| 10.200.4235 | M8 x 30 mm | Qty | On the job | 0,52 |
| 10.200.4236 | M8 x 40 mm | Qty | On the job | 0,58 |
| 10.200.4237 | M8 x 50 mm | Qty | On the job | 0,80 |
| 10.200.4238 | M8 x 60 mm | Qty | On the job | 0,80 |
| 10.200.4239 | M8 x 80 mm | Qty | On the job | 1,10 |
| 10.200.4240 | M8 x 100 mm | Qty | On the job | 1,35 |
| 10.200.4241 | M10 x 30 mm | Qty | On the job | 0,80 |
| 10.200.4242 | M10 x 40 mm | Qty | On the job | 0,95 |
| 10.200.4243 | M10 x 50 mm | Qty | On the job | 1,10 |
| 10.200.4244 | M12 x 30 mm | Qty | On the job | 0,78 |
| 10.200.4245 | M12 x 40 mm | Qty | On the job | 1,10 |
| 10.200.4246 | M12 x 50 mm | Qty | On the job | 1,35 |
| | **25 - Nut (stainless steel AISI A2)** | | | |
| 10.200.4261 | M6 | Qty | On the job | 0,28 |
| 10.200.4262 | M8 | Qty | On the job | 0,53 |
| 10.200.4263 | M10 | Qty | On the job | 1,10 |
| 10.200.4264 | M12 | Qty | On the job | 1,90 |
| 10.200.4265 | M14 | Qty | On the job | 2,80 |
| 10.200.4266 | M16 | Qty | On the job | 4,00 |
| 10.200.4267 | M20 | Qty | On the job | 5,50 |
| 10.200.4268 | M24 | Qty | On the job | 13,00 |
| | **26-Nut (ST 37, electrolytically galvanized)** | | | |
| 10.200.4281 | M6-8 (included) | Qty | On the job | 0,18 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.4282 | M10 | Qty | On the job | 0,52 |
| 10.200.4283 | M12 | Qty | On the job | 0,53 |
| 10.200.4284 | M14 | Qty | On the job | 0,78 |
| 10.200.4285 | M16 | Qty | On the job | 0,78 |
| 10.200.4286 | M20 | Qty | On the job | 2,30 |
| 10.200.4287 | M24 | Qty | On the job | 4,40 |
| | **27-Washer (stainless steel AISI 304)** | | | |
| 10.200.4301 | M6-8 (included) | Qty | On the job | 0,18 |
| 10.200.4302 | M10 | Qty | On the job | 0,39 |
| 10.200.4303 | M12 | Qty | On the job | 0,53 |
| 10.200.4304 | M14 | Qty | On the job | 0,78 |
| 10.200.4305 | M16 | Qty | On the job | 1,10 |
| 10.200.4306 | M20 | Qty | On the job | 2,30 |
| 10.200.4307 | M24 | Qty | On the job | 3,30 |
| | **28-Washer (ST 37, electrolytically galvanized)** | | | |
| 10.200.4321 | M6-14 (including 14) | Qty | On the job | 0,23 |
| 10.200.4322 | M16 | Qty | On the job | 0,39 |
| 10.200.4323 | M20 | Qty | On the job | 0,53 |
| 10.200.4324 | M24 | Qty | On the job | 0,78 |
| | **29- Plastic cylinder** | | | |
| 10.200.4331 | Ø7 x 30 mm | Qty | On the job | 0,39 |
| 10.200.4332 | Ø8 x 35 mm | Qty | On the job | 0,78 |
| | **30- Stainless steel bolts and nuts (AISI 304)** | | | |
| 10.200.4441 | M 20 x 110 | Qty | On the job | 50,00 |
| 10.200.4442 | M 20 x 120 | Qty | On the job | 50,00 |
| 10.200.4443 | M 20 x 130 | Qty | On the job | 53,00 |
| 10.200.4444 | M 20 x 140 | Qty | On the job | 57,00 |
| 10.200.4445 | M 20 x 160 | Qty | On the job | 63,00 |
| 10.200.4446 | M 20 x 180 | Qty | On the job | 69,00 |
| 10.200.4447 | M 27 x 150 | Qty | On the job | 129,00 |
| 10.200.4448 | M 27 x 170 | Qty | On the job | 142,00 |
| 10.200.4449 | M 27 x 220 | Qty | On the job | 183,00 |
| 10.200.4450 | M 30 x 200 | Qty | On the job | 213,00 |
| 10.200.4451 | M 30 x 210 | Qty | On the job | 230,00 |
| 10.200.4452 | M 33 x 220 | Qty | On the job | 278,00 |
| 10.200.4453 | M 33 x 240 | Qty | On the job | 297,00 |
| | **CORE BARREL, SAMPLER, DRILL PIPES, WELL PROTECTION COVERS, ETC.** | | | |
| 10.200.4501 | Core Barrel (drilling) (Core sampling) | Qty | On the job | 3.000,00 |
| 10.200.4502 | Sampler | Qty | On the job | 430,00 |
| 10.200.4503 | Covered drilling pipe (St 33) | Kg | Factory | 10,00 |
| 10.200.4504 | Filter drilling pipe (St 33) | Kg | Factory | 12,30 |
| 10.200.4505 | 3-inch steel pipe (St 37) (TS EN 10255+A1) | Kg | Factory | 18,80 |
| 10.200.4506 | Well protection pipe | m | Factory | 90,00 |
| 10.200.4507 | Iron pipe (Various sizes) | Kg | Factory | 8,10 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.200.4508 | Structural steel pipe with an outside diameter of 48.3 and wall thickness of min. 2.7 mm (TS EN 10219-2) | Kg | Factory | 13,20 |
| | **COATING MATERIALS** | | | |
| | **NATURAL STONES (Honed or polished)** | | | |
| | 1) Prices of the natural stones in the Quotation List are for 2 x 30-40-50 x free dimension in cm. Other dimensions and thickness values shall be calculated by the following formula.<br><br>k = The new coefficient identified,<br>a = width (cm) b = length (cm) h = thickness (cm)<br>k= (k1 x k2) - 1<br>k1= log (a x b)/log (180) - 0.22 (dimension increase coefficient)<br>k2= log (h) / log (6) + 0.61 (thickness increase coefficient)<br><br>Dimension increase coefficient shall be taken k1 = 1 for all free dimensions.<br>k = 1 for 2 x 30-40-50 x free dimension.<br><br>2) The aforementioned formulae for the dimension and thickness increase coefficients;<br>a- Shall not apply to the natural stones with a dimension below 30 cm or both dimensions 60 cm and above (including 60 cm).<br>b- Shall not apply to the thickness values of 2 to 5 cm (including 5 cm). | | | |
| | **WHITE AND GRAY MARBLES (Honed or polished)<br>(TS EN 12057, TS EN 1467, TS EN 1468)** | | | |
| 10.240.1001 | White Marble | m² | On the job | 103,00 |
| 10.240.1002 | Afyon Honey (Afyon) | m² | On the job | 161,00 |
| 10.240.1003 | Afyon White (Afyon) | m² | On the job | 178,00 |
| 10.240.1004 | Afyon Gray (Afyon) | m² | On the job | 87,00 |
| 10.240.1005 | Afyon Tiger Skin (Afyon) | m² | On the job | 87,00 |
| 10.240.1006 | Afyon Cream (Afyon) | m² | On the job | 178,00 |
| 10.240.1007 | Afyon Sugar (Afyon) | m² | On the job | 172,00 |
| 10.240.1008 | Aydın Gray (Aydın) | m² | On the job | 110,00 |
| 10.240.1009 | Bursa Kemalpaşa White (Bursa) | m² | On the job | 124,00 |
| 10.240.1010 | Çanakkale Biga White (Çanakkale) | m² | On the job | 138,00 |
| 10.240.1011 | Çanakkale Pearl (Çanakkale) | m² | On the job | 138,00 |
| 10.240.1012 | Denizli White Marble (Denizli) | m² | On the job | 129,00 |
| 10.240.1013 | Golden Crystal (Balıkesir) | m² | On the job | 140,00 |
| 10.240.1014 | Kale Sugar (Muğla) | m² | On the job | 186,00 |
| 10.240.1015 | Kavaklıdere Silver White (Muğla) | m² | On the job | 98,00 |
| 10.240.1016 | Kütahya Tiger Skin (Kütahya) | m² | On the job | 108,00 |
| 10.240.1017 | Marmara Adası Gray (Balıkesir) | m² | On the job | 118,00 |
| 10.240.1018 | Marmara White (Balıkesir) | m² | On the job | 133,00 |
| 10.240.1019 | Marmara Equator (Balıkesir) | m² | On the job | 274,00 |
| 10.240.1020 | Marmara Silver (Balıkesir) | m² | On the job | 208,00 |
| 10.240.1021 | Marmara Panda (Balıkesir) | m² | On the job | 230,00 |
| 10.240.1022 | Milas (Muğla) | m² | On the job | 138,00 |
| 10.240.1023 | Milas White, Muğla White (Muğla) | m² | On the job | 99,00 |
| 10.240.1024 | Milas Lilac (Muğla) | m² | On the job | 150,00 |
| 10.240.1025 | Milas Lemon (Muğla) | m² | On the job | 98,00 |
| 10.240.1026 | Milas Pearl (Muğla) | m² | On the job | 109,00 |
| 10.240.1027 | Sandıklı White (Afyon) | m² | On the job | 420,00 |
| 10.240.1028 | Uşak White (Uşak) | m² | On the job | 172,00 |
| 10.240.1029 | Afyon Cloud (Gray) (Afyon) | m² | On the job | 138,00 |
| 10.240.1030 | Bianco Leopardo (Aydın) | m² | On the job | 90,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.1031 | Bitlis White (Bitlis) | m² | On the job | 138,00 |
| 10.240.1032 | Savana Gray (Kastamonu) | m² | On the job | 440,00 |
| 10.240.1033 | Silver Gray (Burdur) | m² | On the job | 295,00 |
| 10.240.1034 | Soft Gray (Burdur) | m² | On the job | 555,00 |
| 10.240.1035 | Marmara Extra White (Balıkesir) | m² | On the job | 865,00 |
| 10.240.1036 | Bursa Maroxy (Bursa) | m² | On the job | 125,00 |
| 10.240.1037 | Gray Moca (Elazığ) | m² | On the job | 180,00 |
| 10.240.1038 | Shadow Gray (Balıkesir) | m² | On the job | 188,00 |
| 10.240.1039 | Daphne Gray (Antalya) | m² | On the job | 295,00 |
| 10.240.1040 | Rolek Gray (Kastamonu) | m² | On the job | 320,00 |
| 10.240.1041 | Rain Gray (Balıkesir) | m² | On the job | 190,00 |
| 10.240.1042 | Helen of Troy Gray (Balıkesir) | m² | On the job | 148,00 |
| 10.240.1300 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 33,00 |
| | **BEIGE AND PINK MARBLES (Honed or Polished) (TS EN 12057, TS EN 1467, TS EN 1468)** | | | |
| 10.240.1301 | Light Beige | m² | On the job | 155,00 |
| 10.240.1302 | Dark Beige | m² | On the job | 123,00 |
| 10.240.1303 | Afyon Beige (Afyon) | m² | On the job | 109,00 |
| 10.240.1304 | Amasya Classical Beige (Amasya) | m² | On the job | 143,00 |
| 10.240.1305 | Amasya Regal Beige (Amasya) | m² | On the job | 123,00 |
| 10.240.1306 | Ankara Anatolian Beige, Ankara Kazan Beige, Ankara Hittite Beige (Ankara) | m² | On the job | 138,00 |
| 10.240.1307 | Best Cream (Malatya) | m² | On the job | 173,00 |
| 10.240.1308 | Bilecik Ivory (Bilecik) | m² | On the job | 138,00 |
| 10.240.1309 | Bilecik Light Beige (Bilecik) | m² | On the job | 161,00 |
| 10.240.1310 | Bilecik Dark Beige (Bilecik) | m² | On the job | 150,00 |
| 10.240.1311 | Bilecik Kremabil (Bilecik) | m² | On the job | 240,00 |
| 10.240.1312 | Bilecik Pink (Bilecik) | m² | On the job | 170,00 |
| 10.240.1313 | Bilecik Sugar Beige (Bilecik) | m² | On the job | 123,00 |
| 10.240.1314 | Botticino (Diyarbakır) | m² | On the job | 129,00 |
| 10.240.1315 | Botticino Royal (Diyarbakır) | m² | On the job | 163,00 |
| 10.240.1316 | Burdur Beige (Burdur) | m² | On the job | 174,00 |
| 10.240.1317 | Burdur Cappuccino Beige (Burdur) | m² | On the job | 180,00 |
| 10.240.1318 | Burdur Sunset (Burdur) | m² | On the job | 230,00 |
| 10.240.1319 | Bursa Cream (Bursa) | m² | On the job | 170,00 |
| 10.240.1320 | Bursa Rosa (Bursa) | m² | On the job | 133,00 |
| 10.240.1321 | Bursa Sugar Beige (Bursa) | m² | On the job | 110,00 |
| 10.240.1322 | Bursa Beige (Bursa) | m² | On the job | 123,00 |
| 10.240.1323 | Carmen Rossa (Manisa) | m² | On the job | 185,00 |
| 10.240.1324 | Cream Rose (Bilecik) | m² | On the job | 133,00 |
| 10.240.1325 | Crema Eda (Eskişehir) | m² | On the job | 170,00 |
| 10.240.1326 | Çermik Beige (Diyarbakır) | m² | On the job | 140,00 |
| 10.240.1327 | Çeşme Beige (Izmir) | m² | On the job | 143,00 |
| 10.240.1328 | Çorum Tosya Beige (Çorum) | m² | On the job | 118,00 |
| 10.240.1329 | Denizli Pink (Denizli) | m² | On the job | 118,00 |
| 10.240.1330 | Diyarbakır Hazar Beige (Diyarbakır) | m² | On the job | 125,00 |
| 10.240.1331 | Diyarbakır Hazar Rose (Diyarbakır) | m² | On the job | 125,00 |
| 10.240.1332 | Diyarbakır Hazar Pink (Diyarbakır) | m² | On the job | 140,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.1333 | Diyarbakır Kulp Beige (Diyarbakır) | m² | On the job | 125,00 |
| 10.240.1334 | Diyarbakır Pink (Diyarbakır) | m² | On the job | 125,00 |
| 10.240.1335 | Eflani Beige (Karabük) | m² | On the job | 170,00 |
| 10.240.1336 | Erzincan Beige (Erzincan) | m² | On the job | 143,00 |
| 10.240.1337 | Erzincan Beige, Green Striped (Erzincan) | m² | On the job | 133,00 |
| 10.240.1338 | Eskişehir Beige, Sivrihisar Whipped Cream Beige (Eskişehir) | m² | On the job | 110,00 |
| 10.240.1339 | Dusty Rose (Bilecik) | m² | On the job | 118,00 |
| 10.240.1340 | Hani Beige (Diyarbakır) | m² | On the job | 114,00 |
| 10.240.1341 | Harmankaya Pink (Bilecik) | m² | On the job | 155,00 |
| 10.240.1342 | Karia Cream (Burdur) | m² | On the job | 208,00 |
| 10.240.1343 | Lice Beige (Diyarbakır) | m² | On the job | 155,00 |
| 10.240.1344 | Lotus Beige Dark (Bilecik) | m² | On the job | 170,00 |
| 10.240.1345 | Lotus Beige Light (Bilecik) | m² | On the job | 200,00 |
| 10.240.1346 | Lotus Cream (Bilecik) | m² | On the job | 208,00 |
| 10.240.1347 | Lotus Rosalia (Bilecik) | m² | On the job | 170,00 |
| 10.240.1348 | Malatya Beige (Malatya) | m² | On the job | 170,00 |
| 10.240.1349 | Olive Maroon (Bursa) | m² | On the job | 125,00 |
| 10.240.1350 | Perlato Giallo (Malatya) | m² | On the job | 170,00 |
| 10.240.1351 | Perlato Rosa (Malatya) | m² | On the job | 150,00 |
| 10.240.1352 | Rosalina (Bilecik) | m² | On the job | 133,00 |
| 10.240.1353 | Rosalia Classic (Bilecik) | m² | On the job | 114,00 |
| 10.240.1354 | Rosalia Light (Bilecik) | m² | On the job | 140,00 |
| 10.240.1355 | Samsun Beige (Samsun) | m² | On the job | 118,00 |
| 10.240.1356 | Sivrihisar Pink (Eskişehir) | m² | On the job | 125,00 |
| 10.240.1357 | Yozgat Rosato Beige (Yozgat) | m² | On the job | 118,00 |
| 10.240.1358 | Sivrihisar Coffee Beige (Eskişehir) | m² | On the job | 89,00 |
| 10.240.1359 | Royal Cappuccino (Antalya) | m² | On the job | 99,00 |
| 10.240.1360 | Silky Gray (Antalya) | m² | On the job | 125,00 |
| 10.240.1361 | Royal Amber (Cream) Antalya | m² | On the job | 118,00 |
| 10.240.1362 | Cappuccino (Beige) (Bilecik) | m² | On the job | 89,00 |
| 10.240.1363 | Likya Beige (Burdur) | m² | On the job | 99,00 |
| 10.240.1364 | Crema Likya Beige (Burdur) | m² | On the job | 118,00 |
| 10.240.1365 | Burdur Brown (Red) (Burdur) | m² | On the job | 118,00 |
| 10.240.1366 | Flamingo (Pink) (Burdur) | m² | On the job | 92,00 |
| 10.240.1367 | New Botticino (Beige) (Diyarbakır) | m² | On the job | 140,00 |
| 10.240.1368 | Düzce Beige (Düzce) | m² | On the job | 125,00 |
| 10.240.1369 | Cremera Beige (Mersin) | m² | On the job | 125,00 |
| 10.240.1370 | Cremasiva Beige (Mersin) | m² | On the job | 110,00 |
| 10.240.1371 | Chamomile (Yellow) (Eskişehir) | m² | On the job | 193,00 |
| 10.240.1372 | Balboura Beige (Cream, Red, Green) (Muğla) | m² | On the job | 82,00 |
| 10.240.1373 | Crema Barla (Beige) (Isparta) | m² | On the job | 168,00 |
| 10.240.1374 | Senirkent Beige (Light Beige) (Isparta) | m² | On the job | 144,00 |
| 10.240.1375 | Emelas Beige Marble (Izmir) | m² | On the job | 140,00 |
| 10.240.1376 | Diana Rose (Beige Pink) (Konya) | m² | On the job | 140,00 |
| 10.240.1377 | Nova Beige (Light Beige) (Mersin) | m² | On the job | 110,00 |
| 10.240.1378 | Light Beige (Siirt) | m² | On the job | 110,00 |
| 10.240.1379 | Golden Beige (Darende Beige) (Malatya) | m² | On the job | 267,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.1380 | Bitlis Beige (Bitlis) | m² | On the job | 110,00 |
| 10.240.1381 | Golden Emperador Beige (Bilecik) | m² | On the job | 89,00 |
| 10.240.1382 | Tawny Beige (Bursa) | m² | On the job | 350,00 |
| 10.240.1383 | Cappuccino Light (Bursa) | m² | On the job | 285,00 |
| 10.240.1384 | Cafe Latte Dark (Bursa) | m² | On the job | 350,00 |
| 10.240.1385 | Moca Dark Beige (Bursa) | m² | On the job | 322,00 |
| 10.240.1386 | Apple Beige (Antalya) | m² | On the job | 423,00 |
| 10.240.1387 | Myra Beige (Bursa) | m² | On the job | 423,00 |
| 10.240.1388 | Prince Beige (Antalya) | m² | On the job | 423,00 |
| 10.240.1389 | Afyon Cream Beige (Afyon) | m² | On the job | 212,00 |
| 10.240.1390 | Afyon Yellow Beige (Afyon) | m² | On the job | 230,00 |
| 10.240.1391 | Orient Pink (Diyarbakır) | m² | On the job | 166,00 |
| 10.240.1392 | Koky Beige (Diyarbakır) | m² | On the job | 181,00 |
| 10.240.1393 | Christine (Diyarbakır) | m² | On the job | 158,00 |
| 10.240.1394 | Adara Cream (Kahramanmaraş) | m² | On the job | 193,00 |
| 10.240.1395 | Sand Wave (Diyarbakır) | m² | On the job | 160,00 |
| 10.240.1396 | Diyarbakır Beige (Diyarbakır) | m² | On the job | 150,00 |
| 10.240.1397 | Ancient Beige (Burdur) | m² | On the job | 160,00 |
| 10.240.1398 | Calista Cream (Burdur) | m² | On the job | 215,00 |
| 10.240.1399 | Daino Reale (Burdur) | m² | On the job | 181,00 |
| 10.240.1400 | Cafe Latte (Isparta) | m² | On the job | 160,00 |
| 10.240.1401 | Agora Beige (Manisa) | m² | On the job | 371,00 |
| 10.240.1402 | Mink Beige (Manisa) | m² | On the job | 230,00 |
| 10.240.1403 | Crema Carita (Burdur) | m² | On the job | 193,00 |
| 10.240.1404 | Hammer Beige (Burdur) | m² | On the job | 140,00 |
| 10.240.1405 | Crema Dorlion (Bursa) | m² | On the job | 125,00 |
| 10.240.1406 | Beige Moca (Elazığ) | m² | On the job | 140,00 |
| 10.240.1407 | Van Beige (Van) | m² | On the job | 166,00 |
| 10.240.1408 | Likya Royal (Burdur) | m² | On the job | 185,00 |
| 10.240.1409 | Likya Pearl (Burdur) | m² | On the job | 200,00 |
| 10.240.1410 | Lily (Burdur) | m² | On the job | 200,00 |
| 10.240.1411 | Crema Nouva (Bilecik) | m² | On the job | 125,00 |
| 10.240.1412 | Sahara Beige (Amasya) | m² | On the job | 110,00 |
| 10.240.1413 | Apple Beige (Amasya) | m² | On the job | 110,00 |
| 10.240.1414 | Sand Beige (Bursa) | m² | On the job | 125,00 |
| 10.240.1415 | New Marfile (Bursa) | m² | On the job | 222,00 |
| 10.240.1416 | Cream Valencia (Kastamonu) | m² | On the job | 97,00 |
| 10.240.1417 | Crema Elegance (Eskişehir) | m² | On the job | 118,00 |
| 10.240.1418 | Bronze Beige (Eskişehir) | m² | On the job | 104,00 |
| 10.240.1419 | Crema Rosa (Eskişehir) | m² | On the job | 104,00 |
| 10.240.1420 | Spider (Konya) | m² | On the job | 252,00 |
| 10.240.1421 | Dalmatian (Konya) | m² | On the job | 252,00 |
| 10.240.1422 | Sofita Beige (Bilecik) | m² | On the job | 69,00 |
| 10.240.1423 | Roze Beige (Bilecik) | m² | On the job | 97,00 |
| 10.240.1424 | Patara Beige (Muğla) | m² | On the job | 166,00 |
| 10.240.1425 | Sandras Gray (Muğla) | m² | On the job | 320,00 |
| 10.240.1700 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 32,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **COLORED MARBLES (Honed or polished) (TS EN 12057, TS EN 1467, TS EN 1468)** | | | |
| 10.240.1701 | Color Marble | m² | On the job | 125,00 |
| 10.240.1702 | Afyon Violet (Afyon) | m² | On the job | 155,00 |
| 10.240.1703 | Afyon Black (Afyon) | m² | On the job | 170,00 |
| 10.240.1704 | Akşehir Black (Konya) | m² | On the job | 99,00 |
| 10.240.1705 | Alanya Emperador Dark (Antalya) | m² | On the job | 184,00 |
| 10.240.1706 | Alanya Emperador Light (Antalya) | m² | On the job | 184,00 |
| 10.240.1707 | Alanya Black (Antalya) | m² | On the job | 193,00 |
| 10.240.1708 | Balıkesir Bigadiç Collared Dove (Balıkesir) | m² | On the job | 170,00 |
| 10.240.1709 | Burdur Rose (Burdur) | m² | On the job | 145,00 |
| 10.240.1710 | Bursa Emperador (Bursa) | m² | On the job | 144,00 |
| 10.240.1711 | Bursa Gold (Bursa) | m² | On the job | 155,00 |
| 10.240.1712 | Cappuccino (Bursa) | m² | On the job | 208,00 |
| 10.240.1713 | Cappuccino Royal (Diyarbakır) | m² | On the job | 215,00 |
| 10.240.1714 | Dark Emperador (Burdur) | m² | On the job | 155,00 |
| 10.240.1715 | Dark Olive (Sivas) | m² | On the job | 400,00 |
| 10.240.1716 | Eflani Green (Karabük) | m² | On the job | 125,00 |
| 10.240.1717 | Aegean Maroon (Wavy and Grainy) (Muğla) | m² | On the job | 178,00 |
| 10.240.1718 | Aegean Maroon Space (Muğla) | m² | On the job | 295,00 |
| 10.240.1719 | Aegean Coffee (Manisa) | m² | On the job | 185,00 |
| 10.240.1720 | Elazığ Cherry (Rosso Levanto) (Elazığ) | m² | On the job | 237,00 |
| 10.240.1721 | Izmir Teos Green (Izmir) | m² | On the job | 193,00 |
| 10.240.1722 | Kale Bordeaux (Denizli) | m² | On the job | 295,00 |
| 10.240.1723 | King Blue Stone (Kütahya) | m² | On the job | 110,00 |
| 10.240.1724 | Kütahya Black (Kütahya) | m² | On the job | 129,00 |
| 10.240.1725 | Kütahya Green (Kütahya) | m² | On the job | 143,00 |
| 10.240.1726 | Maroon Marinace (Kastamonu) | m² | On the job | 334,00 |
| 10.240.1727 | Milas Ice and Water Green (Muğla) | m² | On the job | 371,00 |
| 10.240.1728 | Antigorite Petroleum Green (Elazığ) | m² | On the job | 193,00 |
| 10.240.1729 | Prestige Brown (Kastamonu) | m² | On the job | 440,00 |
| 10.240.1730 | Rosso Galiano (Bilecik) | m² | On the job | 193,00 |
| 10.240.1731 | Safranbolu Eflani Fossiliferous Rustic Green (Karabük) | m² | On the job | 295,00 |
| 10.240.1732 | Sandıklı Brown (Afyon) | m² | On the job | 295,00 |
| 10.240.1733 | Sandıklı Black (Afyon) | m² | On the job | 189,00 |
| 10.240.1734 | Sivas Silver (Sivas) | m² | On the job | 110,00 |
| 10.240.1735 | Süpren (Eskişehir) | m² | On the job | 163,00 |
| 10.240.1736 | Tokat Yeşilırmak Diabase (Dolerite) (Tokat) | m² | On the job | 410,00 |
| 10.240.1737 | Notre Dame Breccia (Kayseri) | m² | On the job | 400,00 |
| 10.240.1738 | Yellow River (Eskişehir) | m² | On the job | 237,00 |
| 10.240.1739 | Chem Gray Black (Kulp) (Diyarbakır) | m² | On the job | 165,00 |
| 10.240.1740 | Light Emperador (Light Brown) (Adıyaman) | m² | On the job | 136,00 |
| 10.240.1741 | Sun Flower (Yellow Beige) (Şanlıurfa) | m² | On the job | 89,00 |
| 10.240.1742 | Afyon Tiger Skin (Variegated Blue) (Afyon) | m² | On the job | 136,00 |
| 10.240.1743 | Grigio Alanya (Gray) (Antalya) | m² | On the job | 189,00 |
| 10.240.1744 | Verde Rosa (Aydın) | m² | On the job | 89,00 |
| 10.240.1745 | Verde Arabescato (Aydın) | m² | On the job | 77,00 |
| 10.240.1746 | Royal Violet (Aydın) | m² | On the job | 89,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.1747 | Marronvenk Black (Elazığ) | m² | On the job | 170,00 |
| 10.240.1748 | Söğüt Beige (Dark Beige) (Bilecik) | m² | On the job | 89,00 |
| 10.240.1749 | Gold Beige (Dark Yellow) (Bilecik) | m² | On the job | 110,00 |
| 10.240.1750 | Halfeti Pink (Şanlıurfa) | m² | On the job | 110,00 |
| 10.240.1751 | Maroon Grizo (Eskişehir) | m² | On the job | 97,00 |
| 10.240.1752 | Pansy Green (Hareli) (Kütahya) | m² | On the job | 189,00 |
| 10.240.1753 | Violet (Hareli) (Kütahya) | m² | On the job | 189,00 |
| 10.240.1754 | Golden Leopard (Yellow) (Şanlıurfa) | m² | On the job | 89,00 |
| 10.240.1755 | Bitlis Smoke-gray (Bitlis) | m² | On the job | 170,00 |
| 10.240.1756 | Olive Gray (Sivas) | m² | On the job | 408,00 |
| 10.240.1757 | Olive Marone Green (Bursa) | m² | On the job | 423,00 |
| 10.240.1758 | Brunette (Konya) | m² | On the job | 423,00 |
| 10.240.1759 | Olive Pearl (Bursa) | m² | On the job | 600,00 |
| 10.240.1760 | Tulip Black (Diyarbakır) | m² | On the job | 670,00 |
| 10.240.1761 | Brown Espera (Adıyaman) | m² | On the job | 193,00 |
| 10.240.1762 | Reddish Brown (Denizli) | m² | On the job | 168,00 |
| 10.240.1763 | Silver Black (Afyon) | m² | On the job | 215,00 |
| 10.240.1764 | Portoro (Antalya) | m² | On the job | 252,00 |
| 10.240.1765 | Salome (Eskişehir) | m² | On the job | 108,00 |
| 10.240.1766 | Golden Spider (Eskişehir) | m² | On the job | 108,00 |
| 10.240.1767 | Black Pearl (Diyarbakır) | m² | On the job | 143,00 |
| 10.240.2000 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 32,00 |
| | **ONYX (Honed or polished)<br>(TS EN 12057, TS EN 1467, TS EN 1468)** | | | |
| 10.240.2001 | Fantasy Onyx (Bayburt) | m² | On the job | 940,00 |
| 10.240.2002 | Onyx Honey (Eskişehir) | m² | On the job | 211,00 |
| 10.240.2003 | White Onyx (Bayburt) | m² | On the job | 1.180,00 |
| 10.240.2004 | Onyx Marble (Afyon) | m² | On the job | 550,00 |
| 10.240.2005 | Sivas Onyx (Sivas) | m² | On the job | 362,00 |
| 10.240.2006 | Picasso Onyx (Eskişehir) | m² | On the job | 670,00 |
| 10.240.2007 | Honey Onyx (Afyon) | m² | On the job | 520,00 |
| 10.240.2008 | Cola Onyx (Afyon) | m² | On the job | 590,00 |
| 10.240.2009 | Honey Onyx Akhisar (Manisa) | m² | On the job | 650,00 |
| 10.240.2010 | Demirci Onyx (Manisa) | m² | On the job | 850,00 |
| 10.240.2011 | Onyx Fantastico (Eskişehir) | m² | On the job | 570,00 |
| 10.240.2012 | Nuvola Onyx (Eskişehir) | m² | On the job | 590,00 |
| 10.240.2100 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 32,00 |
| | **TRAVERTINES (Honed or polished)** | | | |
| 10.240.2101 | Light-colored Travertine | m² | On the job | 135,00 |
| 10.240.2102 | Dark-colored Travertine | m² | On the job | 110,00 |
| 10.240.2103 | Afyon Beige Travertine (Afyon) | m² | On the job | 105,00 |
| 10.240.2104 | Aizona Cream (Balıkesir) | m² | On the job | 250,00 |
| 10.240.2105 | Arizona Pink (Balıkesir) | m² | On the job | 215,00 |
| 10.240.2106 | Arizona Red (Balıkesir) | m² | On the job | 208,00 |
| 10.240.2107 | Arizona Red Coffee (Balıkesir) | m² | On the job | 200,00 |
| 10.240.2108 | Antique Red Travertine (Kütahya) | m² | On the job | 172,00 |
| 10.240.2109 | Balıkesir Noche Travertine (Balıkesir) | m² | On the job | 215,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.2110 | Balıkesir Scabos (Balıkesir) | m² | On the job | 215,00 |
| 10.240.2111 | Bayburt Light Travertine (Bayburt) | m² | On the job | 155,00 |
| 10.240.2112 | Chestnut Travertine (Tokat) | m² | On the job | 139,00 |
| 10.240.2113 | Chocolate (Kütahya) | m² | On the job | 297,00 |
| 10.240.2114 | Chocolate (Balıkesir) | m² | On the job | 237,00 |
| 10.240.2115 | Coffee Milk (Balıkesir) | m² | On the job | 208,00 |
| 10.240.2116 | Denizli Classical Travertine (Denizli) | m² | On the job | 144,00 |
| 10.240.2117 | Denizli White Travertine (Denizli) | m² | On the job | 237,00 |
| 10.240.2118 | Denizli Travertine Dark (Denizli) | m² | On the job | 129,00 |
| 10.240.2119 | Denizli Travertine Light (Denizli) | m² | On the job | 185,00 |
| 10.240.2120 | Elazığ Yellow Travertine (Elazığ) | m² | On the job | 154,00 |
| 10.240.2121 | Giresun Classical Light (Giresun) | m² | On the job | 185,00 |
| 10.240.2122 | Golden (Kütahya) | m² | On the job | 297,00 |
| 10.240.2123 | Kırşehir Noche Travertine (Kırşehir) | m² | On the job | 148,00 |
| 10.240.2124 | Konya Travertine (Konya) | m² | On the job | 200,00 |
| 10.240.2125 | Leonardo (Kütahya) | m² | On the job | 323,00 |
| 10.240.2126 | Rainbow (Balıkesir) | m² | On the job | 285,00 |
| 10.240.2127 | Rose Travertine (Kütahya) | m² | On the job | 170,00 |
| 10.240.2128 | Rosewood (Balıkesir) | m² | On the job | 185,00 |
| 10.240.2129 | Sitra Classical Travertine (Sivas) | m² | On the job | 123,00 |
| 10.240.2130 | Sivas Yellow Travertine (Sivas) | m² | On the job | 144,00 |
| 10.240.2131 | Sivas Scabos (Sivas) | m² | On the job | 144,00 |
| 10.240.2132 | Toscano (Kütahya) | m² | On the job | 215,00 |
| 10.240.2133 | Walnut Travertine (Denizli) | m² | On the job | 140,00 |
| 10.240.2134 | Scabos Gold (Elazığ) | m² | On the job | 136,00 |
| 10.240.2135 | Tuscany Porcini (Elazığ) | m² | On the job | 136,00 |
| 10.240.2136 | Rustic Gold (Elazığ) | m² | On the job | 136,00 |
| 10.240.2137 | Caribbean (Manisa) | m² | On the job | 215,00 |
| 10.240.2138 | Mystic Travertine (Brown) (Sivas) | m² | On the job | 118,00 |
| 10.240.2139 | Denizli Travertine Cross (Denizli) | m² | On the job | 140,00 |
| 10.240.2140 | Denizli Travertine Vein (Denizli) | m² | On the job | 178,00 |
| 10.240.2141 | Afyon Travertine Noche (Afyon) | m² | On the job | 108,00 |
| 10.240.2142 | Afyon Cream Travertine (Afyon) | m² | On the job | 193,00 |
| 10.240.2143 | Afyon Yellow Travertine (Afyon) | m² | On the job | 230,00 |
| 10.240.2144 | Denizli Yellow Travertine (Denizli) | m² | On the job | 144,00 |
| 10.240.2145 | Pewter Blend (Afyon) | m² | On the job | 178,00 |
| 10.240.2146 | Mare Gold (Konya) | m² | On the job | 140,00 |
| 10.240.2300 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 32,00 |
| | **LIMESTONE (Honed or polished) (TS EN 12057, TS EN 1467, TS EN 1468)** | | | |
| 10.240.2301 | Crema Classic (Antalya) | m² | On the job | 125,00 |
| 10.240.2302 | Crema Cloudy (Antalya) | m² | On the job | 107,00 |
| 10.240.2303 | Emgoni (Sakarya) | m² | On the job | 400,00 |
| 10.240.2304 | Arykanda Limestone (White) (Antalya) | m² | On the job | 123,00 |
| 10.240.2305 | Caribbean Cream (Antalya) | m² | On the job | 140,00 |
| 10.240.2306 | Canarian Cream (Antalya) | m² | On the job | 123,00 |
| 10.240.2307 | Champagne (Antalya) | m² | On the job | 123,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.2308 | Cybele (Antalya) | m² | On the job | 140,00 |
| 10.240.2309 | Anatolian White (Yozgat) | m² | On the job | 123,00 |
| 10.240.2400 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 32,00 |
| | **GRANITES (Honed or polished) (TS 6234, TS 699)** | | | |
| 10.240.2401 | Aksaray Pink, Ortaköy Pink (Aksaray) | m² | On the job | 401,00 |
| 10.240.2402 | Aksaray Pasture (Aksaray) | m² | On the job | 401,00 |
| 10.240.2403 | Balaban Green (Kırklareli) | m² | On the job | 513,00 |
| 10.240.2404 | Bergama Gray (İzmir) | m² | On the job | 327,00 |
| 10.240.2405 | Bulancak Smoke-gray (Giresun) | m² | On the job | 520,00 |
| 10.240.2406 | Hirfanlı Gray (Kırşehir) | m² | On the job | 387,00 |
| 10.240.2407 | Ezine Gray (Çanakkale) | m² | On the job | 320,00 |
| 10.240.2408 | Kofçaz Pink (Kırklareli) | m² | On the job | 371,00 |
| 10.240.2409 | Ankara Smoke-gray (Ankara) | m² | On the job | 445,00 |
| 10.240.2410 | Hisar Gray (Eskişehir) | m² | On the job | 445,00 |
| 10.240.2411 | Diana Gray (Ağrı) | m² | On the job | 222,00 |
| 10.240.2412 | Nero Nebiyan (Samsun) | m² | On the job | 408,00 |
| 10.240.2413 | Beypazarı Gray Rose (Ankara) | m² | On the job | 371,00 |
| 10.240.2414 | İspir Green (Erzurum) | m² | On the job | 445,00 |
| 10.240.2415 | İspir Gray (Erzurum) | m² | On the job | 401,00 |
| 10.240.2416 | Pazaryolu Emerald (Rize) | m² | On the job | 423,00 |
| | Note: Aforementioned materials with item no. 10.240.2401-2416 shall be sent to tests per the standard TS 699 within the knowledge of the administration. Laboratory test reports (water absorption rate, abrasion and pressure resistance) shall be requested with the payment receipt. | | | |
| 10.240.2500 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 60,00 |
| | **DIABASES (Honed or polished) (TS EN 12057, TS EN 1467, TS EN 1468)** | | | |
| 10.240.2501 | Dark Green Diabase (Bursa) | m² | On the job | 271,00 |
| 10.240.2502 | Alanya Green Diabase (Antalya) | m² | On the job | 513,00 |
| 10.240.2600 | Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing) | m² | On the job | 32,00 |
| | **ANDESITE KERBS AND SLABS (TS 10835)** | | | |
| | **Andesite Curbs** | | | |
| 10.240.2601 | 10 x 10 x 50 cm | Qty | On the job | 27,00 |
| 10.240.2602 | 10 x 15 x 50 cm | Qty | On the job | 38,00 |
| 10.240.2603 | 10 x 20 x 50 cm | Qty | On the job | 42,00 |
| 10.240.2604 | 10 x 25 x 50 cm | Qty | On the job | 48,00 |
| 10.240.2605 | 10 x 30 x 50 cm | Qty | On the job | 52,00 |
| 10.240.2606 | 15 x 15 x 50 cm | Qty | On the job | 59,00 |
| 10.240.2607 | 15 x 20 x 50 cm | Qty | On the job | 67,00 |
| 10.240.2608 | 15 x 25 x 50 cm | Qty | On the job | 78,00 |
| 10.240.2609 | 15 x 30 x 50 cm | Qty | On the job | 83,00 |
| 10.240.2610 | 15 x 40 x 50 cm (horizontal curb) | Qty | On the job | 100,00 |
| 10.240.2611 | 10 x 10 x 70 cm | Qty | On the job | 38,00 |
| 10.240.2612 | 10 x 15 x 70 cm | Qty | On the job | 51,00 |
| 10.240.2613 | 10 x 20 x 70 cm | Qty | On the job | 59,00 |
| 10.240.2614 | 10 x 25 x 70 cm | Qty | On the job | 68,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.2615 | 10 x 30 x 70 cm | Qty | On the job | 71,00 |
| 10.240.2616 | 15 x 15 x 70 cm | Qty | On the job | 78,00 |
| 10.240.2617 | 15 x 20 x 70 cm | Qty | On the job | 94,00 |
| 10.240.2618 | 15 x 25 x 70 cm | Qty | On the job | 109,00 |
| 10.240.2619 | 15 x 30 x 70 cm | Qty | On the job | 113,00 |
| 10.240.2620 | 15 x 40 x 70 cm | Qty | On the job | 123,00 |
| 10.240.2621 | 8 x 20 x 50 cm gutter stone | m | On the job | 100,00 |
| | **Andesite Slabs** | | | |
| | **A-3 cm thickness** | | | |
| 10.240.2641 | 15 x 15 cm size | m² | On the job | 94,00 |
| 10.240.2642 | 20 x 20 cm size | m² | On the job | 100,00 |
| 10.240.2643 | 30 x 30 cm size | m² | On the job | 112,00 |
| 10.240.2644 | 40 x 40 cm size | m² | On the job | 127,00 |
| 10.240.2645 | 50 x 50 cm size | m² | On the job | 144,00 |
| 10.240.2646 | 15 cm x free dimension | m² | On the job | 78,00 |
| 10.240.2647 | 20 cm x free dimension | m² | On the job | 86,00 |
| 10.240.2648 | 30 cm x free dimension | m² | On the job | 94,00 |
| 10.240.2649 | 40 cm x free dimension | m² | On the job | 113,00 |
| 10.240.2650 | 50 cm x free dimension | m² | On the job | 127,00 |
| | **B- 4-cm thick** | | | |
| 10.240.2661 | 15 x 15 cm size | m² | On the job | 112,00 |
| 10.240.2662 | 20 x 20 cm size | m² | On the job | 132,00 |
| 10.240.2663 | 30 x 30 cm size | m² | On the job | 127,00 |
| 10.240.2664 | 40 x 40 cm size | m² | On the job | 140,00 |
| 10.240.2665 | 50 x 50 cm size | m² | On the job | 144,00 |
| 10.240.2666 | 15 cm x free dimension | m² | On the job | 94,00 |
| 10.240.2667 | 20 cm x free dimension | m² | On the job | 101,00 |
| 10.240.2668 | 30 cm x free dimension | m² | On the job | 112,00 |
| 10.240.2669 | 40 cm x free dimension | m² | On the job | 121,00 |
| 10.240.2670 | 50 cm x free dimension | m² | On the job | 127,00 |
| | **C- 5-cm thick** | | | |
| 10.240.2681 | 15 x 15 cm size | m² | On the job | 118,00 |
| 10.240.2682 | 20 x 20 cm size | m² | On the job | 125,00 |
| 10.240.2683 | 30 x 30 cm size | m² | On the job | 132,00 |
| 10.240.2684 | 40 x 40 cm size | m² | On the job | 146,00 |
| 10.240.2685 | 50 x 50 cm size | m² | On the job | 155,00 |
| 10.240.2686 | 15 cm x free dimension | m² | On the job | 102,00 |
| 10.240.2687 | 20 cm x free dimension | m² | On the job | 107,00 |
| 10.240.2688 | 30 cm x free dimension | m² | On the job | 120,00 |
| 10.240.2689 | 40 cm x free dimension | m² | On the job | 127,00 |
| 10.240.2690 | 50 cm x free dimension | m² | On the job | 132,00 |
| | **D- 6-cm thick** | | | |
| 10.240.2701 | 15 x 15 cm size | m² | On the job | 124,00 |
| 10.240.2702 | 20 x 20 cm size | m² | On the job | 130,00 |
| 10.240.2703 | 30 x 30 cm size | m² | On the job | 140,00 |
| 10.240.2704 | 40 x 40 cm size | m² | On the job | 151,00 |
| 10.240.2705 | 50 x 50 cm size | m² | On the job | 163,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.2706 | 15 cm x free dimension | m² | On the job | 107,00 |
| 10.240.2707 | 20 cm x free dimension | m² | On the job | 113,00 |
| 10.240.2708 | 30 cm x free dimension | m² | On the job | 125,00 |
| 10.240.2709 | 40 cm x free dimension | m² | On the job | 160,00 |
| 10.240.2710 | 50 cm x free dimension | m² | On the job | 170,00 |
| | **E- 3-cm-thick impactite (made from 6-cm-thick stones)** | | | |
| 10.240.2721 | 10 x 10 cm | m² | On the job | 130,00 |
| 10.240.2722 | 15 x 15 cm size | m² | On the job | 136,00 |
| 10.240.2723 | 20 x 20 cm size | m² | On the job | 144,00 |
| 10.240.2724 | 10 cm x free dimension | m² | On the job | 113,00 |
| 10.240.2725 | 15 cm x free dimension | m² | On the job | 119,00 |
| 10.240.2726 | 20 cm x free dimension | m² | On the job | 121,00 |
| | Note: Other values with andesite kerbs and slabs shall be interpolated. | | | |
| 10.240.2741 | Korgun pink (4-cm thick and in any size) | m² | On the job | 90,00 |
| 10.240.2742 | Korgun pink (6-cm thick and in any size) | m² | On the job | 115,00 |
| 10.240.2743 | Kurşunlu black (4-cm thick and in any size) | m² | On the job | 102,00 |
| 10.240.2744 | Kurşunlu black (6-cm thick and in any size) | m² | On the job | 128,00 |
| | Note: Intermediate values shall be interpolated. | | | |
| | **BASALT STONE** | | | |
| | **1-Kerbs** | | | |
| 10.240.2901 | 10 x 15 x 50 cm | Qty | On the job | 33,00 |
| 10.240.2902 | 10 x 20 x 50 cm | Qty | On the job | 41,00 |
| 10.240.2903 | 10 x 25 x 50 cm | Qty | On the job | 52,00 |
| 10.240.2904 | 10 x 30 x 50 cm | Qty | On the job | 59,00 |
| | **2-Slabs**<br><br>**Note: Intermediate values shall be interpolated** | | | |
| 10.240.2911 | 2 x 30 x 30 cm | m² | On the job | 98,00 |
| 10.240.2912 | 2 x 40 x 40 cm | m² | On the job | 112,00 |
| 10.240.2913 | 2 x 30 x free dimension | m² | On the job | 83,00 |
| 10.240.2914 | 2 x 40 x free dimension | m² | On the job | 90,00 |
| 10.240.2915 | 3 x 30 x 30 cm | m² | On the job | 112,00 |
| 10.240.2916 | 3 x 40 x 40 cm | m² | On the job | 125,00 |
| 10.240.2917 | 3 x 30 x free dimension | m² | On the job | 90,00 |
| 10.240.2918 | 3 x 40 x free dimension | m² | On the job | 107,00 |
| 10.240.2919 | 4 x 30 x 30 cm | m² | On the job | 136,00 |
| 10.240.2920 | 4 x 40 x 40 cm | m² | On the job | 140,00 |
| 10.240.2921 | 4 x 30 x free dimension | m² | On the job | 109,00 |
| 10.240.2922 | 4 x 40 x free dimension | m² | On the job | 125,00 |
| 10.240.2923 | 5 x 30 x 30 cm | m² | On the job | 147,00 |
| 10.240.2924 | 5 x 40 x 40 cm | m² | On the job | 169,00 |
| 10.240.2925 | 5 x 30 x free dimension | m² | On the job | 130,00 |
| 10.240.2926 | 5 x 40 x free dimension | m² | On the job | 143,00 |
| 10.240.2927 | 6 x 30 x free dimension | m² | On the job | 160,00 |
| 10.240.2928 | 6 x 40 x free dimension | m² | On the job | 178,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **REGIONAL NATURAL STONES (In any size depending on the project)** | | | |
| 10.240.3001 | Bayburt stone (Tuff, tuffite) (4-cm slab) | m² | On the job | 39,00 |
| | **Ignimbrite coating stone (Slab)** | | | |
| 10.240.3011 | Black and red (4 to 6-cm thick) | m² | On the job | 41,00 |
| 10.240.3012 | White (4 to 6-cm thick) | m² | On the job | 78,00 |
| | **Kayseri stone (Slab)** | | | |
| 10.240.3021 | Mimarsinan stone (3-cm thick) | m² | On the job | 77,00 |
| 10.240.3022 | Mancusun stone (3-cm thick) | m² | On the job | 77,00 |
| 10.240.3023 | Erkilet stone (2-cm thick) | m² | On the job | 69,00 |
| 10.240.3024 | Tomarza stone (2-cm thick) | m² | On the job | 69,00 |
| | **Siirt stone (Slab)** | | | |
| 10.240.3031 | 3-cm thick | m² | On the job | 54,00 |
| 10.240.3032 | 4-cm thick | m² | On the job | 59,00 |
| 10.240.3033 | 5-cm thick | m² | On the job | 67,00 |
| 10.240.3034 | 6-cm thick | m² | On the job | 72,00 |
| | **Düzce stone** | | | |
| | **a) 3-cm-thick slabs (black - unpolished)** | | | |
| 10.240.3041 | 3 x 10 x 40 cm | m² | On the job | 107,00 |
| 10.240.3042 | 3 x 10 x free dimension cm | m² | On the job | 104,00 |
| 10.240.3043 | 3 x 20 x 40 cm | m² | On the job | 115,00 |
| 10.240.3044 | 3 x 20 x free dimension cm | m² | On the job | 110,00 |
| 10.240.3045 | 3 x 30 x 40 cm | m² | On the job | 127,00 |
| 10.240.3046 | 3 x 30 x free dimension cm | m² | On the job | 120,00 |
| | **b) 4-cm-thick slabs (black - unpolished)** | | | |
| 10.240.3051 | 4 x 10 x 40 cm | m² | On the job | 140,00 |
| 10.240.3052 | 4 x 10 x free dimension cm | m² | On the job | 133,00 |
| 10.240.3053 | 4 x 20 x 40 cm | m² | On the job | 144,00 |
| 10.240.3054 | 4 x 20 x free dimension cm | m² | On the job | 140,00 |
| 10.240.3055 | 4 x 30 x 40 cm | m² | On the job | 154,00 |
| 10.240.3056 | 4 x 30 x free dimension cm | m² | On the job | 150,00 |
| | **c) Curbs (chamfered) (black - unpolished)** | | | |
| 10.240.3061 | 15 x 15 x 50 cm | Qty | On the job | 78,00 |
| 10.240.3062 | 15 x 15 x 35 cm | Qty | On the job | 58,00 |
| 10.240.3063 | 15 x 15 x 70 cm | Qty | On the job | 107,00 |
| 10.240.3064 | 10 x 10 x 50 cm | Qty | On the job | 59,00 |
| 10.240.3065 | 10 x 10 x 35 cm | Qty | On the job | 41,00 |
| 10.240.3066 | 10 x 10 x 70 cm | Qty | On the job | 80,00 |
| | **d) Gutter (black - unpolished)** | | | |
| 10.240.3071 | 6 x 20 x free dimension cm | m | On the job | 86,00 |
| | **Döğer Tuff Stone (Afyonkarahisar)** | | | |
| | **Panels (in any size)** | | | |
| 10.240.3081 | 3-cm thick | m² | On the job | 233,00 |
| 10.240.3082 | 4-cm thick | m² | On the job | 275,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.3083 | 5-cm thick | m² | On the job | 320,00 |
| 10.240.3084 | 6-cm thick | m² | On the job | 359,00 |
| 10.240.3085 | 7-cm thick | m² | On the job | 401,00 |
| 10.240.3086 | 8-cm thick | m² | On the job | 445,00 |
| | **Wall Blocks (30 cm x 50 cm) (Prices of other thicknesses shall be interpolated.)** | | | |
| 10.240.3091 | 10-cm thick | m² | On the job | 420,00 |
| 10.240.3092 | 15-cm thick | m² | On the job | 575,00 |
| 10.240.3093 | 20-cm thick | m² | On the job | 736,00 |
| 10.240.3094 | 25-cm thickness | m² | On the job | 897,00 |
| 10.240.3095 | 30 cm thick | m² | On the job | 1.058,00 |
| 10.240.3096 | 35 cm thick | m² | On the job | 1.208,00 |
| 10.240.3097 | 40 cm thick | m² | On the job | 1.369,00 |
| | **Jamb/Floor Molding, etc. (min. 10 cm thickness) (Prices of other widths shall be interpolated.)** | | | |
| 10.240.3101 | 10 cm wide | m | On the job | 84,00 |
| 10.240.3102 | 15 cm wide | m | On the job | 105,00 |
| 10.240.3103 | 20 cm wide | m | On the job | 125,00 |
| 10.240.3104 | 25 cm wide | m | On the job | 148,00 |
| 10.240.3105 | 30 cm wide | m | On the job | 170,00 |
| 10.240.3106 | 35 cm wide | m | On the job | 190,00 |
| | **MARBLE/STONE POWDER - CHIPS** | | | |
| 10.240.3201 | Marble chips (White) | Tons | On the job | 100,00 |
| 10.240.3202 | Marble chips (Color) | Tons | On the job | 118,00 |
| 10.240.3203 | Marble powder (White) | Tons | On the job | 84,00 |
| 10.240.3204 | Marble powder (Color) | Tons | On the job | 105,00 |
| 10.240.3205 | Natural stone chips | Tons | On the job | 81,00 |
| 10.240.3206 | Natural stone powder | Tons | On the job | 99,00 |
| | **CERAMIC TILES** | | | |
| | These materials shall be sent to tests for compliance with TS EN 14411 if required by the administration. Laboratory test reports (water absorption, breaking and abrasion strength) shall be required to be submitted with the payment receipt. | | | |
| | **Ceramic Floor Tiles (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption 0.5% < E < 3% group BIb)** | | | |
| 10.240.3301 | White floor tile with any pattern and surface characteristics (20 x 20 cm nominal size) | m² | On the job | 53,50 |
| 10.240.3302 | White floor tile with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size) | m² | On the job | 51,00 |
| 10.240.3303 | White floor tile with any pattern and surface characteristics (40 x 40 cm nominal size) | m² | On the job | 52,50 |
| 10.240.3304 | White floor tile with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) | m² | On the job | 54,00 |
| 10.240.3351 | Colored floor tile with any pattern and surface characteristics (20 x 20 cm nominal size) | m² | On the job | 57,50 |
| 10.240.3352 | Colored floor tile with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size) | m² | On the job | 54,00 |
| 10.240.3353 | Colored floor tile with any pattern and surface characteristics (40 x 40 cm nominal size) | m² | On the job | 56,50 |
| 10.240.3354 | Colored floor tile with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) | m² | On the job | 57,50 |
| | Note: Extra 7 TRY shall be charged if ceramic floor tiles are rectified. | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Ceramic Wall Tiles (First Quality)<br>(TS EN 14411 - Dry-pressed ceramic tiles E > 10% Group BIII)** | | | |
| 10.240.3401 | White wall tile with any pattern and surface characteristics<br>(10 x 10 cm nominal size, meshed) | m² | On the job | 71,50 |
| 10.240.3402 | White wall tile with any pattern and surface characteristics<br>(20 x 20 cm nominal size) | m² | On the job | 52,00 |
| 10.240.3403 | White wall tile with any pattern and surface characteristics<br>(20 x 25 cm - 20 x 30 cm nominal size) | m² | On the job | 62,00 |
| 10.240.3404 | White wall tile with any pattern and surface characteristics<br>(20 x 40 cm - 20 x 45 cm nominal size) | m² | On the job | 56,50 |
| 10.240.3405 | White wall tile with any pattern and surface characteristics<br>(25 x 33 cm - 25 x 40 cm nominal size) | m² | On the job | 56,50 |
| 10.240.3406 | White wall tile with any pattern and surface characteristics<br>(20 x 60 cm - 30 x 60 cm - 33 x 60 cm nominal size) | m² | On the job | 73,50 |
| 10.240.3407 | White wall tile with any pattern and surface characteristics<br>(20 x 50 cm - 25 x 50 cm - 30 x 45 cm - 33 x 45 cm nominal size) | m² | On the job | 53,00 |
| 10.240.3408 | White wall tile with any pattern and surface characteristics<br>(30 x 90 cm - 33 x 90 cm - 33 x 100 cm - 31 x 92 cm nominal size) | m² | On the job | 105,00 |
| 10.240.3409 | White wall tile with any pattern and surface characteristics<br>(25 x 70 cm - 25 x 75 cm - 40 x 80 cm nominal size) | m² | On the job | 100,00 |
| 10.240.3451 | Colored wall tile with any pattern and surface characteristics<br>(10 x 10 cm nominal size, meshed) | m² | On the job | 76,00 |
| 10.240.3452 | Colored wall tile with any pattern and surface characteristics<br>(20 x 20 cm nominal size) | m² | On the job | 56,50 |
| 10.240.3453 | Colored wall tile with any pattern and surface characteristics<br>(20 x 25 cm - 20 x 30 cm nominal size) | m² | On the job | 66,50 |
| 10.240.3454 | Colored wall tile with any pattern and surface characteristics<br>(20 x 40 cm - 20 x 45 cm nominal size) | m² | On the job | 58,50 |
| 10.240.3455 | Colored wall tile with any pattern and surface characteristics<br>(25 x 33 cm - 25 x 40 cm nominal size) | m² | On the job | 58,50 |
| 10.240.3456 | Colored wall tile with any pattern and surface characteristics<br>(20 x 60 cm - 30 x 60 cm - 33 x 60 cm nominal size) | m² | On the job | 77,00 |
| 10.240.3457 | Colored wall tile with any pattern and surface characteristics<br>(20 x 50 cm - 25 x 50 cm - 30 x 45 cm - 33 x 45 cm nominal size) | m² | On the job | 57,50 |
| 10.240.3458 | Colored wall tile with any pattern and surface characteristics<br>(30 x 90 cm - 33 x 90 cm - 33 x 100 cm - 31 x 92 cm nominal size) | m² | On the job | 109,00 |
| 10.240.3459 | Colored wall tile with any pattern and surface characteristics<br>(25 x 70 cm - 25 x 75 cm - 40 x 80 cm nominal size) | m² | On the job | 105,00 |
| | Note: Extra TRY 7 shall be charged if ceramic wall tiles are rectified. | | | |
| | **Gazed Porcelain Tiles (First Class)<br>(TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E < 0.5% group BIa)** | | | |
| 10.240.3501 | White, glazed porcelain tile with any pattern and surface characteristics<br>(10 x 10 cm nominal size, meshed) | m² | On the job | 104,00 |
| 10.240.3502 | White, glazed porcelain tile with any pattern and surface characteristics<br>(10 x 20 cm - 12.5 x 25 cm - 12 x 24.5 cm nominal size) | m² | On the job | 86,00 |
| 10.240.3503 | White, glazed porcelain tile with any pattern and surface characteristics<br>(20 x 20 cm nominal size) | m² | On the job | 84,00 |
| 10.240.3504 | White, glazed porcelain tile with any pattern and surface characteristics<br>(30 x 30 cm - 33 x 33 cm nominal size) | m² | On the job | 76,00 |
| 10.240.3505 | White, glazed porcelain tile with any pattern and surface characteristics<br>(40 x 40 cm nominal size) | m² | On the job | 79,00 |
| 10.240.3506 | White, glazed porcelain tile with any pattern and surface characteristics<br>(42.5 x 42.5 cm - 45 x 45 cm nominal size) | m² | On the job | 79,00 |
| 10.240.3508 | White, glazed porcelain tile with any pattern and surface characteristics<br>(60 x 60 cm nominal size) | m² | On the job | 97,00 |
| 10.240.3509 | White, glazed porcelain tile with any pattern and surface characteristics<br>(15 x 60 cm nominal size) | m² | On the job | 113,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.3510 | White, glazed porcelain tile with any pattern and surface characteristics (30 x 60 cm nominal size) | m² | On the job | 100,00 |
| 10.240.3511 | White, glazed porcelain tile with any pattern and surface characteristics (15 x 90 cm - 22.5 x 90 cm nominal size) | m² | On the job | 145,00 |
| 10.240.3512 | White, glazed porcelain tile with any pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size) | m² | On the job | 185,00 |
| 10.240.3514 | White, glazed porcelain tile with any pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size) | m² | On the job | 155,00 |
| 10.240.3515 | White, glazed porcelain tile with any pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size) | m² | On the job | 138,00 |
| 10.240.3516 | White, glazed porcelain tile with any pattern and surface characteristics (80 x 160 cm nominal size) | m² | On the job | 245,00 |
| 10.240.3517 | White, glazed porcelain tile with any pattern and surface characteristics (90 x 180 cm nominal size) | m² | On the job | 297,00 |
| 10.240.3551 | Colored, glazed porcelain tile with any pattern and surface characteristics (10 x 10 cm nominal size, meshed) | m² | On the job | 107,00 |
| 10.240.3552 | Colored, glazed porcelain tile with any pattern and surface characteristics (10 x 20 cm - 12.5 x 25 cm - 12 x 24.5 cm nominal size) | m² | On the job | 91,00 |
| 10.240.3553 | Colored, glazed porcelain tile with any pattern and surface characteristics (20 x 20 cm nominal size) | m² | On the job | 91,00 |
| 10.240.3554 | Colored, glazed porcelain tile with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size) | m² | On the job | 79,00 |
| 10.240.3555 | Colored, glazed porcelain tile with any pattern and surface characteristics (40 x 40 cm nominal size) | m² | On the job | 84,00 |
| 10.240.3556 | Colored, glazed porcelain tile with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) | m² | On the job | 84,00 |
| 10.240.3558 | Colored, glazed porcelain tile with any pattern and surface characteristics (60 x 60 cm nominal size) | m² | On the job | 100,00 |
| 10.240.3559 | Colored, glazed porcelain tile with any pattern and surface characteristics (15 x 60 cm nominal size) | m² | On the job | 117,00 |
| 10.240.3560 | Colored, glazed porcelain tile with any pattern and surface characteristics (30 x 60 cm nominal size) | m² | On the job | 106,00 |
| 10.240.3561 | Colored, glazed porcelain tile with any pattern and surface characteristics (15 x 90 cm - 22.5 x 90 cm nominal size) | m² | On the job | 148,00 |
| 10.240.3562 | Colored, glazed porcelain tile with any pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size) | m² | On the job | 190,00 |
| 10.240.3564 | Colored, glazed porcelain tile with any pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size) | m² | On the job | 160,00 |
| 10.240.3565 | Colored, glazed porcelain tile with any pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size) | m² | On the job | 143,00 |
| 10.240.3566 | Colored, glazed porcelain tile with any pattern and surface characteristics (80 x 160 cm nominal size) | m² | On the job | 246,00 |
| 10.240.3567 | Colored, glazed porcelain tile with any pattern and surface characteristics (90 x 180 cm nominal size) | m² | On the job | 305,00 |
| | Note: Extra TRY 7 shall be charged if glazed porcelain tiles are rectified. | | | |
| | **Non-glazed Porcelain Tiles (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E < 0.5% group BIa)** | | | |
| 10.240.3601 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (10 x 10 cm nominal size, meshed) | m² | On the job | 114,00 |
| 10.240.3603 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (20 x 20 cm nominal size) | m² | On the job | 98,00 |
| 10.240.3604 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size) | m² | On the job | 86,00 |
| 10.240.3605 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (40 x 40 cm nominal size) | m² | On the job | 94,00 |
| 10.240.3606 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) (Rectified) | m² | On the job | 113,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.3608 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (60 x 60 cm nominal size) (Rectified) | m² | On the job | 131,00 |
| 10.240.3609 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (15 x 60 cm nominal size) (Rectified) | m² | On the job | 132,00 |
| 10.240.3610 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (30 x 60 cm nominal size) (Rectified) | m² | On the job | 133,00 |
| 10.240.3612 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size) (Rectified) | m² | On the job | 219,00 |
| 10.240.3614 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size) (Rectified) | m² | On the job | 230,00 |
| 10.240.3615 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size) (Rectified) | m² | On the job | 178,00 |
| 10.240.3616 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (80 x 160 cm nominal size) (Rectified) | m² | On the job | 208,00 |
| 10.240.3617 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (90 x 180 cm nominal size) (Rectified) | m² | On the job | 305,00 |
| 10.240.3651 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (10 x 10 cm nominal size, meshed) (Rectified) | m² | On the job | 151,00 |
| 10.240.3653 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 20 cm nominal size) (Rectified) | m² | On the job | 125,00 |
| 10.240.3654 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size) (Rectified) | m² | On the job | 113,00 |
| 10.240.3655 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (40 x 40 cm nominal size) (Rectified) | m² | On the job | 122,00 |
| 10.240.3656 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) (Rectified) | m² | On the job | 148,00 |
| 10.240.3658 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (60 x 60 cm nominal size) (Rectified) | m² | On the job | 166,00 |
| 10.240.3659 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (15 x 60 cm nominal size) (Rectified) | m² | On the job | 168,00 |
| 10.240.3660 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (30 x 60 cm nominal size) (Rectified) | m² | On the job | 178,00 |
| 10.240.3662 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size) (Rectified) | m² | On the job | 286,00 |
| 10.240.3664 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size) (Rectified) | m² | On the job | 295,00 |
| 10.240.3665 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size) (Rectified) | m² | On the job | 215,00 |
| 10.240.3666 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (80 x 160 cm nominal size) (Rectified) | m² | On the job | 242,00 |
| 10.240.3667 | Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (90 x 180 cm nominal size) (Rectified) | m² | On the job | 338,00 |
| | Note 1: Extra TRY 7 shall be charged if unrectified non-glazed porcelain tiles are rectified. | | | |
| | Note 2: The surfaces of glossy non-glazed porcelain tiles shall be coated with a protective layer. | | | |
| | **Industrial Floor Ceramics (First Quality)<br>(TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E < 0.5% group BIa)** | | | |
| 10.240.3701 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (20 x 20 x 0.8 cm nominal size) | m² | On the job | 94,50 |
| 10.240.3702 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (20 x 20 x 1.2 cm nominal size) | m² | On the job | 100,00 |
| 10.240.3703 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (20 x 20 x 1.4 cm nominal size) | m² | On the job | 113,00 |
| 10.240.3705 | Matte, non-glazed porcelain tile with any color, pattern and surface characteristics (24 x 24 x 1.4 cm nominal size) | m² | On the job | 113,00 |
| | Note: Extra TRY 6 shall be charged if industrial flooring ceramics are rectified. | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Pool Ceramics (First Quality)**<br>**(TS EN 14411 - Rolled ceramic tiles - Low water absorption E < 0.5% group AIa)** | | | |
| 10.240.3801 | Partly color-glazed pool railings<br>(Nominal size: 119 x 244 x 23 mm - 120 x 245 x 20 mm) | Qty | On the job | 57,50 |
| 10.240.3802 | Partly color-glazed, grooved pool railings<br>(Nominal size: 119 x 244 x 23 mm - 120 x 245 x 20 mm) | Qty | On the job | 57,50 |
| 10.240.3803 | non-glazed, serrated pool-side tiles<br>(Nominal size: 119 x 244 x 8 mm - 120 x 245 x 8 mm) | Qty | On the job | 10,50 |
| 10.240.3807 | Corners (inside/outside) of partly color-glazed pool railings<br>(Nominal size: 119 x 119 x 23 mm - 120 x 245 x 20 mm) | Qty | On the job | 76,00 |
| 10.240.3808 | Internal profile coated with color glazing<br>(Nominal size: 55 x 244 x 33 mm - 45 x 245 x 35 mm) | Qty | On the job | 54,00 |
| 10.240.3809 | External profile coated with color glazing<br>(Nominal size: 40 x 244 x 33 mm - 45 x 245 x 35 mm) | Qty | On the job | 54,00 |
| 10.240.3810 | Internal corner profile coated with color glazing<br>(Nominal size: 55 x 55 x 33 mm - 45 x 45 x 35 mm) | Qty | On the job | 24,00 |
| 10.240.3811 | External corner profile coated with color glazing<br>(Nominal size: 40 x 40 x 33 mm - 45 x 45 x 35 mm) | Qty | On the job | 24,00 |
| 10.240.3813 | Partly color-glazed pool railings<br>(Nominal size: 244 x 244 x 23 mm - 245 x 245 x 20 mm) | Qty | On the job | 78,00 |
| 10.240.3814 | Partly color-glazed, grooved pool railings<br>(Nominal size: 244 x 244 x 23 mm - 245 x 245 x 20 mm) | Qty | On the job | 78,00 |
| 10.240.3815 | Partly color-glazed, grooved pool railings<br>(Nominal size: 244 x 244 x 28/40 mm) | Qty | On the job | 78,00 |
| 10.240.3816 | Corners (inside/outside) of partly color-glazed pool railings<br>(Nominal size: 244 x 244 x 23 mm - 245 x 245 x 20 mm) | Qty | On the job | 148,00 |
| 10.240.3817 | Corners (inside/outside) of partly color-glazed pool railings with foot grates<br>(Nominal size: 275 x 275 x 28/40 mm - 250+40 x 245 x 35 mm) | Qty | On the job | 178,00 |
| 10.240.3818 | Partly color-glazed pool railings with foot grates<br>(Nominal size: 275 x 244 x 28/40 mm - 250+40 x 245 x 35 mm) | Qty | On the job | 92,00 |
| 10.240.3819 | Partly color-glazed, grooved pool railings with foot grates<br>(Nominal size: 275 x 244 x 28/40 mm - 250+40 x 245 x 35 mm) | Qty | On the job | 92,00 |
| 10.240.3823 | non-glazed, serrated pool-side tiles with grate feet<br>(Nominal size: 145 x 244 x 40 mm - 120+40 x 245 x 35 mm) | Qty | On the job | 41,50 |
| 10.240.3824 | non-glazed, serrated poolside tiles with grate feet - inside / outside<br>(Nominal size: 145 x 145 x 40 mm - 120+40 x 245 x 35 mm) | Qty | On the job | 148,00 |
| 10.240.3827 | Chamfered, partly color-glazed, non-slip stairs mats<br>(Nominal size: 119 x 244 x 8 mm - 120 x 245 x 8 mm) | Qty | On the job | 29,00 |
| 10.240.3828 | Chamfered, partly color-glazed, non-slip stairs mat corners - (inside/outside)<br>(Nominal size: 119 x 119 x 8 mm - 120 x 120 x 8 mm) | Qty | On the job | 94,50 |
| 10.240.3833 | Partly color-glazed pool railings<br>(Nominal size: 375 x 244 x 23 mm - 375+40 x 245 x 35 mm) | Qty | On the job | 117,00 |
| 10.240.3834 | Partly color-glazed, grooved pool railings<br>(Nominal size: 375 x 244 x 23 mm - 375+40 x 245 x 35 mm) | Qty | On the job | 117,00 |
| 10.240.3836 | Corners (inside/outside) of partly color-glazed pool railings<br>(Nominal size: 375 x 375 x 23 mm - 375+40 x 245 x 35 mm) | Qty | On the job | 267,00 |
| | **non-glazed Thin Porcelain Plates**<br><br>**(TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E < 0.5% group BIA)** | | | |
| 10.240.3901 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern<br>(100 cm x 300 cm x 0.3 cm) | m² | On the job | 339,00 |
| 10.240.3902 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern<br>(50 cm x 300 cm x 0.3 cm) | m² | On the job | 339,00 |
| 10.240.3903 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern<br>(50 cm x 150 cm x 0.3 cm) | m² | On the job | 351,00 |
| 10.240.3904 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern<br>(100 cm x 100 cm x 0.3 cm) | m² | On the job | 351,00 |
| 10.240.3905 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern<br>(100 cm x 150 cm x 0.3 cm) | m² | On the job | 351,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.3906 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 100 cm x 0.3 cm) | m² | On the job | 351,00 |
| 10.240.3907 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 300 cm x 0.3 cm) | m² | On the job | 345,00 |
| 10.240.3908 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (120 cm x 360 cm x 0.3 cm) | m² | On the job | 345,00 |
| 10.240.3909 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (120 cm x 120 cm x 0.3 cm) | m² | On the job | 357,00 |
| 10.240.3910 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 120 cm x 0.3 cm) | m² | On the job | 368,00 |
| 10.240.3911 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 60 cm x 0.3 cm) | m² | On the job | 378,00 |
| 10.240.3912 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 300 cm x 0.5 cm) | m² | On the job | 401,00 |
| 10.240.3913 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 300 cm x 0.5 cm) | m² | On the job | 401,00 |
| 10.240.3914 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 150 cm x 0.5 cm) | m² | On the job | 419,00 |
| 10.240.3915 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 100 cm x 0.5 cm) | m² | On the job | 419,00 |
| 10.240.3916 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 150 cm x 0.5 cm) | m² | On the job | 419,00 |
| 10.240.3917 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 100 cm x 0.5 cm) | m² | On the job | 419,00 |
| 10.240.3918 | Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (50 cm x 300 cm x 0.5 cm) | m² | On the job | 460,00 |
| 10.240.3919 | Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (50 cm x 150 cm x 0.5 cm) | m² | On the job | 460,00 |
| 10.240.3920 | Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (50 cm x 100 cm x 0.5 cm) | m² | On the job | 460,00 |
| 10.240.3921 | Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (66 cm x 300 cm x 0.5 cm) | m² | On the job | 506,00 |
| 10.240.3922 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (100 cm x 300 cm x 0.5 cm) | m² | On the job | 339,00 |
| 10.240.3923 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (50 cm x 300 cm x 0.5 cm) | m² | On the job | 339,00 |
| 10.240.3924 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (50 cm x 150 cm x 0.5 cm) | m² | On the job | 345,00 |
| 10.240.3925 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (100 cm x 100 cm x 0.5 cm) | m² | On the job | 345,00 |
| 10.240.3926 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (100 cm x 150 cm x 0.5 cm) | m² | On the job | 345,00 |
| 10.240.3927 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (50 cm x 100 cm x 0.5 cm) | m² | On the job | 345,00 |
| 10.240.3928 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 360 cm x 0.3 cm) (120 cm x 180 cm x 0.3 cm) | m² | On the job | 351,00 |
| 10.240.3929 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 180 cm x 0.3 cm) | m² | On the job | 397,00 |
| 10.240.3930 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 360 cm x 0.5 cm) (120 cm x 180 cm x 0.5 cm) | m² | On the job | 420,00 |
| 10.240.3931 | Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 180 cm x 0.5 cm) | m² | On the job | 443,00 |
| 10.240.3932 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (120 cm x 360 cm x 0.3 cm) | m² | On the job | 259,00 |
| 10.240.3933 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (60 cm x 360 cm x 0.3 cm) (120 cm x 180 cm x 0.3 cm) | m² | On the job | 305,00 |
| 10.240.3934 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (60 cm x 180 cm x 0.3 cm) | m² | On the job | 328,00 |
| 10.240.3935 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (120 cm x 360 cm x 0.5 cm) | m² | On the job | 328,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.3936 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (60 cm x 360 cm x 0.5 cm) (120 cm x 180 cm x 0.5 cm) | m² | On the job | 362,00 |
| 10.240.3937 | Non-glazed thin porcelain plate in any color and pattern, with matte surface and non-meshed back (60 cm x 180 cm x 0.5 cm) | m² | On the job | 397,00 |
| 10.240.3938 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (100 cm x 300 cm x 0.5 cm) (120 cm x 360 cm x 0.5 cm) | m² | On the job | 500,00 |
| 10.240.3939 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (100 cm x 100 cm x 0.5 cm) | m² | On the job | 667,00 |
| 10.240.3940 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (100 cm x 150 cm x 0.5 cm) | m² | On the job | 541,00 |
| 10.240.3941 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (60 cm x 360 cm x 0.5 cm) (120 cm x 180 cm x 0.5 cm) | m² | On the job | 621,00 |
| 10.240.3942 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (120 cm x 120 cm x 0.5 cm) (60 cm x 180 cm x 0.5 cm) | m² | On the job | 661,00 |
| 10.240.3943 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (100 cm x 300 cm x 0.6 cm) | m² | On the job | 587,00 |
| 10.240.3944 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (50 cm x 300 cm x 0.6 cm) | m² | On the job | 633,00 |
| 10.240.3945 | Non-glazed thin porcelain plate in any color, with matte surface and meshed back (50 cm x 150 cm x 0.6 cm) (100 cm x 100 cm x 0.6 cm) | m² | On the job | 661,00 |
| | **Glazed/non-glazed Thick Porcelain Plates (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E < 0.5% group BIA)** | | | |
| 10.240.4001 | Glazed/non-glazed thick porcelain plates in any color and pattern (nominal dimensions: 40 x 40 x 2 cm) | m² | On the job | 173,00 |
| 10.240.4002 | Glazed/non-glazed thick porcelain plates in any color and pattern (nominal dimensions: 60 x 60 x 2 cm) | m² | On the job | 189,00 |
| 10.240.4003 | Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 60 x 90 x 2 cm - 60 x 120 x 2 cm) | m² | On the job | 259,00 |
| 10.240.4004 | Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 80 x 80 x 2 cm - 90 x 90 x 2 cm) | m² | On the job | 245,00 |
| 10.240.4032 | Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 60 x 60 x 3 cm) | m² | On the job | 275,00 |
| 10.240.4034 | Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 80 x 80 x 3 cm - 90 x 90 x 3 cm) | m² | On the job | 357,00 |
| | Note: Extra TRY 7 shall be charged if glazed/non-glazed thick porcelain plates are rectified. | | | |
| | **VITRIFIED TILES (TS 202)**<br><br>**(Maximum 20% water absorption (indoors), 15 N/mm²) bending strength)** | | | |
| 10.240.4501 | Plain vitrified tiles, any color (20 cm x 20 cm) | m² | On the job | 100,00 |
| 10.240.4502 | Plain vitrified curbs, any color (20 cm x 20 cm) | m² | On the job | 107,00 |
| 10.240.4503 | Plain vitrified corner, any color (10 cm x 10 cm) | m² | On the job | 113,00 |
| 10.240.4504 | Plain, embossed, vitrified tiles, any color (20 cm x 20 cm) | m² | On the job | 107,00 |
| 10.240.4505 | Plain, embossed, vitrified kerbs, any color (20 cm x 20 cm) | m² | On the job | 110,00 |
| 10.240.4506 | Plain, vitrified, embossed corner, any color (10 cm x 10 cm) | m² | On the job | 113,00 |
| 10.240.4507 | Patterned, vitrified tiles, any color (20 cm x 20 cm) | m² | On the job | 123,00 |
| 10.240.4508 | Patterned, vitrified curbs, any color (20 cm x 20 cm) | m² | On the job | 129,00 |
| 10.240.4509 | Patterned, vitrified corner, any color (10 cm x 10 cm) | m² | On the job | 140,00 |
| 10.240.4510 | Patterned, vitrified, embossed tiles, any color (20 cm x 20 cm) | m² | On the job | 123,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.4511 | Patterned, vitrified, embossed curbs, any color (20 cm x 20 cm) | m² | On the job | 132,00 |
| 10.240.4512 | Patterned, vitrified, embossed corner, any color (10 cm x 10 cm) | m² | On the job | 143,00 |
| | **TERRAZZO TILE SLABS (INDOOR) (TS 213-1 EN 13748-1) (Single layer - Honed or Polished) To be manufactured as single layer with crushed marble aggregates (0-15 mm) using vacuum-press-vibration technique with cement binder. None of the vertical abrasion results in abrasion tests shall exceed 25 mm. None of the overall water absorption test results shall exceed 8% by mass. (Any form and color)** | | | |
| | **Terrazzo Tile Slabs (Artificial Marble) with Marble Aggregate** | | | |
| 10.240.4601 | Breaking Load Conditions (Class 1) Surface area ≤ 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 49,00 |
| 10.240.4602 | Breaking Load Conditions (Class 1) Surface area > 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 58,00 |
| 10.240.4603 | Breaking Load conditions (Class 2), Surface area ≤ 1,100 cm², and breaking strength > 2.5 kN | m² | On the job | 55,00 |
| 10.240.4604 | Breaking load conditions (Class 3), Sized 1,100 < Surface area < 1,800 cm², and breaking strength > 3 kN | m² | On the job | 60,00 |
| 10.240.4605 | Breaking Load Conditions (Class 3), Surface area ≥ 1,800 cm², and breaking strength > 3 kN | m² | On the job | 86,00 |
| | **Terrazzo Tile Slabs (Artificial Marble) with Granite Aggregate** | | | |
| 10.240.4621 | Breaking Load Conditions (Class 1) Surface area ≤ 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 76,00 |
| 10.240.4622 | Breaking Load Conditions (Class 1) Surface area > 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 82,00 |
| 10.240.4623 | Breaking Load conditions (Class 2), Surface area ≤ 1,100 cm², and breaking strength > 2.5 kN | m² | On the job | 81,00 |
| 10.240.4624 | Breaking load conditions (Class 3), Sized 1,100 < Surface area < 1,800 cm², and breaking strength > 3 kN | m² | On the job | 86,00 |
| 10.240.4625 | Breaking Load Conditions (Class 3), Surface area ≥ 1,800 cm², and breaking strength > 3 kN | m² | On the job | 104,00 |
| | **Terrazzo Tile Slabs (Artificial Marble) with Quartz/Silica Aggregate (min. 20% quartz/silica + 80% marble aggregate)** | | | |
| 10.240.4641 | Breaking Load Conditions (Class 1) Surface area ≤ 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 76,00 |
| 10.240.4642 | Breaking Load Conditions (Class 1) Surface area > 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 82,00 |
| 10.240.4643 | Breaking Load conditions (Class 2), Surface area ≤ 1,100 cm², and breaking strength > 2.5 kN | m² | On the job | 81,00 |
| 10.240.4644 | Breaking load conditions (Class 3), Sized 1,100 < Surface area < 1,800 cm², and breaking strength > 3 kN | m² | On the job | 86,00 |
| 10.240.4645 | Breaking Load Conditions (Class 3), Surface area ≥ 1,800 cm², and breaking strength > 3 kN | m² | On the job | 104,00 |
| | **Terrazzo Tile Slabs (Artificial Marble) with Quartz/Silica Aggregate** | | | |
| 10.240.4661 | Breaking Load Conditions (Class 1) Surface area ≤ 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 166,00 |
| 10.240.4662 | Breaking Load Conditions (Class 1) Surface area > 1,100 cm² (Should be laid on full grout bedding) | m² | On the job | 177,00 |
| 10.240.4663 | Breaking Load conditions (Class 2), Surface area ≤ 1,100 cm², and breaking strength > 2.5 kN | m² | On the job | 177,00 |
| 10.240.4664 | Breaking load conditions (Class 3), Sized 1,100 < Surface area < 1,800 cm², and breaking strength > 3 kN | m² | On the job | 187,00 |
| 10.240.4665 | Breaking Load Conditions (Class 3), Surface area ≥ 1,800 cm², and breaking strength > 3 kN | m² | On the job | 206,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **TERRAZZO TILE SLABS (OUTDOOR)**<br>**(TS 213-2 EN 13748-2)**<br><br>**Double Layer**<br>**In two layers, namely top and bottom layers. For the sizes from 0 to 15 mm, it shall be manufactured in two layers with marble, granite, basalt, andesite, quartz-silica or mosaic aggregates, using press-vibration-washing-brushing-sanding technique with cement binder.**<br>**(All colors and patterns)**<br><br>**Single Layer**<br>**A single layer. For the sizes from 0 to 15 mm, it shall be manufactured as a single layer with marble, granite, basalt, andesite, quartz-silica or mosaic aggregates, using vacuum-press-vibration-washing-brushing-sanding technique with cement binder.**<br>**(All colors and patterns)**<br><br>**None of the overall water absorption test results shall exceed 8% by mass.**<br><br>**If such materials are used as tactile walking surface indicators (TWSI), the surface and surface relief (emboss) texture shall fulfill the conditions defined in the standard TS ISO 23599 depending on the use of the surface (warning surface or guiding surface).** | | | |
| | **Terrazzo Tile Slabs (Cement Tiles)**<br>**(Manufactured by pressing) (threaded/non-threaded, colored/colorless)** | | | |
| 10.240.4801 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1,600 cm² | m² | On the job | 46,00 |
| 10.240.4802 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 58,00 |
| 10.240.4803 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 55,00 |
| 10.240.4804 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 71,00 |
| 10.240.4805 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 69,00 |
| 10.240.4806 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 85,00 |
| | **Terrazzo Tile Slabs (with Marble Aggregate)**<br>**(With any surface treatment)** | | | |
| 10.240.4821 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1,600 cm² | m² | On the job | 55,00 |
| 10.240.4822 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 67,00 |
| 10.240.4823 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 67,00 |
| 10.240.4824 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 84,00 |
| 10.240.4825 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 81,00 |
| 10.240.4826 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 96,00 |
| | **Terrazzo Tile Slabs (with Granite Aggregate)**<br>**(With any surface treatment)** | | | |
| 10.240.4841 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm² | m² | On the job | 71,00 |
| 10.240.4842 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 84,00 |
| 10.240.4843 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 84,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.4844 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 99,00 |
| 10.240.4845 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 96,00 |
| 10.240.4846 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 113,00 |
| | **Terrazzo Tile Slabs (with Andesite Aggregate) (With any surface treatment)** | | | |
| 10.240.4861 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1,600 cm² | m² | On the job | 67,00 |
| 10.240.4862 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 81,00 |
| 10.240.4863 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 73,00 |
| 10.240.4864 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 90,00 |
| 10.240.4865 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 88,00 |
| 10.240.4866 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 104,00 |
| | **Terrazzo Tile Slabs (with Basalt Aggregate) (With any surface treatment)** | | | |
| 10.240.4881 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1,600 cm² | m² | On the job | 60,00 |
| 10.240.4882 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 71,00 |
| 10.240.4883 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 73,00 |
| 10.240.4884 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 90,00 |
| 10.240.4885 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 85,00 |
| 10.240.4886 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 102,00 |
| | **Terrazzo Tile Slabs (with Quartz/Silica Aggregate) (With any surface treatment)** | | | |
| 10.240.4901 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1,600 cm² | m² | On the job | 93,00 |
| 10.240.4902 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 106,00 |
| 10.240.4903 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 106,00 |
| 10.240.4904 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 116,00 |
| 10.240.4905 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 116,00 |
| 10.240.4906 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 126,00 |
| | **Terrazzo Tile Slabs (with wash concrete surface treatment)** | | | |
| 10.240.4921 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1,600 cm² | m² | On the job | 53,00 |
| 10.240.4922 | Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 67,00 |
| 10.240.4923 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1,600 cm² | m² | On the job | 81,00 |
| 10.240.4924 | Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1,600 < Surface Area ≤ 3,600 cm² | m² | On the job | 88,00 |
| 10.240.4925 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1,600 cm² | m² | On the job | 86,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.4926 | Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1,600 < Surface area ≤ 3,600 cm² | m² | On the job | 99,00 |
| | **Terrazzo Baseboard<br>(With marble, granite, basalt, andesite, quartz, silica aggregate)<br>6 to 10-cm high with 0 to 15-mm aggregate in a single layer manufactured with vacuum-press-vibration technique, wiped and chamfered.<br>None of the vertical abrasion results in abrasion tests shall exceed 25 mm<br>None of the overall water absorption test results shall exceed 8% by mass.<br>(Any color and thickness)** | | | |
| 10.240.5200 | Terrazzo baseboard, 6 to 10 cm height, any thickness (With any surface treatment) | m | On the job | 16,10 |
| | **CONCRETE-REINFORCED, READY-MADE STAIR STEPS (TS EN 14843, TS 13631)** | | | |
| | **Flat steps<br>(step and riser as two pieces, With any surface treatment)** | | | |
| 10.240.5201 | Stair steps with marble aggregate | m² | On the job | 217,00 |
| 10.240.5202 | Stair steps with granite aggregate | m² | On the job | 245,00 |
| 10.240.5203 | Stair steps with andesite and basalt aggregate | m² | On the job | 245,00 |
| 10.240.5204 | Stair steps with quartz/silica + marble aggregate | m² | On the job | 278,00 |
| 10.240.5205 | Stair steps with quartz/silica aggregate | m² | On the job | 381,00 |
| | **L-shaped miter steps (one piece), With any surface treatment** | | | |
| 10.240.5221 | L-shaped stair steps with marble aggregate | m² | On the job | 258,00 |
| 10.240.5222 | L-shaped stair steps with granite aggregate | m² | On the job | 294,00 |
| 10.240.5223 | L-shaped stair steps with andesite and basalt aggregate | m² | On the job | 294,00 |
| 10.240.5224 | L-shaped stair steps with quartz/silica + marble aggregate | m² | On the job | 315,00 |
| 10.240.5225 | L-shaped stair steps with quartz/silica aggregate | m² | On the job | 430,00 |
| | **STAIR SKIRT BOARDS AND NOTCH BOARDS (TS EN 14843)** | | | |
| 10.240.5241 | Stair skirt boards (L) (With any surface treatment) | m | On the job | 31,00 |
| 10.240.5242 | Stair skirt boards (L) (With any surface treatment) | m | On the job | 33,50 |
| | **CONCRETE-REINFORCED, READY-MADE WINDOWSILLS, PARAPETS AND COPING TILES (TS 4060, TS 4063)** | | | |
| | **Windowsills, parapets and coping tiles (plain)<br>(With any surface treatment)** | | | |
| 10.240.5301 | Marble aggregate (plain) windowsills, parapets or coping tiles | m² | On the job | 265,00 |
| 10.240.5302 | Granite aggregate (plain) windowsills, parapets or coping tiles | m² | On the job | 295,00 |
| 10.240.5303 | Quartz/silica + marble aggregate (plain) windowsills, parapets or coping tiles | m² | On the job | 310,00 |
| 10.240.5304 | Quartz/silica aggregate (plain) windowsills, parapets or coping tiles | m² | On the job | 385,00 |
| | **Windowsills, parapets and coping tiles (L) (With any surface treatment)** | | | |
| 10.240.5321 | Marble aggregate (L) windowsills, parapets or coping tiles | m² | On the job | 285,00 |
| 10.240.5322 | Granite aggregate (L) windowsills, parapets or coping tiles | m² | On the job | 300,00 |
| 10.240.5323 | Quartz/silica + marble aggregate (L) windowsills, parapets or coping tiles | m² | On the job | 345,00 |
| 10.240.5324 | Quartz/silica aggregate (L) windowsills, parapets or coping tiles | m² | On the job | 385,00 |
| | **Windowsills, parapets and coping tiles (U) (With any surface treatment)** | | | |
| 10.240.5341 | Marble aggregate (U) windowsills, parapets or coping tiles | m² | On the job | 345,00 |
| 10.240.5342 | Granite aggregate (U) windowsills, parapets or coping tiles | m² | On the job | 375,00 |
| 10.240.5343 | Quartz/silica + marble aggregate (U) windowsills, parapets or coping tiles | m² | On the job | 415,00 |
| 10.240.5344 | Quartz/silica aggregate (U) windowsills, parapets or coping tiles | m² | On the job | 445,00 |
| | **ANTI-SLIP STAIR STRIPS** | | | |
| 10.240.5401 | Production of factory-made anti-slip stair strips made of a single row of rubber strip (0.7-cm indents shall be made 3 or 4 cm inside the edge of the step, and a rubber strip shall be placed in the indent) | m | On the job | 34,90 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.5402 | Production of factory-made anti-slip stair strips made of two rows of rubber strip (0.7-cm indents shall be made at 3-cm intervals 3 or 4 cm inside the edge of the step, and a rubber strip shall be placed in the indent) | m | On the job | 55,60 |
| 10.240.5403 | Production of factory-made anti-slip stair strips by sandblasting (3-4 cm inside the edge of the step shall be sandblasted in a width of 4 to 6 cm after it is polished) | m | On the job | 30,30 |
| 10.240.5404 | Production of factory-made anti-slip stair strips using Aska strips (After polishing, 6 to 12 rows of 0.3-cm-deep and 0.3-cm-wide grooves shall be made by blades 3 or 4 cm inside the steps) | m | On the job | 30,30 |
| 10.240.5405 | Factory-production of anti-slip strips for stairs in the form of corner cords in single lines (4x2 cm of rubber shall be placed on the edge of the steps at the production stage and polished with the step) | m | On the job | 69,00 |
| 10.240.5406 | Factory-production of anti-slip stair strips in the form of resin tapes (After the polishing is done, a 3 to 5-cm-wide and 0.5-cm-deep groove shall be made 3 to 4 cm from the edge of the step and filled with resin-based binder and silicon.) | m | On the job | 58,00 |
| 10.240.5411 | 4 to 5-cm-wide anti-slip strips for the steps | m | On the job | 6,40 |
| 10.240.5412 | 2.5 to 3-cm-wide anti-slip strips for the steps | m | On the job | 3,30 |
| | **GYPSUM BUILDING PLASTERS (TS EN 13279-1, 2)** | | | |
| 10.240.5506 | Machine-applied plaster mortar | Kg | On the job | 0,54 |
| 10.240.5507 | Perlite Plaster Mortar | Kg | On the job | 0,45 |
| 10.240.5508 | Fine Application Plaster (Satin plaster) | Kg | On the job | 0,84 |
| 10.240.5509 | Building Plaster for Fiber-reinforced Components | Kg | On the job | 0,45 |
| 10.240.5510 | Masonry Plaster | Kg | On the job | 0,52 |
| | **PLASTERS USED FOR INSTALLATION OF GYPSUM BOARDS** | | | |
| 10.240.5513 | Joint filling plaster (TS EN 13963) | Kg | On the job | 0,97 |
| 10.240.5514 | Adhesion plaster (TS EN 14496) | Kg | On the job | 0,97 |
| | **OTHER STRUCTURAL PLASTERS** | | | |
| 10.240.5517 | Self-leveling, plaster-based floor bedding mortar (TS EN 13813) | Kg | On the job | 2,30 |
| 10.240.5518 | Plaster-based Ready-mix Floor Mortar (TS EN 13813) | Kg | On the job | 0,56 |
| | **GYPSUM BOARDS (TS EN 520 + A1)** | | | |
| 10.240.5581 | 6 to 6.5 mm thick standard (Type A) gypsum board | m² | On the job | 25,80 |
| 10.240.5582 | 9.5 mm thick standard (Type A) gypsum board | m² | On the job | 10,60 |
| 10.240.5583 | 12.5 mm thick standard (Type A) gypsum board | m² | On the job | 10,80 |
| 10.240.5584 | 15 mm thick standard (Type A) gypsum board | m² | On the job | 14,20 |
| 10.240.5585 | 18 mm thick standard (Type A) gypsum board | m² | On the job | 31,60 |
| 10.240.5593 | 12.5 mm thick gypsum board with reduced water absorption rate (Type H1) | m² | On the job | 17,40 |
| 10.240.5594 | 15 mm thick gypsum board with reduced water absorption rate (Type H1) | m² | On the job | 21,90 |
| 10.240.5595 | 18 mm thick gypsum board with reduced water absorption rate (Type H1) | m² | On the job | 48,50 |
| 10.240.5603 | 12.5 mm thick gypsum board with reduced water absorption rate (Type H2) | m² | On the job | 15,60 |
| 10.240.5604 | 15 mm thick gypsum board with reduced water absorption rate (Type H2) | m² | On the job | 20,00 |
| 10.240.5605 | 18 mm thick gypsum board with reduced water absorption rate (Type H2) | m² | On the job | 43,70 |
| 10.240.5613 | 12.5 mm thick (Type F) gypsum board with enhanced fire resistance | m² | On the job | 15,20 |
| 10.240.5614 | 15 mm thick (Type F) gypsum board with enhanced fire resistance | m² | On the job | 18,40 |
| 10.240.5615 | 18 mm thick (Type F) gypsum board with enhanced fire resistance | m² | On the job | 40,40 |
| 10.240.5623 | 12.5 mm thick (Type FH1) gypsum board with enhanced fire resistance and reduced water absorption rate | m² | On the job | 22,70 |
| 10.240.5624 | 15 mm thick (Type FH1) gypsum board with enhanced fire resistance and reduced water absorption rate | m² | On the job | 26,50 |
| 10.240.5625 | 18 mm thick (Type FH1) gypsum board with enhanced fire resistance and reduced water absorption rate | m² | On the job | 58,00 |
| 10.240.5633 | 12.5 mm thick (Type FH2) gypsum board with enhanced fire resistance and reduced water absorption rate | m² | On the job | 20,60 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.5634 | 15 mm thick (Type FH2) gypsum board with enhanced fire resistance and reduced water absorption rate | m² | On the job | 23,90 |
| 10.240.5635 | 18 mm thick (Type FH2) gypsum board with enhanced fire resistance and reduced water absorption rate | m² | On the job | 53,00 |
| 10.240.5643 | 12.5 mm thick (Type DF) gypsum board with enhanced fire resistance and density | m² | On the job | 16,80 |
| 10.240.5644 | 15 mm thick (Type DF) gypsum board with enhanced fire resistance and density | m² | On the job | 20,60 |
| 10.240.5653 | 12.5 mm thick (Type IR) gypsum board with enhanced surface rigidity and break resistance | m² | On the job | 16,10 |
| 10.240.5654 | 15 mm thick (Type IR) gypsum board with enhanced surface rigidity and break resistance | m² | On the job | 20,60 |
| 10.240.5673 | 12.5 mm thick (Type DFIR) gypsum board with enhanced surface rigidity, break resistance, density and fire resistance | m² | On the job | 16,80 |
| 10.240.5674 | 15 mm thick (Type DFIR) gypsum board with enhanced surface rigidity, break resistance, density and fire resistance | m² | On the job | 21,30 |
| 10.240.5683 | 12.5 mm thick (Type FH2IR) gypsum board with enhanced fire resistance, surface rigidity, break resistance and reduced water absorption rate | m² | On the job | 17,30 |
| 10.240.5684 | 15 mm thick (Type FH2IR) gypsum board with enhanced fire resistance, surface rigidity, break resistance and reduced water absorption rate | m² | On the job | 21,70 |
| 10.240.5693 | 12.5 mm thick (Type DFH1IR) gypsum board with enhanced density, fire resistance, surface rigidity, break resistance and reduced water absorption rate | m² | On the job | 29,60 |
| 10.240.5694 | 15 mm thick (Type DFH1IR) gypsum board with enhanced density, fire resistance, surface rigidity, break resistance and reduced water absorption rate | m² | On the job | 33,80 |
| 10.240.5703 | 12.5 mm thick (Type DFH2IR) gypsum board with enhanced density, fire resistance, surface rigidity, break resistance and reduced water absorption rate | m² | On the job | 26,90 |
| 10.240.5704 | 15 mm thick (Type DFH2IR) gypsum board with enhanced density, fire resistance, surface rigidity, break resistance and reduced water absorption rate | m² | On the job | 30,30 |
| | **GYPSUM BOARDS REINFORCED WITH FELT-TYPE FIBER (TS EN 15283-1+A1)** | | | |
| 10.240.5713 | 12.5 mm thick (Type GM-FH1) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance and reduced water absorption rate | m² | On the job | 45,50 |
| 10.240.5714 | 15 mm thick (Type GM-FH1) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance and reduced water absorption rate | m² | On the job | 52,00 |
| 10.240.5723 | 12.5 mm thick (Type GM-FH1R) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance, break resistance and reduced water absorption rate | m² | On the job | 50,40 |
| 10.240.5724 | 15 mm thick (Type GM-FH1R) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance, break resistance and reduced water absorption rate | m² | On the job | 56,90 |
| 10.240.5733 | 12.5 mm thick (Type GM-FR) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance and break resistance | m² | On the job | 56,90 |
| 10.240.5734 | 15 mm thick (Type GM-FR) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance and break resistance | m² | On the job | 89,20 |
| 10.240.5735 | 20 mm thick (Type GM-FR) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance and break resistance | m² | On the job | 166,00 |
| 10.240.5736 | 25 mm thick (Type GM-FR) gypsum board with both surfaces coated with glass fiber, enhanced fire resistance and break resistance | m² | On the job | 214,00 |
| 10.240.5743 | 12.5 mm thick (Type GM-F) gypsum board with both surfaces coated with glass fiber, and enhanced fire resistance | m² | On the job | 52,00 |
| 10.240.5744 | 15 mm thick (Type GM-F) gypsum board with both surfaces coated with glass fiber, and enhanced fire resistance | m² | On the job | 84,70 |
| 10.240.5745 | 20 mm thick (Type GM-F) gypsum board with both surfaces coated with glass fiber, and enhanced fire resistance | m² | On the job | 161,00 |
| 10.240.5746 | 25 mm thick (Type GM-F) gypsum board with both surfaces coated with glass fiber, and enhanced fire resistance | m² | On the job | 204,00 |
| | **GYPSUM BOARDS REINFORCED WITH CELLULOSIC FIBER (TS EN 15283-2+A1)** | | | |
| 10.240.5753 | 10 mm thick board made of a mixture of gypsum mortar and cellulose | m² | On the job | 36,20 |
| 10.240.5754 | 12.5 mm thick board made of a mixture of gypsum mortar and cellulose | m² | On the job | 43,30 |
| 10.240.5755 | 15 mm thick board made of a mixture of gypsum mortar and cellulose | m² | On the job | 47,80 |
| | **GYPSUM BOARD PRODUCTS (TS EN 14190)** | | | |
| 10.240.5763 | 8 mm thick, 60 x 60-cm gypsum ceiling tile (Type A) | m² | On the job | 19,40 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.5764 | 9.5 mm thick, 60 x 60-cm gypsum ceiling tile (Type A) with coated front surface | m² | On the job | 22,60 |
| 10.240.5765 | 8 mm thick, 60 x 60-cm gypsum ceiling tile (Type A) with PVC-paneled front surface and metal film-paneled rear surface | m² | On the job | 23,90 |
| 10.240.5766 | 9.5 mm thick, 60 x 60-cm gypsum ceiling tile (Type A) with PVC-paneled front surface, and metal film-paneled rear surface | m² | On the job | 30,00 |
| 10.240.5768 | 9.5 mm thick, 60 x 60-cm gypsum ceiling tile (Type H2) with reduced water absorption rate and coated front surface | m² | On the job | 36,80 |
| 10.240.5780 | 9.5 mm thick, 60 x 60-cm gypsum ceiling tile (Type A) with PVC-paneled front surface, metal film-paneled rear surface and reduced water absorption rate | m² | On the job | 42,00 |
| 10.240.5782 | 9.5-mm-thick, 60 x 60-cm perforated gypsum ceiling tile (Type A) with coated front surface and glass tissue-covered rear surface | m² | On the job | 43,30 |
| 10.240.5784 | 9.5-mm-thick, 60 x 120-cm perforated gypsum ceiling tile (Type A) with coated front surface and glass tissue-covered rear surface | m² | On the job | 43,30 |
| 10.240.5786 | 9.5 mm thick, 60 x 60-cm perforated gypsum ceiling tile (Type A) with PVC-paneled front surface, and glass tissue-covered rear surface | m² | On the job | 45,20 |
| 10.240.5791 | 12.5-mm-thick, irregularly perforated gypsum boards (Type A) with one surface covered with glass tissue | m² | On the job | 84,70 |
| 10.240.5792 | 12.5 m thick, regularly perforated gypsum boards (Type A) with one surface covered with glass tissue | m² | On the job | 59,70 |
| 10.240.5793 | 12.5 m thick, perforated, curbed gypsum boards (Type A) with one surface covered with glass tissue | m² | On the job | 49,70 |
| 10.240.5794 | 7 mm thick, 60 x 60-cm gypsum ceiling tile (Type A) with coated front surface | m² | On the job | 21,30 |
| | **PVC-BASED FLOORING** | | | |
| | **A) Elastic Flooring, fire class Bfl s1, Anti-bacterial<br>TS EN ISO 10581, TS EN ISO 24343-1, TS EN ISO 24344,<br>TS EN 684, TS EN ISO 10874, TS EN 660-2** | | | |
| | **2- Flexible, homogeneous, heterogeneous, 2.0-mm-thick** | | | |
| 10.240.6001 | Homogeneous (Group: P)<br>(Abrasion - thickness loss: AL ≤ 0.15 mm or Volume loss Fv ≤ 4.0 mm³)<br>(Permanent submersion ≤ 0.10 mm) | m² | On the job | 131,00 |
| 10.240.6002 | Heterogeneous (Group: T)<br>Pure PVC with top layer thickness min. 0.55 mm<br>(Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm³)<br>(Permanent submersion ≤ 0.10 mm) | m² | On the job | 110,00 |
| 10.240.6003 | Homogeneous (Group: T)<br>(Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm³)<br>(Permanent submersion ≤ 0.10 mm) | m² | On the job | 164,00 |
| 10.240.6010 | Heterogeneous (Group: T)<br>Pure PVC with top layer thickness min. 0.70 mm<br>(Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm³)<br>(Permanent submersion ≤ 0.10 mm) | m² | On the job | 129,00 |
| | **4- Flexible, homogeneous, 2.0-mm thick, conductor tile.<br>Electrical resistance: 10^4 ohms - 10^6 ohms.** | | | |
| 10.240.6011 | Group: T<br>(Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm³)<br>(Permanent submersion ≤ 0.10 mm) | m² | On the job | 204,00 |
| 10.240.6012 | Group: P<br>(Abrasion - thickness loss: AL ≤ 0.15 mm or Volume loss Fv ≤ 4.0 mm³)<br>(Permanent submersion ≤ 0.10 mm) | m² | On the job | 174,00 |
| | **5- Flexible, heterogeneous, granule surface, non-slip, 2.0-mm thick (Group T)<br>(Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm³)<br>(Permanent submersion ≤ 0.10 mm)** | | | |
| 10.240.6021 | Wet areas<br>Pure PVC with top abrasion layer thickness min. 0.55 mm | m² | On the job | 137,00 |
| 10.240.6022 | Inclined surfaces (ramps)<br>Pure PVC with top abrasion layer thickness min. 0.70 mm | m² | On the job | 170,00 |
| | **B) Elastic Flooring (with foam backing), fire class Cfl s1, Anti-bacterial<br>TS EN 651, TS EN ISO 24340, TS EN ISO 24343-1, TS EN 684** | | | |
| 10.240.6031 | Flexible, heterogeneous, min. 3.0-mm thick, top layer thickness min. 0.65 mm<br>(Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm³)<br>(Permanent submersion ≤ 0.20 mm) (Sound insulation: min. 15 Db) Group: T | m² | On the job | 155,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **C- PVC-based flooring chemicals and accessories** | | | |
| 10.240.6051 | PVC-based flexible baseboard | m | On the job | 11,50 |
| 10.240.6052 | PVC-based, self-rotational capped baseboard | m | On the job | 17,40 |
| 10.240.6053 | Welding cord | m | On the job | 2,45 |
| 10.240.6054 | PVC-based transition profile<br>(4 cm of width, min. 2 mm of wall thickness) | m | On the job | 14,60 |
| 10.240.6055 | Aluminum-based transition profile (4-cm wide) | m | On the job | 29,00 |
| 10.240.6056 | PVC-based stair nosing | m | On the job | 20,90 |
| 10.240.6057 | PVC-based sideboard cushion | m | On the job | 9,70 |
| 10.240.6058 | Acrylic-based PVC Adhesive | Kg | On the job | 29,00 |
| 10.240.6059 | Acrylic-based Carbon-Reinforced Conductor PVC Adhesive | Kg | On the job | 66,00 |
| | NOTE:<br>1- The bottom layer of the heterogeneous material shall be non-absorbent, non-breakable, flexible, made of weldable PVC, etc. mixture for its entire thickness (1.5 mm or 2.0 mm); and shall not be foam, swollen or expanded foam, cork, etc. Heterogeneous material with 1.5 mm thickness shall be min. 2100 g/m², and heterogeneous material with 2 mm thickness shall be min. 2800 g/m². In addition, a certificate of compliance with the EN 649 standard issued by an internationally accredited organization shall be required. The condition that fire class as well as volume test and abrasion thickness loss test results are published by the manufacturers on their international websites shall be sought. (This definition applies to the items no. 10.240.6001...6022) Samples shall be taken with the administration before the materials (item no. 10.240.6001...6031) under the aforementioned titles 10.240.6001...6031 are manufactured. The samples shall be tested by an accredited laboratory. The approved test results shall be annexed to the payment receipt.<br>2-10.240.6001 - Administrator and personnel rooms, guest houses, day care centers, infirmaries, etc. of public institutions and organizations.<br>10.240.6002 - Administrator and personnel rooms , (except hospitals) guest houses, day care centers, etc. of public institutions and organizations.<br>10.240.6003/6010 - All corridors of public service buildings, hearing rooms of court houses, fitness and multi-purpose rooms, hospital intensive care units, patient rooms (except hospital operating rooms and x-ray rooms), outpatient clinics, rehabilitation centers, community healthcare centers, cafeterias, classrooms, dormitories, libraries, laboratories, and any area where medical stretchers and trolleys may be used, etc.<br>10.240.6011/6012 - Hospital operating rooms, x-ray rooms, IT main switch rooms, production and storage areas of defense industry, electronics production and repair areas, etc.<br>10.240.6021/6022 - Wet surfaces and inclined surfaces (ramps), etc.<br>10.240.6031 - Meeting and conference halls, and reading rooms of libraries, etc. | | | |
| | **INDOOR COATING MATERIALS FOR SPORTS HALLS**<br>**Fire Class Cfl s1 (TS EN 14904)** | | | |
| 10.240.6071 | EN 1480825 ≤ Shock Absorption < 35,<br>EN 14809Vertical Deformation ≤ 2 mm,<br>EN 13036-4 80 <= Friction Coefficient ≤ 110,<br>EN 12235 Ball Bounce min. 90%,<br>EN 1516 Penetration Resistance max. 0.5 mm,<br>TS 8103 EN ISO 5470-1<br>Abrasion Resistance: max. 1000 mg | m² | On the job | 325,00 |
| 10.240.6072 | EN 14808 35 ≤ Shock Absorption < 45,<br>EN 14809 Vertical Deformation ≤ 3 mm,<br>EN 13036-4 80 <= Friction Coefficient ≤ 110,<br>EN 12235 Ball Bounce min. 90%,<br>EN 1516 Penetration Resistance max. 0.5 mm,<br>TS 8103 EN ISO 5470-1<br>Abrasion Resistance: max. 1000 mg | m² | On the job | 425,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.6073 | EN 14808 45 ≤ Shock Absorption,<br>EN 14809 Vertical Deformation ≤ 3.5 mm,<br>EN 13036-4 80 <= Friction Coefficient ≤ 110,<br>EN 12235 Ball Bounce min. 90%,<br>EN 1516 Penetration Resistance max. 0.5 mm,<br>TS 8130 ISO 6670, TS EN ISO 5470-1<br>Abrasion Resistance: max. 1000 mg | m² | On the job | 575,00 |
| | Note: A document issued by an internationally accredited organization and indicating that the said materials were manufactured per TS EN 14904 and TÜRKAK-approved compliance test results shall be requested. | | | |
| | **LINOLEUM FLOORING (TS EN ISO 24011)**<br>**(Fire Class Cfl s1)** | | | |
| 10.240.6101 | 2 mm thickness (Class 32-41 - TS EN ISO 10874)<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 174,00 |
| 10.240.6102 | 2.5 mm thickness (Class 34-43 - TS EN ISO 10874)<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 200,00 |
| 10.240.6103 | 3.2 mm thickness (Class 34-43 - TS EN ISO 10874)<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 265,00 |
| 10.240.6104 | Linoleum welding cord | m | On the job | 2,45 |
| 10.240.6105 | Acrylic-based linoleum adhesive | Kg | On the job | 29,00 |
| | **LUXURY VINYL TILES (LVT)**<br>**(TS EN 14041, TS EN ISO 10582)**<br>**(Fire Class Bfl S1)** | | | |
| 10.240.6122 | Top layer thickness: 0.55 mm - Total thickness: 2.5 mm<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 145,00 |
| 10.240.6123 | Top layer thickness: 0.70 mm - Total thickness: 2.5 mm<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 159,00 |
| 10.240.6127 | Top layer thickness: 0.30 mm - Total thickness: 5 mm<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 210,00 |
| 10.240.6128 | Top layer thickness: 0.55 mm - Total thickness: 5 mm<br>(Permanent submersion =<0.10 mm - TS EN ISO 24343-1) | m² | On the job | 225,00 |
| | **LAY-ON CEILING SYSTEM**<br>**(Min. 20-micron-thick coat of electrostatic polyester powder paint) (TS EN 13964)** | | | |
| 10.240.6501 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 122,00 |
| 10.240.6502 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 126,00 |
| 10.240.6503 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 146,00 |
| 10.240.6504 | 0.50-mm-thick, 30x30-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 135,00 |
| 10.240.6505 | 0.70-mm-thick, 30x30-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 139,00 |
| 10.240.6506 | 0.50-mm-thick, 30x30-cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 137,00 |
| 10.240.6507 | 0.70-mm-thick, 30x30-cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 139,00 |
| 10.240.6508 | 0.50-mm-thick, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 139,00 |
| 10.240.6509 | 0.70-mm-thick, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 146,00 |
| 10.240.6510 | Unperforated plate sized 60 x 60-cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 113,00 |
| 10.240.6511 | Perforated plate sized 60 x 60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 113,00 |
| 10.240.6512 | Perforated plate sized 60x60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric | m² | On the job | 122,00 |
| 10.240.6513 | Unperforated plate sized 60 x 120-cm with 0.60-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 126,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.6514 | Perforated plate sized 60 x 120-cm with 0.60-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 135,00 |
| 10.240.6515 | Perforated plate sized 60x120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric | m² | On the job | 155,00 |
| | **LAY-IN CEILING SYSTEM**<br>**(Min. 20-micron-thick coat of electrostatic polyester powder paint) (TS EN 13964)** | | | |
| 10.240.6551 | 0.70-mm-thick, 60 x 60-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 122,00 |
| 10.240.6552 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 126,00 |
| 10.240.6553 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 139,00 |
| 10.240.6554 | 0.50-mm-thick, 30x30-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 135,00 |
| 10.240.6555 | 0.70-mm-thick, 30 x 30-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 137,00 |
| 10.240.6556 | 0.50-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 135,00 |
| 10.240.6557 | 0.70-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 139,00 |
| 10.240.6558 | 0.50-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 146,00 |
| 10.240.6559 | 0.70-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 146,00 |
| 10.240.6560 | Unperforated plate sized 60 x 60-cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 100,00 |
| 10.240.6561 | Perforated plate sized 60 x 60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 109,00 |
| 10.240.6562 | Perforated plate sized 60x60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric | m² | On the job | 122,00 |
| 10.240.6563 | Unperforated plate sized 60 x 120-cm with 0.60-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 113,00 |
| 10.240.6564 | Perforated plate sized 60 x 120-cm with 0.60-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 122,00 |
| 10.240.6565 | Perforated plate sized 60x120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric | m² | On the job | 135,00 |
| | **CLIP-IN CEILING SYSTEM**<br>**(Min. 20-micron-thick coat of electrostatic polyester powder paint) (TS EN 13964)** | | | |
| 10.240.6601 | 0.70-mm-thick, 60 x 60-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 126,00 |
| 10.240.6602 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 139,00 |
| 10.240.6603 | 0.70-mm-thick, 60x60 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 158,00 |
| 10.240.6604 | 0.50-mm-thick, 30x30-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 135,00 |
| 10.240.6605 | 0.70-mm-thick, 30 x 30-cm, EN AW 3000 series unperforated aluminum plate | m² | On the job | 151,00 |
| 10.240.6606 | 0.50-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 137,00 |
| 10.240.6607 | 0.70-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate | m² | On the job | 157,00 |
| 10.240.6608 | 0.50-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 139,00 |
| 10.240.6609 | 0.70-mm-thick, 30 x 30-cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric | m² | On the job | 161,00 |
| 10.240.6610 | Unperforated plate sized 60 x 60-cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 116,00 |
| 10.240.6611 | Perforated plate sized 60 x 60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 118,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.6612 | Perforated plate sized 60x60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric | m² | On the job | 130,00 |
| 10.240.6613 | Unperforated plate sized 30 x 120 with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 124,00 |
| 10.240.6614 | Perforated plate sized 30 x 120 with 0.50-mm thickness, made of hot-dip galvanized sheet metal | m² | On the job | 142,00 |
| 10.240.6615 | Perforated plate sized 30 x 120 with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric | m² | On the job | 142,00 |
| | **ALUMINUM LAMELLAR SUSPENDED CEILINGS (TS EN 13964) (EN AW 3000 series) (Aluminum fins factory-coated by a roller system with the internal surfaces coated with min. 5 microns of epoxy primer and min. 20 microns of polyester final layer, and the surface facing ceiling coated with 5 microns of epoxy primer)** | | | |
| 10.240.6651 | 85-mm-wide, 0.70-mm-thick | m² | On the job | 109,00 |
| 10.240.6652 | 85-mm-wide, 0.50-mm-thick (self-jointed) | m² | On the job | 135,00 |
| 10.240.6653 | 85-mm-wide, 0.70-mm-thick (perforated) | m² | On the job | 135,00 |
| 10.240.6654 | 100-mm-wide, 0.70-mm-thick | m² | On the job | 109,00 |
| 10.240.6655 | 100-mm-wide, 0.50-mm-thick (self-jointed) | m² | On the job | 126,00 |
| 10.240.6656 | 100-mm-wide, 0.70-mm-thick (perforated) | m² | On the job | 135,00 |
| 10.240.6657 | 250-mm-wide, 0.70-mm-thick | m² | On the job | 117,00 |
| 10.240.6658 | 100-mm-wide, 50-mm-high V-shaped, 0.70-mm-thick | m² | On the job | 157,00 |
| 10.240.6659 | 15-mm-wide, 0.50-mm-thick joint strip | m | On the job | 11,90 |
| 10.240.6660 | 20-mm-wide, 0.50-mm-thick joint strip | m | On the job | 11,90 |
| 10.240.6661 | Edge U-profile (0.50 mm thickness) | m | On the job | 9,70 |
| | **PROFILE SYSTEMS USED FOR INTERNALLY-APPLIED INSULATION (TS EN 13964)** | | | |
| 10.240.6681 | 0.50-mm-thick, min. 20-mm-wide, U-profile hot-dip galvanized sheet metal | m | On the job | 4,20 |
| 10.240.6682 | 0.60-mm-thick, min. 48-mm-wide, C-profile hot-dip galvanized sheet metal | m | On the job | 7,30 |
| 10.240.6683 | Fixing tools (75-mm or 100-mm-long galvanized sheet metal fixing rod and galvanized sheet metal adjusting ring) | Qty | On the job | 5,30 |
| 10.240.6684 | 1-mm-thick, min. 48-mm-wide galvanized sheet metal window retainer | Qty | On the job | 2,70 |
| | **ROCK WOOL SUSPENDED CEILING AND WALL PANELS (TS EN 13964) (Fire Class A2 s1 d0)** | | | |
| 10.240.6731 | Rock wool suspended ceiling panel with 15 mm thickness, painted front side and 50 kg/m³ density | m² | On the job | 115,00 |
| 10.240.6732 | 40-mm-thick glass wool wall panel with both sides covered with acoustic fabric or painted, and 95 kg/m³ density | m² | On the job | 645,00 |
| 10.240.6733 | 40-mm-thick glass wool suspended ceiling panel with the front surface covered with acoustic fabric or painted, the back surface covered with glass tissue with 95 kg/m³ density | m² | On the job | 575,00 |
| 10.240.6734 | 20-mm-thick glass wool wall panel with the front surface covered with acoustic fabric, the back surface covered with glass tissue with 95 kg/m³ density | m² | On the job | 410,00 |
| 10.240.6735 | 40-mm-thick glass wool wall panel with the front surface covered with acoustic fabric, the back surface covered with glass tissue with 95 kg/m³ density | m² | On the job | 550,00 |
| | **ROCK WOOL SUSPENDED CEILING PANELS (Density: min. 120 kg/m³) (Rockwool rate: min. 50%) (Fire class: min. A2 S1 D0) (TS EN 13964)** | | | |
| | **Rock wool suspended ceiling panels seated on T24 carriers** | | | |
| 10.240.6751 | White-coated rock wool suspended ceiling panel with alpha w value of min. 0.45 as per TS EN ISO 11654, 12 mm thickness, and resistance to min. 70% relative humidity | m² | On the job | 38,70 |
| 10.240.6752 | White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 70% relative humidity | m² | On the job | 42,60 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.6753 | White-coated, sandy and perforated rock wool suspended ceiling panel with blunt edge finish, alpha w value of min. 0.60 and Dnfw value of min. 29 dDB as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 90% relative humidity | m² | On the job | 61,40 |
| 10.240.6754 | White-coated, tightly perforated rock wool suspended ceiling panel with blunt edge finish, alpha w value of min. 0.60 and Dnfw value of min. 31 dDB as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 95% relative humidity | m² | On the job | 55,60 |
| 10.240.6755 | Suspended ceiling panel with 15 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.55 and a minimum Dnfw value of 32 dB as per TS EN ISO 11654, with a white sandy surface and blunt edge finish. | m² | On the job | 102,00 |
| 10.240.6756 | Suspended ceiling panel with 15 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.80 and a minimum Dnfw value of 25 dB as per TS EN ISO 11654, with a white laminated surface and blunt edge finish. | m² | On the job | 112,00 |
| 10.240.6757 | Suspended ceiling panel with min. 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.95 and a minimum Dnfw value of 25 dB as per TS EN ISO 11654, with a white laminated surface and blunt edge finish. | m² | On the job | 142,00 |
| 10.240.6758 | Suspended ceiling panel with min. 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 1.0 and a minimum Dnfw value of 24 dB as per TS EN ISO 11654, with a white laminated surface and blunt edge finish. | m² | On the job | 168,00 |
| 10.240.6759 | Suspended ceiling panel with 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.60 and a minimum Dnfw value of 40 dB as per TS EN ISO 11654, with a white laminated surface and blunt edge finish. | m² | On the job | 217,00 |
| | **Rock wool suspended ceiling panels laid-on T24 carriers** | | | |
| 10.240.6771 | White-coated, tightly perforated rock wool suspended lay-in ceiling panel with alpha w value of min. 0.60 and Dnfw value of min. 31 dDB as per TS EN ISO 11654, 15 mm thickness, resistance to min. 95% relative humidity and edge end laid-on T24. | m² | On the job | 90,00 |
| 10.240.6772 | Suspended lay-in ceiling panel with 15 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.55 and a minimum Dnfw value of 35 dB as per TS EN ISO 11654, white sandy surface, and edge end laid-on T24. | m² | On the job | 115,00 |
| 10.240.6773 | Suspended ceiling lay-in panel with 15 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.80 and a minimum Dnfw value of 25 dB as per TS EN ISO 11654, white laminated surface, and edge end laid-on T24. | m² | On the job | 109,00 |
| 10.240.6774 | Suspended ceiling lay-in panel with min. 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.95 and a minimum Dnfw value of 25 dB as per TS EN ISO 11654, white laminated surface, and edge end laid-on T24. | m² | On the job | 168,00 |
| 10.240.6775 | Suspended ceiling lay-in panel with min. 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 1.0 and a minimum Dnfw value of 24 dB as per TS EN ISO 11654, white laminated surface, and edge end laid-on T24. | m² | On the job | 187,00 |
| 10.240.6776 | Suspended ceiling panel with 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.60 and a minimum Dnfw value of 40 dB as per TS EN ISO 11654, white laminated surface and edge end laid-on T24. | m² | On the job | 239,00 |
| | **Rock wool suspended ceiling panels laid-on T15 carriers** | | | |
| 10.240.6791 | White-coated, tightly perforated rock wool suspended lay-in ceiling panel with alpha w value of min. 0.60 and Dnfw value of min. 31 dDB as per TS EN ISO 11654, 15 mm thickness, resistance to min. 95% relative humidity, and edge end laid-on T15. | m² | On the job | 100,00 |
| 10.240.6792 | Suspended lay-in ceiling panel with 15 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.55 and a minimum Dnfw value of 35 dB as per TS EN ISO 11654, white sandy surface, and edge end laid-on T15. | m² | On the job | 125,00 |
| 10.240.6793 | Suspended ceiling lay-in panel with 15 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.85 and a minimum Dnfw value of 25 dB as per TS EN ISO 11654, white laminated surface and edge end laid-on T15. | m² | On the job | 130,00 |
| 10.240.6794 | Suspended ceiling lay-in panel with min. 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.95 and a minimum Dnfw value of 25 dB as per TS EN ISO 11654, white laminated surface, and edge end laid-on T15. | m² | On the job | 170,00 |
| 10.240.6795 | Suspended ceiling lay-in panel with min. 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 1.0 and a minimum Dnfw value of 24 dB as per TS EN ISO 11654, white laminated surface, and edge end laid-on T15. | m² | On the job | 180,00 |
| 10.240.6796 | Suspended ceiling panel with 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.60 and a minimum Dnfw value of 40 dB as per TS EN ISO 11654, white laminated surface and edge end laid-on T15. | m² | On the job | 240,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Rock wool suspended ceiling panels with concealed T24 carriers** | | | |
| 10.240.6811 | Suspended ceiling panel with 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.75 and a minimum Dnfw value of 33 dB as per TS EN ISO 11654, white laminated surface and edge concealing T24 carrier. | m² | On the job | 265,00 |
| 10.240.6812 | Suspended ceiling panel with 19 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.65 and a minimum Dnfw value of 35 dB as per TS EN ISO 11654, white sandy surface and edge concealing T24 carrier. | m² | On the job | 155,00 |
| 10.240.6813 | Suspended ceiling panel with 17 mm thickness, 95% relative humidity resistance, with a minimum alpha w value of 0.90 and a minimum Dnfw value of 29 dB as per TS EN ISO 11654, white laminated surface and edge concealing T24 carrier. | m² | On the job | 239,00 |
| | **PVC FACADE AND WALL CLADDING, SUSPENDED CEILING** | | | |
| 10.240.7201 | Hard PVC cladding panel used for cladding outside walls of buildings (TS 10883) | m² | On the job | 63,30 |
| 10.240.7202 | Hard PVC cladding panel used for cladding interior surfaces of buildings (TS 10884) | m² | On the job | 50,40 |
| 10.240.7203 | Hard PVC suspended ceiling panels in any color and pattern (60 cm x 60 cm) (TS 10884) | m² | On the job | 56,90 |
| | **GLASS, CERAMIC, NATURAL STONE MOSAICS**<br>**(Any color, size, form and pattern, meshed (lined up on mesh))** | | | |
| 10.240.8001 | Glass mosaics | m² | On the job | 100,00 |
| 10.240.8002 | Ceramic mosaics | m² | On the job | 134,00 |
| 10.240.8003 | Natural stone mosaics<br>(Jointless - Polished Surface) | m² | On the job | 200,00 |
| 10.240.8004 | Natural stone mosaics<br>(Jointed - Plain Surface) | m² | On the job | 220,00 |
| | **CEMENT-BONDED PARTICLE BOARDS (TS EN 634-1, 2)** | | | |
| 10.240.8051 | 8 mm thickness | m² | On the job | 29,00 |
| 10.240.8052 | 10 mm thickness | m² | On the job | 36,00 |
| 10.240.8053 | 12 mm thickness | m² | On the job | 43,50 |
| 10.240.8054 | 14 mm thickness | m² | On the job | 51,00 |
| 10.240.8055 | 16 mm thickness | m² | On the job | 58,50 |
| 10.240.8056 | 18 mm thickness | m² | On the job | 65,50 |
| 10.240.8057 | 20 mm thickness | m² | On the job | 73,00 |
| 10.240.8058 | 24 mm thickness | m² | On the job | 87,00 |
| 10.240.8059 | 28 mm thickness | m² | On the job | 102,00 |
| 10.240.8060 | 30 mm thickness | m² | On the job | 110,00 |
| | **FLAT BOARDS MADE OF FIBER-REINFORCED CEMENT (TS EN 12467+A2)**<br>**(Market Prices of other thicknesses will be interpolated)** | | | |
| 10.240.8101 | 6 mm thickness | m² | On the job | 28,00 |
| 10.240.8102 | 8 mm thickness | m² | On the job | 32,00 |
| 10.240.8103 | 10 mm thickness | m² | On the job | 41,00 |
| 10.240.8104 | 12 mm thickness | m² | On the job | 49,00 |
| 10.240.8105 | 14 mm thickness | m² | On the job | 56,00 |
| 10.240.8106 | 16 mm thickness | m² | On the job | 64,50 |
| 10.240.8107 | 18 mm thickness | m² | On the job | 73,00 |
| 10.240.8108 | 20 mm thickness | m² | On the job | 81,00 |
| | **MAGNESIUM-OXIDE-BASED BOARDS (ETA)**<br>**(Market Prices of other thicknesses will be interpolated)** | | | |
| 10.240.8201 | 4 mm thickness | m² | On the job | 17,00 |
| 10.240.8202 | 6 mm thickness | m² | On the job | 25,00 |
| 10.240.8203 | 8 mm thickness | m² | On the job | 32,00 |
| 10.240.8204 | 10 mm thickness | m² | On the job | 40,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.8205 | 12 mm thickness | m² | On the job | 45,00 |
| 10.240.8206 | 14 mm thickness | m² | On the job | 51,00 |
| 10.240.8207 | 16 mm thickness | m² | On the job | 58,00 |
| 10.240.8208 | 18 mm thickness | m² | On the job | 67,00 |
| 10.240.8209 | 20 mm thickness | m² | On the job | 72,00 |
| | **PLASTIC PROFILE PANELS WITH FIBERGLASS-REINFORCED POLYESTER RESIN (CTP) CATEGORY 1, 3, 4 (TS EN 1013+A1)** | | | |
| | **A- Transparent roofing sheets** | | | |
| 10.240.9001 | 0.9-mm-thick, UV-resistant, translucent, grooved, trapezoidal roof panel coated with 30-micron-thick protective film or gel | m² | On the job | 55,00 |
| | **B- Opaque colored roofing sheets** | | | |
| 10.240.9011 | 1.5-mm-thick, UV-resistant, grooved/trapezoidal roof panel coated with 30-micron-thick protective film or gel | m² | On the job | 86,00 |
| 10.240.9012 | 1.8-mm-thick, UV-resistant, grooved/trapezoidal roof panel coated with 30-micron-thick protective film or gel | m² | On the job | 110,00 |
| 10.240.9013 | 2.0-mm-thick, UV-resistant, grooved/trapezoidal roof panel coated with 30-micron-thick protective film or gel | m² | On the job | 135,00 |
| | **C- Double-layer fiberglass-reinforced transparent polyester sandwich composite panel sheets** | | | |
| 10.240.9021 | UV-resistant, grooved/trapezoidal panels with 1.5mm thick top panel coated with 30-micron thick protective film or gel, 1.2 mm thick bottom plate without any film or gel, and polyethylene foam filling (of 30 kg/m³ density and 40 mm thickness) in between | m² | On the job | 205,00 |
| 10.240.9022 | 1.5 mm thick, 30-micron thick protective film or gel coated upper panel, and 1.2 mm thick bottom panel without any film or gel, with polyethylene foam filling (of 30 kg/m³ density and 50 mm thickness) in between, UV-resistant, grooved/trapezoidal panels | m² | On the job | 220,00 |
| 10.240.9023 | 1.8 mm thick, 30-micron thick protective film or gel coated upper panel, and 1.5 mm thick bottom panel without any film or gel, with polyethylene foam filling (of 30 kg/m³ density and 40 mm thickness) in between, UV-resistant, grooved/trapezoidal panels | m² | On the job | 245,00 |
| 10.240.9024 | 1.8 mm thick, 30-micron thick protective film or gel coated upper panel, and 1.5 mm thick bottom panel without any film or gel, with polyethylene foam filling (of 30 kg/m³ density and 50 mm thickness) in between, UV-resistant, grooved/trapezoidal panels | m² | On the job | 255,00 |
| | **Fiberglass-reinforced polyester, opaque, colored, embossed, flat sheets** | | | |
| | **1- Colored opaque sheets with top surface covered with 20-micron-thick embossed protective film or gel, and bottom surface flat and hygienic** | | | |
| 10.240.9031 | For 1.2 mm thickness | m² | On the job | 62,00 |
| 10.240.9032 | For 1.4 mm thickness | m² | On the job | 74,00 |
| 10.240.9033 | For 1.5 mm thickness | m² | On the job | 78,00 |
| 10.240.9034 | For 1.8 mm thickness | m² | On the job | 91,00 |
| 10.240.9035 | For 2.0 mm thickness | m² | On the job | 103,00 |
| 10.240.9036 | For 2.2 mm thickness | m² | On the job | 112,00 |
| 10.240.9037 | For 2.5 mm thickness | m² | On the job | 129,00 |
| 10.240.9038 | For 3.0 mm thickness | m² | On the job | 155,00 |
| | **2- Colored opaque sheets with top surface covered with 20-micron-thick isophthalic-based gel, and bottom surface flat and hygienic** | | | |
| 10.240.9041 | For 1.3 mm thickness | m² | On the job | 74,00 |
| 10.240.9042 | For 1.5 mm thickness | m² | On the job | 84,00 |
| 10.240.9043 | For 1.8 mm thickness | m² | On the job | 100,00 |
| 10.240.9044 | For 2.0 mm thickness | m² | On the job | 112,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.240.9045 | For 2.2 mm thickness | m² | On the job | 122,00 |
| 10.240.9046 | For 2.5 mm thickness | m² | On the job | 130,00 |
| 10.240.9047 | For 3.0 mm thickness | m² | On the job | 155,00 |
| | **PVC CATEGORY 1, 3, 4 PLASTIC PROFILE PANELS (TS EN 1013+A1)** | | | |
| | **E- Single-layer, transparent roofing sheets** | | | |
| 10.240.9051 | Roofing cover plate with translucent, trapezoid top, flat bottom, min. 1.00-mm wall thickness and UV resistance | m² | On the job | 71,00 |
| | **F- Opaque, colored, single-layer roofing sheets** | | | |
| 10.240.9061 | Roofing cover plate with non-translucent, trapezoid top, flat bottom, min. 1.00-mm wall thickness and UV resistance | m² | On the job | 56,00 |
| | **G- Two-layer, transparent roofing sheets** | | | |
| 10.240.9071 | Roofing cover plate with translucent, trapezoid top, flat bottom, min. 1.00-mm wall thickness, 40-mm panel height, air space and UV resistance | m² | On the job | 155,00 |
| | **H- Opaque, colored, two-layer roofing sheets** | | | |
| 10.240.9081 | Roofing cover plate with light-proof, trapezoid top, flat bottom, min. 1.00-mm wall thickness, 40-mm panel height, air space and UV resistance | m² | On the job | 102,00 |
| | **POLYCARBONATE SHEETS (Grooved - Single Cell) (TS EN ISO 11963)** | | | |
| 10.240.9091 | 4 mm thickness | m² | On the job | 46,00 |
| 10.240.9092 | 6 mm thickness | m² | On the job | 67,00 |
| 10.240.9093 | 8 mm thickness | m² | On the job | 76,00 |
| 10.240.9094 | 10 mm thickness | m² | On the job | 84,00 |
| | **Grooved Panels, Installation Materials, etc.** | | | |
| 10.240.9101 | Fiber-cement grooved panel (6-mm thick) (TS EN 494+A1) | m² | On the job | 45,00 |
| 10.240.9102 | Grooved bitumen panels (Any color) (Category R >= 1400 N/m²) (TS EN 534+A1) (Fire class: Broof) | m² | On the job | 62,00 |
| 10.240.9111 | Galvanized nail 70/17, same color as the cladding panel, with plastic washer | Qty | On the job | 0,19 |
| 10.240.9112 | Galvanized hook with plastic head | Qty | On the job | 1,16 |
| 10.240.9113 | Special galvanized twist nail with plastic washer | Qty | On the job | 1,23 |
| 10.240.9114 | Galvanized nail with monobloc head | Qty | On the job | 0,41 |
| 10.240.9115 | Self-drilling screw with monobloc head | Qty | On the job | 1,03 |
| 10.240.9116 | Capped lag screw | Qty | On the job | 1,03 |
| 10.240.9117 | Capped hook screw | Qty | On the job | 1,03 |
| | **PAINT, PRIMER, PUTTY, LACQUER, POLISH, COATING, STRUCTURAL CHEMICALS AND ADDITIVES, ETC.** | | | |
| | **PAINT** | | | |
| 10.300.1041 | Water-based, matte interior wall paint | L | On the job | 35,00 |
| 10.300.1042 | Water-based, silk matte interior wall paint | L | On the job | 59,00 |
| 10.300.1043 | Water-based, semi-matte interior wall paint | L | On the job | 56,00 |
| 10.300.1044 | Water-based, acrylic, matte antibacterial paint | L | On the job | 70,00 |
| 10.300.1045 | Water-based, acrylic, semi-matte antibacterial paint | L | On the job | 70,00 |
| 10.300.1046 | Water-based, hybrid interior wall paint | L | On the job | 80,00 |
| 10.300.1047 | Synthetic-based paint | L | On the job | 55,00 |
| 10.300.1048 | Solvent-based epoxy paint (two-component) | L | On the job | 67,00 |
| 10.300.1049 | Water-based, acrylic, exterior wall paint | L | On the job | 42,00 |
| 10.300.1050 | Water-based, acrylic, grained/textured exterior wall panel | Kg | On the job | 26,00 |
| 10.300.1051 | Pure acrylic-based exterior wall paint | L | On the job | 63,00 |
| 10.300.1052 | Water-based, silicon exterior wall paint | L | On the job | 55,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.300.1053 | Water-based, silicon, grained/textured exterior wall panel | Kg | On the job | 29,00 |
| 10.300.1054 | Photocatalytic, water-based exterior wall paint | L | On the job | 72,00 |
| 10.300.1055 | Elastomeric resin-based exterior wall paint | L | On the job | 59,00 |
| 10.300.1056 | Water-based exterior wall wood paint (except for doors and windows) | L | On the job | 100,00 |
| 10.300.1057 | Heat-reflecting exterior wall paint | L | On the job | 72,00 |
| 10.300.1058 | Thermoplastic resin-based exterior wall paint | Kg | On the job | 34,00 |
| 10.300.1059 | Thermoplastic grained-textured resin-based exterior wall paint | Kg | On the job | 34,00 |
| 10.300.1060 | Water-based panel door paint | L | On the job | 123,00 |
| 10.300.1061 | Alkyd resin-based metal plating final coat paint | L | On the job | 130,00 |
| 10.300.1062 | Urethane alkyd resin-based anticorrosive metal paint | L | On the job | 130,00 |
| 10.300.1063 | Pure silicon acrylic resin-based exterior wall paint | L | On the job | 140,00 |
| 10.300.1064 | Water-based pure acrylic resin-based, textured and flexible exterior wall paint | L | On the job | 63,00 |
| 10.300.1065 | Water-based pure acrylic-based, textured exterior wall paint | L | On the job | 63,00 |
| 10.300.1066 | Water-based pure acrylic-based, fine-textured exterior wall paint | L | On the job | 63,00 |
| 10.300.1067 | Water-based epoxy paint | Kg | On the job | 32,00 |
| 10.300.1068 | Mineral powder paint (Any color) | Kg | On the job | 12,50 |
| 10.300.1069 | (VOC quantity < 1 g/L) water-based, matte interior wall paint | L | On the job | 125,00 |
| 10.300.1070 | (VOC quantity < 1 g/L) water-based, silk-matte interior wall paint | L | On the job | 140,00 |
| 10.300.1071 | (VOC quantity < 50 g/L) water-based, matte interior wall paint | L | On the job | 56,00 |
| 10.300.1072 | (VOC quantity < 50 g/L) water-based, silk-matte interior wall paint | L | On the job | 98,00 |
| 10.300.1073 | Elastomeric resin-based interior/exterior wall paint containing micro-globules | L | On the job | 149,00 |
| | **PRIMER** | | | |
| 10.300.1171 | Water-based primer | L | On the job | 23,00 |
| 10.300.1172 | Water-based silicon-based exterior wall primer | L | On the job | 42,00 |
| 10.300.1173 | Water-based exposed concrete primer | Kg | On the job | 14,50 |
| 10.300.1174 | Water-based wood paint primer | L | On the job | 80,00 |
| 10.300.1175 | Iron - steel surface protective primer (anti-rust) | L | On the job | 39,00 |
| 10.300.1176 | Metal and PVC surface primer | L | On the job | 131,00 |
| 10.300.1177 | Water-based, acrylic antibacterial solution | L | On the job | 17,50 |
| 10.300.1178 | Water-based, acrylic antibacterial primer | L | On the job | 38,50 |
| 10.300.1179 | Stain-blocking thermoplastic resin-based interior wall primer | L | On the job | 93,00 |
| 10.300.1180 | Synthetic paint primer | L | On the job | 35,50 |
| 10.300.1181 | Synthetic-based protective primer for raw wood | L | On the job | 42,00 |
| 10.300.1182 | Synthetic-based colored protective agent for wood | L | On the job | 46,50 |
| 10.300.1183 | Thermoplastic resin-based primer | Kg | On the job | 31,50 |
| 10.300.1184 | Solvent-based epoxy primer (two-component) | L | On the job | 59,50 |
| 10.300.1185 | Acrylic copolymer resin and solvent-based exterior wall primer | L | On the job | 63,50 |
| 10.300.1186 | Decorative Primer | Kg | On the job | 16,50 |
| | **PUTTY** | | | |
| 10.300.1201 | Water-based interior wall putty | Kg | On the job | 14,50 |
| 10.300.1202 | Acrylic-based putty | Kg | On the job | 13,00 |
| 10.300.1203 | Water-based wood putty | Kg | On the job | 23,50 |
| 10.300.1204 | Synthetic paint putty | Kg | On the job | 20,00 |
| | **PROTECTIVE EXTERIOR WALL COATING** | | | |
| 10.300.1261 | Water-based, UV-resistant, transparent surface protection coating | L | On the job | 84,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.300.1262 | Siloxane-based, UV-resistant, transparent surface protection coating | L | On the job | 88,00 |
| | **Lacquer, Polish** | | | |
| 10.300.1311 | Synthetic-based lacquer | L | On the job | 57,00 |
| 10.300.1312 | Synthetic-based, colored protective agent for wood | L | On the job | 63,00 |
| 10.300.1313 | Floor varnish | L | On the job | 72,00 |
| 10.300.1314 | Filling varnish | L | On the job | 70,00 |
| | **COATINGS** | | | |
| 10.300.1351 | Acrylic-based, premixed, colored plaster | Kg | On the job | 9,80 |
| 10.300.1352 | Silicon-based, premixed, colored plaster | Kg | On the job | 14,00 |
| 10.300.1353 | Cement-based, premixed plaster (dry mixture) | Kg | On the job | 3,75 |
| 10.300.1361 | Exterior wall coating with acrylic binder and micro-globules | Kg | On the job | 119,00 |
| | **Road Marking Agents (TS EN 1871)** | | | |
| 10.300.1401 | Water-based cold road traffic line paint | Kg | On the job | 35,00 |
| 10.300.1402 | Solvent-based cold road traffic line paint | Kg | On the job | 23,50 |
| 10.300.1403 | Thermoplastic-based warm road traffic line paint | Kg | On the job | 17,50 |
| | **ACRYLIC MODIFIED POLYURETHANE-BASED PAINT, ETC. MATERIALS** | | | |
| | **1) Wall paint** | | | |
| 10.300.1501 | Grained | Kg | On the job | 29,00 |
| 10.300.1502 | Nano-resin | Kg | On the job | 100,00 |
| 10.300.1503 | Wood paint | Kg | On the job | 148,00 |
| 10.300.1504 | Metal paint | Kg | On the job | 245,00 |
| 10.300.1505 | PVC, Aluminum paint | Kg | On the job | 270,00 |
| 10.300.1506 | Antibacterial paint | Kg | On the job | 158,00 |
| 10.300.1507 | Transparent protective | Kg | On the job | 245,00 |
| 10.300.1508 | Antibacterial priming | Kg | On the job | 81,00 |
| 10.300.1509 | Antibacterial transparent protective<br>(Nano silver ion-based) | Kg | On the job | 265,00 |
| 10.300.1510 | Nano-resin-based, photoluminescent pigment paint<br>(that can be luminated for minimum 8 hours during power outage)<br>(emergency exit roads and markings, shelters, tunnels, warehouses, vestibules, foyers, military wards, etc.) | Kg | On the job | 790,00 |
| 10.300.1511 | Water-based acrylic polyurethane nano-resin-based, open-flame-resistant (fireproof for 90 minutes) paint | Kg | On the job | 161,00 |
| 10.300.1512 | Water-based paint remover gel | Kg | On the job | 89,00 |
| 10.300.1513 | Paint remover powder | Kg | On the job | 22,00 |
| 10.300.1514 | Water-based, nano-tech coating (any color),<br>on any surface reflecting Solar IR rays (materials, aluminum, galvanized, plaster, concrete and similar other surfaces) | Kg | On the job | 880,00 |
| 10.300.1515 | Acrylic modified polyurethane primer | Kg | On the job | 70,00 |
| | **Auxiliary Materials for Paint, etc.** | | | |
| 10.300.1601 | Soft soap (TS 54) | Kg | On the job | 5,80 |
| 10.300.1602 | Sandpaper (size A4) | Qty | On the job | 1,80 |
| 10.300.1603 | Cotton | Kg | On the job | 5,10 |
| | **STRUCTURAL CHEMICALS** | | | |
| | **Mortar Admixtures<br>(For Bedding, Screed, Plaster mortar, etc.)** | | | |
| 10.300.2001 | Waterproofing admixture for regular setting (Fluid) | Kg | On the job | 7,50 |
| 10.300.2002 | Waterproofing admixture for quick setting (Fluid) | Kg | On the job | 9,80 |
| 10.300.2003 | Waterproofing admixture for very quick setting (Fluid) | Kg | On the job | 11,20 |
| 10.300.2004 | Plasticizing - Air Entraining mortar admixture (Fluid) | Kg | On the job | 11,70 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.300.2005 | Plasticizing - Setting Retarder mortar admixture (Fluid) | Kg | On the job | 11,40 |
| | **Concrete Protective Admixtures and Materials (TS EN 934-2+A1)** | | | |
| 10.300.2031 | Water Reducer/Plasticizer (Fluid) | Kg | On the job | 5,80 |
| 10.300.2032 | Powerful Water Reducer/Super-plasticizer (Fluid) | Kg | On the job | 9,10 |
| 10.300.2033 | Medium Plasticizer - Setting Retarder (Fluid) | Kg | On the job | 7,20 |
| 10.300.2034 | Super Plasticizer - Setting Retarder (Fluid) | Kg | On the job | 11,40 |
| 10.300.2035 | Chemical Setting Retarder Admixture (Fluid) | Kg | On the job | 9,80 |
| 10.300.2036 | Chemical Hardening-accelerating Admixture (Fluid) | Kg | On the job | 10,00 |
| 10.300.2037 | Waterproofing Admixture (Fluid) | Kg | On the job | 8,60 |
| 10.300.2038 | Air-entraining Chemical Admixture (Fluid) | Kg | On the job | 10,00 |
| 10.300.2039 | Cold-weather Concreting Admixture (Fluid) | Kg | On the job | 5,40 |
| 10.300.2040 | Crystallized waterproofing admixture (Fluid) | Kg | On the job | 93,00 |
| 10.300.2041 | Crystallized waterproofing admixture (Powder) | Kg | On the job | 66,00 |
| | **Concrete Side Products** | | | |
| 10.300.2061 | Corrosion-retarding Admixture (Fluid) | Kg | On the job | 41,00 |
| 10.300.2062 | Acrylic-based Curing Agent (Fluid) | Kg | On the job | 14,50 |
| 10.300.2063 | Paraffinic-based Curing Agent (Fluid) | Kg | On the job | 13,30 |
| | **Concrete Repair Agents, etc. (Cement-based)** | | | |
| 10.300.2071 | Fine Repair Mortar (TS EN 1504-3) | Kg | On the job | 2,90 |
| 10.300.2072 | Coarse Repair Mortar (TS EN 1504-3) | Kg | On the job | 2,80 |
| 10.300.2073 | Cement-based Pouring Grout (TS EN 1504-3) | Kg | On the job | 3,50 |
| 10.300.2074 | Self-leveling floor bedding mortar (TS EN 13813, TS EN 1504-2) | Kg | On the job | 4,30 |
| | **Cement-based Surface Hardeners (TS EN 1504-2, TS EN 13813)** | | | |
| 10.300.2091 | Surface hardeners with basalt aggregates (Gray) | Kg | On the job | 1,20 |
| 10.300.2092 | Surface hardeners with basalt aggregates (Red) | Kg | On the job | 1,75 |
| 10.300.2093 | Surface hardeners with basalt aggregates (Green) | Kg | On the job | 2,65 |
| 10.300.2094 | Surface hardeners with quartz aggregates (Gray) | Kg | On the job | 1,30 |
| 10.300.2095 | Surface hardeners with quartz aggregates (Red) | Kg | On the job | 2,00 |
| 10.300.2096 | Surface hardeners with quartz aggregates (Green) | Kg | On the job | 3,00 |
| 10.300.2097 | Surface hardeners with quartz-corundum aggregates (Gray) | Kg | On the job | 1,75 |
| 10.300.2098 | Surface hardeners with quartz-corundum aggregates (Red) | Kg | On the job | 2,50 |
| 10.300.2099 | Surface hardeners with quartz-corundum aggregates (Green) | Kg | On the job | 3,20 |
| 10.300.2100 | Surface hardeners with corundum aggregates (Gray) | Kg | On the job | 2,30 |
| 10.300.2101 | Surface hardeners with corundum aggregates (Red) | Kg | On the job | 3,00 |
| 10.300.2102 | Surface hardeners with corundum aggregates (Green) | Kg | On the job | 4,20 |
| | **Liquid Surface Hardeners - Primers (TS EN 1504-2)** | | | |
| 10.300.2121 | Anti-dusting Coating and Curing Agent (Fresh/Hardened Concrete) (Fluid) | Kg | On the job | 13,50 |
| 10.300.2122 | Single-component Acrylic Copolymer-based Primer (Fluid) | Kg | On the job | 13,70 |
| | **Quick-setting Admixtures for Shotcrete (Dry System)** | | | |
| 10.300.2131 | Powder shotcrete admixture with alkali content | Kg | On the job | 6,80 |
| 10.300.2132 | Alkali-free powder shotcrete admixture | Kg | On the job | 5,60 |
| | **Quick-setting Admixtures for Shotcrete (Wet System)** | | | |
| 10.300.2141 | Fluid shotcrete admixture with alkali content | Kg | On the job | 8,60 |
| 10.300.2142 | Alkali-free, fluid shotcrete admixture | Kg | On the job | 6,10 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Resin-based Agents** | | | |
| 10.300.2151 | Adhesive for adherence of epoxy-based old concrete to new concrete (two-component) | Kg | On the job | 75,00 |
| 10.300.2152 | Epoxy-based pre-flooring primer (two-component) (TS EN 1504-2) | Kg | On the job | 107,00 |
| 10.300.2153 | Epoxy-based (Self-leveling) flooring (two-component) | Kg | On the job | 70,00 |
| 10.300.2154 | Epoxy-based flooring with orange peel pattern (texture) (two-component) (TS EN 1504-2) | Kg | On the job | 91,00 |
| 10.300.2155 | Epoxy-based (two-component) adhesive and repair grout (TS EN 1504-3) | Kg | On the job | 65,00 |
| 10.300.2156 | Agents used for anchorage (epoxy resin-based, two-component cylinder) (250-ml cylinder) | Qty | On the job | 149,00 |
| 10.300.2157 | One-component, polyurethane-based, UV-resistant joint filling mastic (310-ml cartridge) | Qty | On the job | 48,00 |
| 10.300.2158 | Polyethylene cylinders (diameter: Ø6 mm) | m | On the job | 0,49 |
| 10.300.2159 | Two-component, polyurethane-based, solvent-free, elastic, self-leveling flooring material (TS EN 1504-2 and TS EN 13813) | Kg | On the job | 86,00 |
| 10.300.2160 | Self-adhesive copper strips (0.075 mm thickness - 15 mm width) | m | On the job | 15,50 |
| 10.300.2161 | Low-viscosity, black-pigment, conductive, two-component, epoxy-based primer (EN 13813) | Kg | On the job | 335,00 |
| 10.300.2162 | Anti-static, solvent-free, low-emission, two-component, self-leveling polyurethane flooring material (EN 13813) | Kg | On the job | 95,00 |
| 10.300.2163 | Water-based, solvent-free, low-emission, bacteriostatic, two-component, polyurethane-based, clear or pigmented final layer coating material with matte surface finish (TS EN 1504-2) | Kg | On the job | 315,00 |
| 10.300.2164 | Anti-static, two-component, polyurethane-based, matte, water-based and low-emission, ESD final layer coating material with matte surface finish (TS EN 13813) | Kg | On the job | 520,00 |
| 10.300.2165 | Polyurethane-based, UV-resistant, colored, elastic, two-component final layer coating material with matte appearance | Kg | On the job | 265,00 |
| 10.300.2166 | Polyurethane-based, one-component,, UV-resistant, protective final layer coating material with solvent | Kg | On the job | 350,00 |
| | **Water Insulation Agents** | | | |
| 10.300.2171 | Cement-based, quick-setting sealing grout (TS EN 1504-3) | Kg | On the job | 18,50 |
| 10.300.2172 | Cement-based crystallized water insulation agent (single-component) (TS EN 1504-2) | Kg | On the job | 7,20 |
| 10.300.2173 | Cement-based, elastic (two-component) water insulation grout (TS EN 1504-2) | Kg | On the job | 10,00 |
| 10.300.2174 | Elastomeric resin-based (single-component) water insulation agent (Liquid Membrane) | Kg | On the job | 27,30 |
| 10.300.2175 | Cement- and bitumen-based (two-component) water insulation agent | Kg | On the job | 19,50 |
| 10.300.2176 | Bitumen-rubber-based (single-component) water insulation agent | Kg | On the job | 26,00 |
| 10.300.2177 | Bitumen-rubber-based (two-component) water insulation agent | Kg | On the job | 26,00 |
| 10.300.2178 | Hybrid polyurea-based (two-component) water insulation agent (TS EN 1504-2) | Kg | On the job | 77,00 |
| 10.300.2179 | 100%-pure polyurea-based (two-component) water insulation agent (TS EN 1504-2) | Kg | On the job | 144,00 |
| | **Mold Releases** | | | |
| 10.300.2191 | Oil-based mold release (concentrated mold oil) (for Wood) | Kg | On the job | 11,00 |
| 10.300.2192 | Oil-based mold release (concentrated mold oil) (for plastic-steel) | Kg | On the job | 14,00 |
| | **Tile Adhesives** | | | |
| 10.300.2201 | Cement-based, standard-performance tile adhesives with reduced slip (TS EN 12004-1 - C1T) | Kg | On the job | 1,45 |
| 10.300.2202 | Cement-based, standard-performance tile adhesives with reduced slip and prolonged exposed holding time (TS EN 12004-1 - C1TE) | Kg | On the job | 2,35 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.300.2203 | Cement-based, high-performance tile adhesives with reduced slip and prolonged exposed holding time<br>(TS EN 12004-1 - C2TE) | Kg | On the job | 3,50 |
| 10.300.2204 | Cement-based, high-performance, flexible tile adhesives with reduced slip and prolonged exposed holding time<br>((TS EN 12004-1 - C2TE) (TS EN 12004-2 - S1)) | Kg | On the job | 6,30 |
| 10.300.2205 | Cement-based, high-performance, very flexible tile adhesives with reduced slip and prolonged exposed holding time<br>((TS EN 12004-1 - C2TE) (TS EN 12004-2 - S2)) | Kg | On the job | 7,00 |
| 10.300.2206 | Dispersion (Acrylic)-based, standard-performance tile adhesives with reduced slip TS EN 12004-1 - D1T) | Kg | On the job | 13,30 |
| 10.300.2207 | Dispersion (Acrylic)-based, high-performance tile adhesives with reduced slip and prolonged exposed holding time<br>(TS EN 12004-1 - D2TE) | Kg | On the job | 17,00 |
| 10.300.2208 | Reaction resin-based (two or more components), high-performance tile adhesives with reduced slip<br>(TS EN 12004-1 - R2T) | Kg | On the job | 48,00 |
| | **Joint Filling Agents (any color)** | | | |
| 10.300.2231 | Cement-based, standard-performance joint filling<br>(TS EN 13888 - CG1) | Kg | On the job | 3,90 |
| 10.300.2232 | Cement-based, high-performance, high abrasion-resistant joint filling with reduced water absorption<br>(TS EN 13888 - CG2AW) | Kg | On the job | 4,90 |
| 10.300.2233 | Reaction resin-based (two or more components) joint filling<br>(TS EN 13888 - RG) | Kg | On the job | 56,00 |
| | **STEEL WIRES AND MICRO/MACRO REINFORCEMENT FIBERS USED FOR CONCRETE REINFORCEMENT** | | | |
| | **Steel Wires (TS EN 14889-1)** | | | |
| 10.300.4001 | Longitudinally deformed, glued wires<br>(notched, longitudinally curved, waved) | Kg | On the job | 20,50 |
| 10.300.4002 | Longitudinally deformed, non-glued wires<br>(notched, longitudinally curved, waved) | Kg | On the job | 19,00 |
| | **Glued Wires with Hooks in Both Ends (TS EN 14889-1)** | | | |
| 10.300.4011 | 0.55 mm in diameter and 30/35 mm long | Kg | On the job | 28,50 |
| 10.300.4012 | 0.75 mm in diameter and 30/35 mm long | Kg | On the job | 27,00 |
| 10.300.4013 | 0.75 mm in diameter and 60 mm long | Kg | On the job | 25,00 |
| 10.300.4014 | 0.90 mm in diameter and 60 mm long | Kg | On the job | 23,50 |
| | **Non-glued Wires with Hooks in Both Ends (TS EN 14889-1)** | | | |
| 10.300.4021 | 0.55 mm in diameter and 30/35 mm long | Kg | On the job | 25,50 |
| 10.300.4022 | 0.75 mm in diameter and 30/35 mm long | Kg | On the job | 22,50 |
| 10.300.4023 | 0.75 mm in diameter and 60 mm long | Kg | On the job | 21,00 |
| 10.300.4024 | 0.90 mm in diameter and 60 mm long | Kg | On the job | 18,00 |
| | **Macro/micro reinforcement fibers (TS EN 14889-2)** | | | |
| 10.300.4101 | Price of synthetic macro-fiber reinforcement in 1 m³ of shotcrete with synthetic macro-fiber reinforcement, which shall have an energy storage capacity of (500 joules ≤ energy storage capacity < 700 joule) as indicated by the tests conducted by a laboratory accredited per TS EN 14488-5. | m³ | On the job | 265,00 |
| 10.300.4102 | Price of synthetic macro-fiber reinforcement in 1 m³ of shotcrete with synthetic macro-fiber reinforcement, which shall have an energy storage capacity of (700 joules ≤ energy storage capacity < 1000 joules) as indicated by the tests conducted by a laboratory accredited per TS EN 14488-5. | m³ | On the job | 385,00 |
| 10.300.4103 | Price of synthetic macro-fiber reinforcement in 1 m³ of shotcrete with synthetic macro-fiber reinforcement, which shall have an energy storage capacity of (1000 joules ≤ energy storage capacity) as indicated by the tests conducted by a laboratory accredited per TS EN 14488-5. | m³ | On the job | 500,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.300.4121 | Price for synthetic macrofiber reinforcement per m³ of field concrete with synthetic macrofiber reinforcement and with 1.5 N/mm² for CMOD=0.5 mm and 1 N/mm² for CMOD=3.5 as per the results of the tests conducted by accredited laboratories in accordance with TS EN 14651 + A1 | m³ | On the job | 360,00 |
| 10.300.4151 | Polypropylene/Polyamide micro-fiber reinforcement fibers | Kg | On the job | 36,50 |
| | **INSULATION MATERIALS** | | | |
| | **FIBER THERMAL AND SOUND INSULATION MATERIALS** | | | |
| | **GLASS WOOL OF INORGANIC ORIGIN (TS 901-2, TS EN 13162+A1)** | | | |
| | **Mat: Non-load bearing and used for heat and sound insulation in the technique and structure, estimated thermal conductivity at first dynamic hardness ≤0.040 W/mK Note: Market prices of other thicknesses will be interpolated.** | | | |
| | **15 kg/m³ density** | | | |
| 10.330.1001 | 8-cm-thick, both surfaces covered with glass tissue | m² | On the job | 16,80 |
| 10.330.1002 | 10-cm-thick, both surfaces covered with lass tissue | m² | On the job | 19,40 |
| 10.330.1003 | 12-cm-thick, both surfaces covered with glass tissue | m² | On the job | 22,60 |
| 10.330.1004 | 14-cm-thick, both surfaces covered with glass tissue | m² | On the job | 25,60 |
| 10.330.1005 | 8-cm-thick, one surface covered with Kraft paper | m² | On the job | 14,80 |
| | **16 kg/m³ density** | | | |
| 10.330.1011 | 8-cm-thick, one surface covered with tin foil with overlap margin | m² | On the job | 20,00 |
| 10.330.1012 | 10-cm-thick, one surface covered with tin foil with overlap margin | m² | On the job | 23,20 |
| 10.330.1013 | 12-cm-thick, one surface covered with tin foil with overlap margin | m² | On the job | 25,80 |
| | **18 kg/m³ density** | | | |
| 10.330.1021 | 6-cm thick | m² | On the job | 9,00 |
| 10.330.1022 | 8 -cm-thick | m² | On the job | 13,90 |
| 10.330.1023 | 10-cm thick | m² | On the job | 17,40 |
| 10.330.1024 | 12-cm thick | m² | On the job | 20,90 |
| 10.330.1025 | 14-cm thick | m² | On the job | 24,50 |
| | **22 kg/m³ density** | | | |
| 10.330.1031 | 5-cm-thick, one surface covered with Kraft paper | m² | On the job | 12,90 |
| | **Panel: Used for heat and sound insulation in the technique and structure, estimated thermal conductivity at first dynamic hardness: ≤0.040 W/mK. Note: Market Prices of other thicknesses will be interpolated.** | | | |
| 10.330.1201 | Non-load bearing, glass wool panel, with silicon, 30 kg/m³ density and 3 cm thickness | m² | On the job | 10,30 |
| 10.330.1202 | Non-load bearing, glass wool panel, with silicon, 30 kg/m³ density and 5 cm thickness | m² | On the job | 16,10 |
| 10.330.1203 | Non-load bearing, glass wool panel, with silicon, 30 kg/m³ density and 8 cm thickness | m² | On the job | 24,50 |
| 10.330.1204 | Non-load bearing, with silicon, 30 kg/m³ density and 10 cm thickness | m² | On the job | 31,00 |
| 10.330.1211 | Non-load bearing, with silicon, 20 - 22 kg/m³ density and 3 cm thickness | m² | On the job | 7,70 |
| 10.330.1212 | Non-load bearing, with silicon, 20 - 22 kg/m³ density and 4 cm thickness | m² | On the job | 10,30 |
| 10.330.1213 | Non-load bearing, with silicon, 20 - 22 kg/m³ density and 5 cm thickness | m² | On the job | 12,80 |
| 10.330.1214 | Non-load bearing, with silicon, 20 - 22 kg/m³ density and 6 cm thickness | m² | On the job | 15,50 |
| 10.330.1215 | Non-load bearing, with silicon, 20 - 22 kg/m³ density and 8 cm thickness | m² | On the job | 20,00 |
| 10.330.1216 | Non-load bearing, with silicon, 20 - 22 kg/m³ density and 10 cm thickness | m² | On the job | 27,80 |
| | **Non-load bearing, with 50 kg/m³ density and 2 cm thickness** | | | |
| 10.330.1231 | One surface covered with tin foil | m² | On the job | 16,20 |
| 10.330.1232 | One surface coated with glass tissue | m² | On the job | 16,00 |
| | **Non-load bearing, with 50 kg/m³ density and 2.5 cm thickness** | | | |
| 10.330.1241 | One surface covered with tin foil | m² | On the job | 18,80 |
| 10.330.1242 | One surface coated with glass tissue | m² | On the job | 18,70 |
| | **Non-load bearing, with 50 kg/m³ density and 3 cm thickness** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.1251 | One surface covered with tin foil | m² | On the job | 21,70 |
| 10.330.1252 | One surface coated with glass tissue | m² | On the job | 21,00 |
| | **Non-load bearing, with 50 kg/m³ density and 5 cm thickness** | | | |
| 10.330.1261 | One surface covered with tin foil | m² | On the job | 32,00 |
| 10.330.1262 | One surface coated with glass tissue | m² | On the job | 30,30 |
| | **28 kg/m³ density** | | | |
| 10.330.1271 | 5-cm-thick, non-load bearing, two sides coated with glass tissue, containing silicon | m² | On the job | 23,60 |
| 10.330.1272 | 7.5-cm-thick, non-load bearing, both sides glass tissue-coated, with silicon | m² | On the job | 31,60 |
| 10.330.1273 | Non-load bearing, 8-cm thick, containing silicon, both surfaces covered with glass tissue | m² | On the job | 32,90 |
| 10.330.1274 | Non-load bearing, 10-cm thick, containing silicon, both surfaces covered with glass tissue | m² | On the job | 39,90 |
| | **40 kg/m³ density** | | | |
| 10.330.1281 | 5-cm-thick, non-load bearing, one side coated with glass tissue, containing silicon | m² | On the job | 29,00 |
| 10.330.1282 | 6-cm-thick, non-load bearing, one side coated with glass tissue, containing silicon | m² | On the job | 33,50 |
| 10.330.1283 | 8-cm-thick, non-load bearing, one side coated with glass tissue, containing silicon | m² | On the job | 43,50 |
| 10.330.1284 | 10-cm-thick, non-load bearing, one side coated with glass tissue, containing silicon | m² | On the job | 53,00 |
| | **24 kg/m³ density** | | | |
| 10.330.1291 | 1.5-cm-thick, non-load bearing, one side covered with acrilan | m² | On the job | 18,50 |
| 10.330.1292 | 2.5-cm-thick, non-load bearing, one side covered with acrilan | m² | On the job | 23,40 |
| 10.330.1293 | 5-cm-thick, one surface covered with tin foil with overlap margin | m² | On the job | 20,40 |
| 10.330.1294 | 5-cm-thick, non-load-bearing | m² | On the job | 11,90 |
| | **100 kg/m³ density** | | | |
| 10.330.1301 | Load bearing glass wool panel with 100 kg/m³ density and 1.5-cm thickness, | m² | On the job | 13,90 |
| 10.330.1302 | Load bearing glass wool panel with 100 kg/m³ density and 2-cm thickness, | m² | On the job | 17,00 |
| 10.330.1303 | Load bearing glass wool panel with 100 kg/m³ density and 2-cm thickness, | m² | On the job | 21,30 |
| 10.330.1304 | 100 kg/m³ density, 1.5-cm thick, load bearing, one surface coated with tin foil | m² | On the job | 19,40 |
| 10.330.1305 | Load bearing glass wool panel with 100 kg/m³ density and 5-cm thickness, | m² | On the job | 39,50 |
| 10.330.1306 | 100 kg/m³ density, 3-cm thick, load bearing | m² | On the job | 25,00 |
| 10.330.1307 | Load-bearing panel, with 100 kg/m³ density, 3-cm thickness, and one side factory-coated with bitumen with glass tissue carrier | m² | On the job | 29,00 |
| 10.330.1308 | Load-bearing panel, with 100 kg/m³ density, 5-cm thickness, and one side factory-coated with bitumen with glass tissue carrier | m² | On the job | 43,00 |
| | **GLASS WOOL OF INORGANIC ORIGIN (TS 901-2, TS EN 13162+A1)** | | | |
| | **Panel: Used for heat, sound and fire insulation in the technique and structure, estimated thermal conductivity ≤ 0.040 W/mK Note: Market Prices of other thicknesses will be interpolated.** | | | |
| 10.330.1501 | 110 kg/m³ density, 2.5-cm thickness, load bearing | m² | On the job | 19,40 |
| 10.330.1502 | 110 kg/m³ density, 3-cm thickness, load bearing | m² | On the job | 23,20 |
| 10.330.1503 | 110 kg/m³ density, 3.5-cm thickness, load bearing | m² | On the job | 27,00 |
| 10.330.1504 | Non-load bearing ceiling panel with 110 kg/m³ density, 2.5-cm thickness, and one side factory-coated with glass tissue carrier | m² | On the job | 23,20 |
| 10.330.1511 | 150 kg/m³ density, 3-cm thickness, load bearing | m² | On the job | 27,00 |
| 10.330.1512 | 150 kg/m³ density, 4-cm thickness, load bearing | m² | On the job | 35,00 |
| 10.330.1513 | 150 kg/m³ density, 5-cm thickness, load bearing | m² | On the job | 43,00 |
| 10.330.1514 | 150 kg/m³ density, 6-cm thickness, load bearing | m² | On the job | 52,00 |
| 10.330.1515 | 150 kg/m³ density, 8-cm thickness, load bearing | m² | On the job | 67,00 |
| 10.330.1516 | 150 kg/m³ density, 10-cm thickness, load bearing | m² | On the job | 84,00 |
| | **Load-bearing panel with 150 kg/m³ density, and one side factory-coated with bitumen with glass tissue carrier** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.1521 | 3-cm thick, | m² | On the job | 41,00 |
| 10.330.1522 | 4-cm thick, | m² | On the job | 50,00 |
| 10.330.1523 | 5-cm thick, | m² | On the job | 60,00 |
| 10.330.1524 | 6-cm thick | m² | On the job | 70,00 |
| 10.330.1525 | 8-cm thick | m² | On the job | 89,00 |
| 10.330.1526 | 10-cm thick | m² | On the job | 109,00 |
| | **Internal and external insulation sheathing for exterior walls (for plaster applications) with tensile strength ≥7.5 kPa, water absorption at long-term partial immersion < 3 kg/m², min. density 120 kg/m³ (Inflammability class A)** | | | |
| 10.330.1541 | 3-cm thick | m² | On the job | 27,00 |
| 10.330.1542 | 4-cm thick | m² | On the job | 35,00 |
| 10.330.1543 | 5-cm thick | m² | On the job | 43,00 |
| 10.330.1544 | 6-cm thick | m² | On the job | 51,00 |
| 10.330.1545 | 7-cm thick | m² | On the job | 62,00 |
| 10.330.1546 | 8-cm thick | m² | On the job | 67,00 |
| | **40 kg/m³ density, non-load bearing** | | | |
| 10.330.1551 | 3-cm thick | m² | On the job | 9,90 |
| 10.330.1552 | 4-cm thick | m² | On the job | 11,50 |
| 10.330.1553 | 5-cm thick | m² | On the job | 13,50 |
| 10.330.1554 | 6-cm thick | m² | On the job | 15,50 |
| 10.330.1555 | 8-cm thick | m² | On the job | 19,40 |
| 10.330.1556 | 10-cm thick | m² | On the job | 23,00 |
| 10.330.1557 | 12-cm thick | m² | On the job | 27,00 |
| | **50 to 52-kg/m³ density, non-load bearing** | | | |
| 10.330.1561 | 3-cm thick | m² | On the job | 11,50 |
| 10.330.1562 | 4-cm thick | m² | On the job | 14,00 |
| 10.330.1563 | 5-cm thick | m² | On the job | 17,00 |
| 10.330.1564 | 6-cm thick | m² | On the job | 20,00 |
| 10.330.1565 | 8-cm thick | m² | On the job | 25,00 |
| 10.330.1566 | 10-cm thick | m² | On the job | 30,00 |
| | **50 to 52-kg/m³ density, non-load bearing, one surface covered with tin foil** | | | |
| 10.330.1571 | 3-cm thick | m² | On the job | 17,50 |
| 10.330.1572 | 5-cm thick | m² | On the job | 22,50 |
| 10.330.1573 | 8-cm thick | m² | On the job | 31,00 |
| 10.330.1574 | 10-cm thick | m² | On the job | 36,00 |
| | **50 to 52-kg/m³ density, non-load bearing, one surface covered with glass tissue** | | | |
| 10.330.1581 | 3-cm thick | m² | On the job | 15,50 |
| 10.330.1582 | 5-cm thick | m² | On the job | 21,00 |
| 10.330.1583 | 8-cm thick | m² | On the job | 29,00 |
| 10.330.1584 | 10-cm thick | m² | On the job | 34,50 |
| | **70 kg/m³ density, non-load bearing** | | | |
| 10.330.1591 | 2.5-cm thickness | m² | On the job | 11,50 |
| 10.330.1592 | 4-cm thick | m² | On the job | 18,50 |
| 10.330.1593 | 5-cm thick | m² | On the job | 23,50 |
| 10.330.1594 | 6-cm thick | m² | On the job | 27,50 |
| 10.330.1595 | 8-cm thick | m² | On the job | 37,00 |
| 10.330.1596 | 10-cm thick | m² | On the job | 46,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **100 kg/m³ density, non-load bearing** | | | |
| 10.330.1601 | 2.5-cm thick | m² | On the job | 15,50 |
| 10.330.1602 | 4-cm thick | m² | On the job | 24,50 |
| 10.330.1603 | 5-cm thick | m² | On the job | 31,00 |
| 10.330.1604 | 6-cm thick | m² | On the job | 37,00 |
| 10.330.1605 | 7-cm thick | m² | On the job | 43,00 |
| 10.330.1606 | 8-cm thick | m² | On the job | 49,00 |
| 10.330.1607 | 9-cm thick | m² | On the job | 55,00 |
| 10.330.1608 | 10-cm thick | m² | On the job | 61,00 |
| | **Composite insulation panel with 110 kg/m³ density, and one side factory-coated with tin foil and 12.5-mm gypsum board** | | | |
| 10.330.1611 | with 3-cm-thick rock wool panel | m² | On the job | 38,00 |
| 10.330.1612 | with 5-cm-thick rock wool panel | m² | On the job | 52,00 |
| 10.330.1613 | with 8-cm-thick rock wool panel | m² | On the job | 71,00 |
| | **Mat: Non-load bearing, and used for heat, sound and fire insulation in the technique and structure, estimated thermal conductivity ≤0.40 W/mK**<br><br>**Note: Market Prices of other thicknesses will be interpolated.** | | | |
| | **90 kg/m³ density, sewn on rabitz wire** | | | |
| 10.330.1701 | 3-cm thick | m² | On the job | 29,00 |
| 10.330.1702 | 4-cm thick | m² | On the job | 34,50 |
| 10.330.1703 | 5-cm thick | m² | On the job | 44,50 |
| 10.330.1704 | 6-cm thick | m² | On the job | 50,00 |
| 10.330.1705 | 8-cm thick | m² | On the job | 61,00 |
| 10.330.1706 | 10-cm thick | m² | On the job | 73,00 |
| 10.330.1707 | 12-cm thick | m² | On the job | 81,00 |
| | **125 kg/m³ density, sewn on rabitz wire** | | | |
| 10.330.1721 | 3-cm thick | m² | On the job | 34,50 |
| 10.330.1722 | 4-cm thick | m² | On the job | 44,50 |
| 10.330.1723 | 5-cm thick | m² | On the job | 54,00 |
| 10.330.1724 | 6-cm thick | m² | On the job | 61,00 |
| 10.330.1725 | 8-cm thick | m² | On the job | 73,00 |
| 10.330.1726 | 10-cm thick | m² | On the job | 93,00 |
| 10.330.1727 | 12-cm thick | m² | On the job | 100,00 |
| | **80 kg/m³ density, sewn on rabitz wire** | | | |
| 10.330.1741 | 3-cm thick | m² | On the job | 23,00 |
| 10.330.1742 | 4-cm thick | m² | On the job | 29,00 |
| 10.330.1743 | 5-cm thick | m² | On the job | 35,50 |
| 10.330.1744 | 6-cm thick | m² | On the job | 40,50 |
| 10.330.1745 | 8-cm thick | m² | On the job | 50,00 |
| 10.330.1746 | 10-cm thick | m² | On the job | 65,00 |
| 10.330.1747 | 12-cm thick | m² | On the job | 73,00 |
| | **Mat with 40 kg/m³ density** | | | |
| 10.330.1761 | 6-cm thick | m² | On the job | 15,50 |
| 10.330.1762 | 8-cm thick | m² | On the job | 18,50 |
| 10.330.1763 | 10-cm thick | m² | On the job | 21,50 |
| 10.330.1764 | 12-cm thick | m² | On the job | 24,50 |
| 10.330.1765 | 14-cm thick | m² | On the job | 27,80 |
| | **Mat with 50 kg/m³ density** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.1781 | 6-cm thick | m² | On the job | 17,50 |
| 10.330.1782 | 8-cm thick | m² | On the job | 22,50 |
| 10.330.1783 | 10-cm thick | m² | On the job | 27,00 |
| 10.330.1784 | 12-cm thick | m² | On the job | 31,00 |
| 10.330.1785 | 14-cm thick | m² | On the job | 36,00 |
| | **Bulk Rock Wool** | | | |
| 10.330.2000 | Bulk rock wool (binder-free) | Kg | On the job | 6,40 |
| | **EXPANDED POLYSTYRENE (EPS) FOAM BOARDS (TS EN 13163+A2) Fire Class E, Thermal conductivity ≤0.040W/mK Note: Market prices of other densities will be interpolated.** | | | |
| 10.330.2001 | 15 kg/m³ | m³ | On the job | 540,00 |
| 10.330.2002 | 20 kg/m³ | m³ | On the job | 660,00 |
| 10.330.2003 | 30 kg/m³ | m³ | On the job | 860,00 |
| 10.330.2004 | 35 kg/m³ | m³ | On the job | 1.000,00 |
| | **Expanded polystyrene foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 100 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m², and class E inflammability** | | | |
| 10.330.2021 | 16 kg/m³ | m³ | On the job | 580,00 |
| 10.330.2022 | 20 kg/m³ | m³ | On the job | 700,00 |
| 10.330.2023 | 30 kg/m³ | m³ | On the job | 1.000,00 |
| 10.330.2024 | 35 kg/m³ | m³ | On the job | 1.090,00 |
| | **Expanded polystyrene foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 300 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m², and class E inflammability** | | | |
| 10.330.2041 | 16 kg/m³ | m³ | On the job | 630,00 |
| 10.330.2042 | 20 kg/m³ | m³ | On the job | 730,00 |
| 10.330.2043 | 30 kg/m³ | m³ | On the job | 1.030,00 |
| 10.330.2044 | 35 kg/m³ | m³ | On the job | 1.160,00 |
| | **Carbon-black - graphite-based, expanded polystyrene (EPS) foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 100 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m², and class E inflammability** | | | |
| 10.330.2061 | 16 kg/m³ | m³ | On the job | 660,00 |
| 10.330.2062 | 20 kg/m³ | m³ | On the job | 830,00 |
| | **Carbon-black - graphite-based, expanded polystyrene (EPS) foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 300 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m², and class E inflammability** | | | |
| 10.330.2081 | 16 kg/m³ | m³ | On the job | 700,00 |
| 10.330.2082 | 20 kg/m³ | m³ | On the job | 860,00 |
| | **EXTRUDED POLYSTYRENE (XPS) FOAM BOARDS (TS EN 13164+A1, Fire Class E) Note: Market prices of other densities will be interpolated.** | | | |
| | **1- Boards with rough or rough and grooved surface, density: min. 25 kg/m³** | | | |
| | **a) 100 kPa pressure strength (1 kg/cm²)** | | | |
| 10.330.2201 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.050,00 |
| 10.330.2202 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.000,00 |
| 10.330.2203 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 950,00 |
| | **b) 200 kPa pressure strength (2 kg/cm²)** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.2221 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.090,00 |
| 10.330.2222 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.050,00 |
| 10.330.2223 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 1.000,00 |
| | **2- Boards with smooth (pitched) surfaces, density min. 30 kg/m³** | | | |
| | **a) 200 kPa pressure strength (2 kg/cm²)** | | | |
| 10.330.2241 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.090,00 |
| 10.330.2242 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.030,00 |
| 10.330.2243 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 980,00 |
| | **b) 300 kPa pressure strength (3 kg/cm²)** | | | |
| 10.330.2261 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.130,00 |
| 10.330.2262 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.080,00 |
| 10.330.2263 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 1.030,00 |
| | **c) 400 kPa pressure strength (4 kg/cm²)** | | | |
| 10.330.2281 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.200,00 |
| 10.330.2282 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.150,00 |
| 10.330.2283 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 1.090,00 |
| | **d) 500 kPa pressure strength (5 kg/cm²)** | | | |
| 10.330.2301 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.260,00 |
| 10.330.2302 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.200,00 |
| 10.330.2303 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 1.160,00 |
| | **f) 700 kPa pressure strength (7 kg/cm²)** | | | |
| 10.330.2321 | Thermal conductivity ≤ 0.030 W/mK | m³ | On the job | 1.660,00 |
| 10.330.2322 | 0.030 < thermal conductivity value ≤ 0.035 W/mK | m³ | On the job | 1.600,00 |
| 10.330.2323 | 0.035 < thermal conductivity value ≤ 0.040 W/mK | m³ | On the job | 1.530,00 |
| | **THERMAL INSULATION DOWELS** | | | |
| | **a) Insulation dowels with steel nail** | | | |
| 10.330.2351 | For 9 to 15 cm (including 15 cm) | Qty | On the job | 1,45 |
| 10.330.2352 | For lengths exceeding 15 cm | Qty | On the job | 1,55 |
| | **b) Insulation dowels with plastic nail** | | | |
| 10.330.2356 | For 9 to 15 cm (including 15 cm) | Qty | On the job | 0,49 |
| 10.330.2357 | For lengths exceeding 15 cm | Qty | On the job | 0,67 |
| | **c) Insulation dowels applied to autoclaved aerated concrete (AAC) surfaces** | | | |
| 10.330.2361 | For lengths equal to and greater than 15 cm (with clamped plastic screws) | Qty | On the job | 1,32 |
| 10.330.2362 | For lengths equal to and greater than 15 cm (with clamped steel screws) | Qty | On the job | 2,17 |
| | **d) Insulation dowels applied to wooden surfaces** | | | |
| 10.330.2366 | For 7 to 15 cm (including 15 cm) | Qty | On the job | 0,65 |
| 10.330.2367 | For lengths exceeding 15 cm | Qty | On the job | 1,20 |
| | **AUXILIARY INSULATION SHEATHING COMPONENTS** | | | |
| | **Corner Profiles** | | | |
| 10.330.2401 | Aluminum Corner Profiles | m | On the job | 3,65 |
| 10.330.2402 | PVC Corner Profile | m | On the job | 1,45 |
| 10.330.2403 | Aluminum Corner Profiles (Meshed) | m | On the job | 4,85 |
| 10.330.2404 | PVC Corner Profiles (Meshed) | m | On the job | 3,30 |
| 10.330.2405 | Corner Profiles with Aluminum Drip Course | m | On the job | 4,10 |
| 10.330.2406 | Corner Profiles with PVC Drip Course | m | On the job | 2,75 |
| 10.330.2407 | Corner Profiles with Aluminum Drip Course (Meshed) | m | On the job | 9,70 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.2408 | Corner Profiles with PVC Drip Course (Meshed) | m | On the job | 5,15 |
| | **Plinth Profiles** | | | |
| 10.330.2411 | Aluminum (initial) plinth profiles for 3 to 5 cm insulation sheathing | m | On the job | 15,25 |
| 10.330.2412 | Aluminum (initial) plinth profiles for 6 to 10 cm insulation sheathing | m | On the job | 19,40 |
| | **Window Sill Extension Profiles** | | | |
| 10.330.2416 | Aluminum window sill extension profiles | m | On the job | 23,50 |
| 10.330.2417 | PVC window sill extension profiles | m | On the job | 10,90 |
| | **Mesh Expansion Profiles** | | | |
| 10.330.2421 | PVC-based expansion profiles (mesh) for 3 to 5 cm dilatation openings | m | On the job | 49,00 |
| 10.330.2422 | PVC-based expansion profiles (mesh) for 6 to 8 cm dilatation openings | m | On the job | 64,00 |
| 10.330.2423 | PVC-based expansion profiles (mesh) for dilatation openings larger than 8 cm | m | On the job | 75,00 |
| | **Joinery Finish Profiles** | | | |
| 10.330.2426 | Self-adhesive mesh PVC Window and Door Attachment Profiles (Joinery Finish Profile) | m | On the job | 12,20 |
| | **Plastic Wedge, etc.** | | | |
| 10.330.2431 | Plastic Wedges | Qty | On the job | 0,84 |
| | **THERMAL INSULATION PLATE ADHESIVE, PLASTER, MESH, ETC.** | | | |
| 10.330.2501 | Plaster mesh (resistant to 145 to 160 g/m² of alkali) | m² | On the job | 4,95 |
| 10.330.2502 | Plaster mesh (75 g/m²) | m² | On the job | 3,20 |
| 10.330.2503 | Thermal insulation board adhesive (TS 13566) (cement-based, polymer-added) | Kg | On the job | 1,20 |
| 10.330.2504 | Thermal insulation board adhesive (Acrylic-based, elastic) | Kg | On the job | 3,60 |
| 10.330.2505 | Thermal insulation panel plaster (TS 13687) (cement-based, polymer-added) | Kg | On the job | 1,45 |
| 10.330.2506 | Thermal insulation panel plaster (Acrylic-based, elastic) | Kg | On the job | 5,15 |
| | **EPS BOARDS AND STRUCTURAL PANELS MADE OF LOW-CARBON GALVANIZED STEEL WIRE** | | | |
| | **(EPS density min. 16 kg/m³ - Wire Thickness Ø2.8 mm - 3.5 mm - Steel wires shall be spot welded with max. 10 cm spacing in vertical and horizontal axes) (UTO)** | | | |
| 10.330.2551 | Panel thickness: 10 cm - EPS thickness: 7.5 cm | m² | On the job | 232,00 |
| 10.330.2552 | Panel thickness: 11 cm - EPS thickness: 8.5 cm | m² | On the job | 245,00 |
| 10.330.2553 | Panel thickness: 13 cm - EPS thickness: 10.5 cm | m² | On the job | 258,00 |
| 10.330.2554 | Panel thickness: 15 cm - EPS thickness: 12.5 cm | m² | On the job | 271,00 |
| | **(EPS density min. 16 kg/m³ - Wire Thickness Ø2.5 mm - 3.5 mm - Steel wires shall be spot welded with max. 10 cm spacing in vertical and horizontal axes) (UTO)** | | | |
| 10.330.2561 | Panel thickness: 10 cm - EPS thickness: 7.5 cm | m² | On the job | 232,00 |
| 10.330.2562 | Panel thickness: 11 cm - EPS thickness: 8.5 cm | m² | On the job | 245,00 |
| 10.330.2563 | Panel thickness: 13 cm - EPS thickness: 10.5 cm | m² | On the job | 258,00 |
| 10.330.2564 | Panel thickness: 15 cm - EPS thickness: 12.5 cm | m² | On the job | 267,00 |
| | **POLYISOCYANURATE BOARDS** | | | |
| 10.330.2571 | Hard Polyisocyanurate (PIR) Foam Boards (Fire Resistance Class: C) (TS EN 13165+A2) | m³ | On the job | 3.600,00 |
| | **INSULATED ROOF AND WALL PANELS** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Polyurethane (PUR) insulated sandwich roof panels (TS EN 14509) (Fire Reaction Class min. C s3 d2, BROOF-certified exterior fire performance, Polyurethane density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2601 | 0.50 + 0.40 + (40 mm filling) | m² | On the job | 206,00 |
| 10.330.2602 | 0.50 + 0.40 + (50 mm filling) | m² | On the job | 223,00 |
| 10.330.2603 | 0.50 + 0.40 + (60 mm filling) | m² | On the job | 258,00 |
| 10.330.2604 | 0.50 + 0.40 + (75 mm filling) | m² | On the job | 288,00 |
| 10.330.2605 | 0.50 + 0.40 + (80 mm filling) | m² | On the job | 306,00 |
| 10.330.2606 | 0.50 + 0.40 + (100 mm filling) | m² | On the job | 336,00 |
| 10.330.2607 | 0.50 + 0.50 + (100 mm filling) | m² | On the job | 349,00 |
| 10.330.2608 | 0.50 + 0.50 + (40 mm filling) | m² | On the job | 245,00 |
| 10.330.2609 | 0.70 + 0.50 + (60 mm filling) | m² | On the job | 288,00 |
| | **Polyurethane (PUR) insulated, hidden fastener sandwich facade panels (TS EN 14509) (Fire Reaction Class min. C s3 d2, Polyurethane density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2626 | 0.50 + 0.40 + (40 mm filling) | m² | On the job | 206,00 |
| 10.330.2627 | 0.50 + 0.40 + (50 mm filling) | m² | On the job | 223,00 |
| 10.330.2628 | 0.50 + 0.40 + (60 mm filling) | m² | On the job | 254,00 |
| 10.330.2629 | 0.60 + 0.40 + (75 mm filling) | m² | On the job | 306,00 |
| 10.330.2630 | 0.60 + 0.40 + (80 mm filling) | m² | On the job | 310,00 |
| 10.330.2631 | 0.60 + 0.40 + (100 mm filling) | m² | On the job | 342,00 |
| | **Sandwich roof panel with polyurethane insulation and 1.20-mm-thick felt PVC membrane (Fire Reaction Class min. C s3 d2, BROOF-certified exterior fire performance, Polyurethane density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-reinforced)** | | | |
| 10.330.2651 | 1.20 + 0.60 + (40 mm filling) | m² | On the job | 310,00 |
| 10.330.2652 | 1.20 + 0.60 + (50 mm filling) | m² | On the job | 325,00 |
| 10.330.2653 | 1.20 + 0.60 + (60 mm filling) | m² | On the job | 340,00 |
| 10.330.2654 | 1.20 + 0.60 + (75 mm filling) | m² | On the job | 365,00 |
| 10.330.2655 | 1.20 + 0.60 + (80 mm filling) | m² | On the job | 375,00 |
| 10.330.2656 | 1.20 + 0.60 + (100 mm filling) | m² | On the job | 405,00 |
| | **Sandwich roof panel with polyurethane insulation and 1.20-mm-thick felt TPO membrane (Fire Reaction Class min. C s3 d2, BROOF-certified exterior fire performance, Polyurethane density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-reinforced)** | | | |
| 10.330.2676 | 1.20 + 0.60 + (40 mm filling) | m² | On the job | 320,00 |
| 10.330.2677 | 1.20 + 0.60 + (50 mm filling) | m² | On the job | 340,00 |
| 10.330.2678 | 1.20 + 0.60 + (60 mm filling) | m² | On the job | 355,00 |
| 10.330.2679 | 1.20 + 0.60 + (75 mm filling) | m² | On the job | 375,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.2680 | 1.20 + 0.60 + (80 mm filling) | m² | On the job | 385,00 |
| 10.330.2681 | 1.20 + 0.60 + (100 mm filling) | m² | On the job | 410,00 |
| | **Polyisocyanurate (PIR) insulated sandwich roof panels (TS EN 14509) (Fire Reaction Class min. B s3 d0, BROOF-certified exterior fire performance, Polyisocyanurate density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyisocyanurate coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2701 | 0.50 + 0.40 + (40 mm filling) | m² | On the job | 220,00 |
| 10.330.2702 | 0.50 + 0.40 + (50 mm filling) | m² | On the job | 245,00 |
| 10.330.2703 | 0.50 + 0.40 + (60 mm filling) | m² | On the job | 280,00 |
| 10.330.2704 | 0.50 + 0.40 + (75 mm filling) | m² | On the job | 310,00 |
| 10.330.2705 | 0.50 + 0.40 + (80 mm filling) | m² | On the job | 320,00 |
| 10.330.2706 | 0.50 + 0.40 + (100 mm filling) | m² | On the job | 355,00 |
| 10.330.2707 | 0.50 + 0.50 + (100 mm filling) | m² | On the job | 365,00 |
| 10.330.2708 | 0.50 + 0.50 + (40 mm filling) | m² | On the job | 255,00 |
| 10.330.2709 | 0.70 + 0.50 + (60 mm filling) | m² | On the job | 310,00 |
| | **Polyisocyanurate (PIR) insulated, concealed fastener sandwich facade panels (TS EN 14509) (Fire Reaction Class min. B s3 d0, Polyisocyanurate density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting rol system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2726 | 0.50 + 0.40 + (40 mm filling) | m² | On the job | 225,00 |
| 10.330.2727 | 0.50 + 0.40 + (50 mm filling) | m² | On the job | 245,00 |
| 10.330.2728 | 0.50 + 0.40 + (60 mm filling) | m² | On the job | 265,00 |
| 10.330.2729 | 0.60 + 0.40 + (75 mm filling) | m² | On the job | 310,00 |
| 10.330.2730 | 0.60 + 0.40 + (80 mm filling) | m² | On the job | 320,00 |
| 10.330.2731 | 0.60 + 0.40 + (100 mm filling) | m² | On the job | 355,00 |
| | **Sandwich roof panel with polyisocyanurate insulation and 1.20-mm-thick felt PVC membrane (Fire Reaction Class min. B s3 d0, BROOF-certified exterior fire performance, Polyisocyanurate density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyisocyanurate coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-resistant)** | | | |
| 10.330.2751 | 1.20 + 0.60 + (40 mm filling) | m² | On the job | 340,00 |
| 10.330.2752 | 1.20 + 0.60 + (50 mm filling) | m² | On the job | 355,00 |
| 10.330.2753 | 1.20 + 0.60 + (60 mm filling) | m² | On the job | 375,00 |
| 10.330.2754 | 1.20 + 0.60 + (75 mm filling) | m² | On the job | 400,00 |
| 10.330.2755 | 1.20 + 0.60 + (80 mm filling) | m² | On the job | 405,00 |
| 10.330.2756 | 1.20 + 0.60 + (100 mm filling) | m² | On the job | 430,00 |
| | **Sandwich roof panel with polyisocyanurate insulation and 1.20-mm-thick felt TPO membrane (Fire Reaction Class min. B s3 d0, BROOF-certified exterior fire performance, Polyisocyanurate density min. 38-42 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyisocyanurate coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)** | | | |
| 10.330.2776 | 1.20 + 0.60 + (40 mm filling) | m² | On the job | 355,00 |
| 10.330.2777 | 1.20 + 0.60 + (50 mm filling) | m² | On the job | 360,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.2778 | 1.20 + 0.60 + (60 mm filling) | m² | On the job | 380,00 |
| 10.330.2779 | 1.20 + 0.60 + (75 mm filling) | m² | On the job | 405,00 |
| 10.330.2780 | 1.20 + 0.60 + (80 mm filling) | m² | On the job | 410,00 |
| 10.330.2781 | 1.20 + 0.60 + (100 mm filling) | m² | On the job | 445,00 |
| | **Polystyrene (EPS) insulated sandwich roof panels (TS EN 14509) (Fire reaction class min. E, exterior fire performance BROOF-certified, EPS density min. 15-20 kg/m³, Natural and embossed aluminum panel yield strength min. 140 N/mm²)** | | | |
| 10.330.2801 | 0.70 + 0.50 + (40 mm filling) | m² | On the job | 270,00 |
| 10.330.2802 | 0.70 + 0.50 + (50 mm filling) | m² | On the job | 280,00 |
| 10.330.2803 | 0.70 + 0.50 + (60 mm filling) | m² | On the job | 285,00 |
| 10.330.2804 | 0.70 + 0.50 + (80 mm filling) | m² | On the job | 295,00 |
| 10.330.2805 | 0.70 + 0.50 + (100 mm filling) | m² | On the job | 310,00 |
| 10.330.2806 | 0.50 + 0.50 + (40 mm filling) | m² | On the job | 245,00 |
| 10.330.2807 | 0.50 + 0.50 + (50 mm filling) | m² | On the job | 250,00 |
| 10.330.2808 | 0.50 + 0.50 + (60 mm filling) | m² | On the job | 255,00 |
| 10.330.2809 | 0.50 + 0.50 + (80 mm filling) | m² | On the job | 270,00 |
| 10.330.2810 | 0.50 + 0.50 + (100 mm filling) | m² | On the job | 280,00 |
| | **Polystyrene (EPS) insulated sandwich roof panels (TS EN 14509) (Fire Reaction Class min. E, BROOF-certified exterior fire performance, EPS density min. 15-20 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to EPS coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2826 | 0.50 + 0.40 + (40 mm filling) | m² | On the job | 215,00 |
| 10.330.2827 | 0.50 + 0.40 + (50 mm filling) | m² | On the job | 225,00 |
| 10.330.2828 | 0.50 + 0.40 + (60 mm filling) | m² | On the job | 230,00 |
| 10.330.2829 | 0.50 + 0.40 + (80 mm filling) | m² | On the job | 245,00 |
| 10.330.2830 | 0.50 + 0.40 + (100 mm filling) | m² | On the job | 250,00 |
| 10.330.2831 | 0.50 + 0.50 + (40 mm filling) | m² | On the job | 225,00 |
| 10.330.2832 | 0.50 + 0.50 + (50 mm filling) | m² | On the job | 230,00 |
| 10.330.2833 | 0.50 + 0.50 + (60 mm filling) | m² | On the job | 245,00 |
| 10.330.2834 | 0.50 + 0.50 + (80 mm filling) | m² | On the job | 250,00 |
| 10.330.2835 | 0.50 + 0.50 + (100 mm filling) | m² | On the job | 255,00 |
| 10.330.2836 | 0.70 + 0.50 + (40 mm filling) | m² | On the job | 255,00 |
| 10.330.2837 | 0.70 + 0.50 + (50 mm filling) | m² | On the job | 255,00 |
| 10.330.2838 | 0.70 + 0.50 + (60 mm filling) | m² | On the job | 270,00 |
| 10.330.2839 | 0.70 + 0.50 + (80 mm filling) | m² | On the job | 280,00 |
| 10.330.2840 | 0.70 + 0.50 + (100 mm filling) | m² | On the job | 295,00 |
| | **Polystyrene (EPS) insulated sandwich roof panels (TS EN 14509) (Fire Reaction Class min. E, BROOF-certified exterior fire performance, EPS density min. 15-20 kg/m³, Upper sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to EPS coated with min. 5-micron epoxy primer, lower natural and embossed aluminum plate yield strength min. 140 N/mm²)** | | | |
| 10.330.2851 | 0.50 + 0.40 + (40 mm filling) | m² | On the job | 225,00 |
| 10.330.2852 | 0.50 + 0.40 + (50 mm filling) | m² | On the job | 230,00 |
| 10.330.2853 | 0.50 + 0.40 + (60 mm filling) | m² | On the job | 255,00 |
| 10.330.2854 | 0.50 + 0.40 + (80 mm filling) | m² | On the job | 250,00 |
| 10.330.2855 | 0.50 + 0.40 + (100 mm filling) | m² | On the job | 255,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.2856 | 0.50 + 0.50 + (40 mm filling) | m² | On the job | 230,00 |
| 10.330.2857 | 0.50 + 0.50 + (50 mm filling) | m² | On the job | 245,00 |
| 10.330.2858 | 0.50 + 0.50 + (60 mm filling) | m² | On the job | 250,00 |
| 10.330.2859 | 0.50 + 0.50 + (80 mm filling) | m² | On the job | 255,00 |
| 10.330.2860 | 0.50 + 0.50 + (100 mm filling) | m² | On the job | 270,00 |
| 10.330.2861 | 0.70 + 0.50 + (40 mm filling) | m² | On the job | 255,00 |
| 10.330.2862 | 0.70 + 0.50 + (50 mm filling) | m² | On the job | 270,00 |
| 10.330.2863 | 0.70 + 0.50 + (60 mm filling) | m² | On the job | 280,00 |
| 10.330.2864 | 0.70 + 0.50 + (80 mm filling) | m² | On the job | 285,00 |
| 10.330.2865 | 0.70 + 0.50 + (100 mm filling) | m² | On the job | 300,00 |
| | **Rock wool-insulated, sandwich roof panels (TS EN 14509) (Fire Reaction Class A2 s1 d0, BROOF exterior fire performance, Rock Wool density min. 100 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2901 | 0.50 + 0.50 + (50 mm filling) | m² | On the job | 275,00 |
| 10.330.2902 | 0.50 + 0.50 + (60 mm filling) | m² | On the job | 285,00 |
| 10.330.2903 | 0.50 + 0.50 + (75 mm filling) | m² | On the job | 305,00 |
| 10.330.2904 | 0.50 + 0.50 + (80 mm filling) | m² | On the job | 310,00 |
| 10.330.2905 | 0.60 + 0.50 + (100 mm filling) | m² | On the job | 325,00 |
| 10.330.2906 | 0.60 + 0.50 + (50 mm filling) | m² | On the job | 290,00 |
| 10.330.2907 | 0.60 + 0.50 + (60 mm filling) | m² | On the job | 305,00 |
| 10.330.2908 | 0.60 + 0.50 + (75 mm filling) | m² | On the job | 320,00 |
| 10.330.2909 | 0.60 + 0.50 + (80 mm filling) | m² | On the job | 320,00 |
| 10.330.2910 | 0.70 + 0.50 + (100 mm filling) | m² | On the job | 340,00 |
| 10.330.2911 | 0.70 + 0.60 + (120 mm filling) | m² | On the job | 400,00 |
| 10.330.2912 | 0.70 + 0.60 + (150 mm filling) | m² | On the job | 425,00 |
| | **Rock wool-insulated, hidden fastener sandwich facade panels (TS EN 14509) (Fire Reaction Class A2 s1 d0, Rock wool density min. 100 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer)** | | | |
| 10.330.2926 | 0.50 + 0.50 + (50 mm filling) | m² | On the job | 305,00 |
| 10.330.2927 | 0.60 + 0.50 + (60 mm filling) | m² | On the job | 295,00 |
| 10.330.2928 | 0.60 + 0.50 + (75 mm filling) | m² | On the job | 310,00 |
| 10.330.2929 | 0.60 + 0.50 + (80 mm filling) | m² | On the job | 320,00 |
| 10.330.2930 | 0.60 + 0.50 + (100 mm filling) | m² | On the job | 335,00 |
| 10.330.2931 | 0.70 + 0.50 + (75 mm filling) | m² | On the job | 310,00 |
| 10.330.2932 | 0.70 + 0.50 + (80 mm filling) | m² | On the job | 320,00 |
| 10.330.2933 | 0.70 + 0.50 + (100 mm filling) | m² | On the job | 335,00 |
| 10.330.2934 | 0.70 + 0.60 + (120 mm filling) | m² | On the job | 385,00 |
| 10.330.2935 | 0.70 + 0.60 + (150 mm filling) | m² | On the job | 425,00 |
| | **Sandwich roof panel with rock wool insulation and 1.20-mm-thick felt PVC membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 120 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-resistant)** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.2951 | 1.20 + 0.60 + (50 mm filling) | m² | On the job | 375,00 |
| 10.330.2952 | 1.20 + 0.60 + (60 mm filling) | m² | On the job | 385,00 |
| 10.330.2953 | 1.20 + 0.60 + (75 mm filling) | m² | On the job | 405,00 |
| 10.330.2954 | 1.20 + 0.60 + (80 mm filling) | m² | On the job | 410,00 |
| 10.330.2955 | 1.20 + 0.70 + (100 mm filling) | m² | On the job | 445,00 |
| | **Sandwich roof panel with rock wool insulation and 1.20-mm-thick felt TPO membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 120 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)** | | | |
| 10.330.2961 | 1.20 + 0.60 + (50 mm filling) | m² | On the job | 380,00 |
| 10.330.2962 | 1.20 + 0.60 + (60 mm filling) | m² | On the job | 400,00 |
| 10.330.2963 | 1.20 + 0.60 + (75 mm filling) | m² | On the job | 410,00 |
| 10.330.2964 | 1.20 + 0.60 + (80 mm filling) | m² | On the job | 425,00 |
| 10.330.2965 | 1.20 + 0.70 + (100 mm filling) | m² | On the job | 450,00 |
| | **Sandwich roof panel with rock wool insulation and 1.50-mm-thick felt TPO membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 120 kg/m³, Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)** | | | |
| 10.330.2971 | 1.50 + 0.60 + (50 mm filling) | m² | On the job | 385,00 |
| 10.330.2972 | 1.50 + 0.60 + (60 mm filling) | m² | On the job | 405,00 |
| 10.330.2973 | 1.50 + 0.60 + (75 mm filling) | m² | On the job | 425,00 |
| 10.330.2974 | 1.50 + 0.60 + (80 mm filling) | m² | On the job | 430,00 |
| 10.330.2975 | 1.50 + 0.70 + (100 mm filling) | m² | On the job | 465,00 |
| | **Sandwich roof panel with rock wool and polyurethane insulation and 1.20-mm-thick felt PVC membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 100 kg/m³, Polyurethane density min. 40 kg/m³ Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-resistant)** | | | |
| 10.330.2981 | 1.20 + 0.60 + (50 mm rock wool + 25 mm polyurethane filling) | m² | On the job | 425,00 |
| 10.330.2982 | 1.20 + 0.50 + (75 mm rock wool + 25 mm polyurethane filling) | m² | On the job | 435,00 |
| | **Sandwich roof panel with rock wool and polyurethane insulation and 1.20-mm-thick felt TPO membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 100 kg/m³, Polyurethane density min. 40 kg/m³ Sheet metal yield strength min. 220 N/mm², Sheet metals galvanized min. 100 g/m², exterior surface coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)** | | | |
| 10.330.2986 | 1.20 + 0.60 + (50 mm rock wool + 25 mm polyurethane filling) | m² | On the job | 430,00 |
| 10.330.2987 | 1.20 + 0.50 + (75 mm rock wool + 25 mm polyurethane filling) | m² | On the job | 450,00 |
| | **Roof Exterior Panel Installation Materials, etc.** | | | |
| 10.330.3098 | Plastic-based sealing strip (10-mm thick, 30-mm wide) | m | On the job | 5,10 |
| 10.330.3099 | Panel installation screw with EPDM seal | Qty | On the job | 0,95 |
| 10.330.3100 | Panel installation screw with puller screw | Qty | On the job | 0,95 |
| | **SPRAYED INSULATION AGENTS** | | | |
| 10.330.3101 | Two-component, sprayed, hard polyurethane foam (TS EN 14315-1, 2) | Kg | On the job | 41,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.3102 | Boron-added, loose-textured cellulose (TS EN 15101-1, 2) | Kg | On the job | 13,50 |
| | **INSULATION PLASTERS** | | | |
| 10.330.3201 | Ready-made rough/fine plaster mortar (T I, W I, CS I) (TS EN 998-1) | m³ | On the job | 1.850,00 |
| 10.330.3202 | Ready-made rough/fine plaster mortar (T I, W I, CS II) (TS EN 998-1) | m³ | On the job | 2.000,00 |
| | **AAC THERMAL INSULATION PANELS (TS 13729)** | | | |
| 10.330.3301 | AAC thermal insulation panels | m³ | On the job | 780,00 |
| 10.330.3302 | AAC thermal insulation panel plaster | Kg | On the job | 1,80 |
| 10.330.3303 | AAC thermal insulation panel adhesive | Kg | On the job | 1,80 |
| | **WOOD CHIP PLANKS (TS 305) (200x50 cm)** | | | |
| 10.330.3401 | 2.5 cm | m² | On the job | 43,50 |
| 10.330.3402 | 3.5 cm | m² | On the job | 55,50 |
| 10.330.3403 | 5 cm | m² | On the job | 71,00 |
| 10.330.3404 | 7.5 cm | m² | On the job | 87,00 |
| 10.330.3405 | 10 cm | m² | On the job | 113,00 |
| | **PRESSED STRAW-FILLED BOARDS (TS EN 13986+A1)** | | | |
| 10.330.3451 | 40-mm-thickness, pressed straw-filled board covered with cardboard tube | m² | On the job | 100,00 |
| 10.330.3452 | 60-mm-thickness, pressed straw-filled board covered with cardboard tube | m² | On the job | 110,00 |
| | **SUB-FLOORING MAT WITH MIN. 30 kg/m³ DENSITY (polyethylene foam)** | | | |
| 10.330.3501 | 2 mm thickness | m² | On the job | 1,30 |
| 10.330.3502 | 3 mm thickness | m² | On the job | 2,05 |
| 10.330.3503 | 4 mm thickness | m² | On the job | 2,55 |
| 10.330.3504 | 5 mm thickness | m² | On the job | 3,20 |
| | **FLAT MAT MADE OF POLYETHYLENE FOAM (min. 90 kg/m³ density) (TS EN 16069+A1) (Market Prices of other thicknesses will be interpolated)** | | | |
| 10.330.3521 | 2 mm thickness | m² | On the job | 7,50 |
| 10.330.3522 | 5 mm thickness | m² | On the job | 18,50 |
| 10.330.3523 | 8 mm thickness | m² | On the job | 30,50 |
| 10.330.3524 | 15 mm thickness | m² | On the job | 58,00 |
| 10.330.3525 | 30 mm thickness | m² | On the job | 114,00 |
| | **PERFORATED MAT MADE OF POLYETHYLENE FOAM (min. 90 kg/m³ density) (TS EN 16069+A1) (Market Prices of other thicknesses will be interpolated)** | | | |
| 10.330.3541 | 2 mm thickness | m² | On the job | 15,00 |
| 10.330.3542 | 2.5 mm thickness | m² | On the job | 20,00 |
| 10.330.3543 | 5 mm thickness | m² | On the job | 30,00 |
| | **POLYESTER-BASED INSULATION FELT (UTO) (Thermal conductivity value ≤ 0.038 W/mK, Fire class min. C s2d1)** | | | |
| 10.330.3561 | 7 mm thickness | m² | On the job | 33,00 |
| 10.330.3562 | 10 mm thickness | m² | On the job | 47,00 |
| 10.330.3563 | 15 mm thickness | m² | On the job | 54,00 |
| 10.330.3564 | 20 mm thickness | m² | On the job | 69,00 |
| | **BITUMEN SHEETS (in every shape and size) (Shingle) (TS EN 544)** | | | |
| 10.330.5001 | Oxidized bitumen shingles containing minimum 1300 g/m² of bitumen | m² | On the job | 73,00 |
| 10.330.5002 | Self-adhesive, oxidized bitumen shingles containing minimum 1300 g/m² of bitumen | m² | On the job | 80,00 |
| 10.330.5003 | Elastomer-modified, bitumen shingles containing minimum 1300 g/m² of bitumen | m² | On the job | 68,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.5004 | Self-adhesive, elastomer-modified, bitumen shingles containing minimum 1300 g/m² of bitumen | m² | On the job | 73,00 |
| 10.330.5005 | Plastomer APP-modified, bitumen shingles (with glass tissue carriers) containing minimum 1300 g/m² of bitumen | m² | On the job | 68,00 |
| 10.330.5006 | Self-adhesive, plastomer APP-modified, bitumen shingles (with glass tissue carriers) containing minimum 1300 g/m² of bitumen | m² | On the job | 73,00 |
| | **POLYMER BITUMEN SHEETS (TS EN 13969, TS EN 13707, Torch-treated)** | | | |
| | **1- Sheets with Plastomer-based Glass Tissue Carriers (Bent at -10°C, Tensile strength min. 300/200 N/5 cm, strain failures 2% longitudinally, 2% transversely)** | | | |
| 10.330.5101 | 2 mm | m² | On the job | 24,50 |
| 10.330.5102 | 3 mm | m² | On the job | 30,00 |
| 10.330.5103 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 36,00 |
| 10.330.5104 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 37,50 |
| 10.330.5105 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 36,50 |
| 10.330.5106 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 36,50 |
| 10.330.5107 | 3 mm, one surface coated with metal foil | m² | On the job | 42,00 |
| | **1A- Sheets with Plastomer-based Glass Tissue Carriers (Bent at -10°C, Tensile strength min. 400/300 N/5 cm, strain failures 2% longitudinally, 2% transversely)** | | | |
| 10.330.5111 | 2 mm | m² | On the job | 26,00 |
| 10.330.5112 | 3 mm | m² | On the job | 32,00 |
| 10.330.5113 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 36,00 |
| 10.330.5114 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 38,00 |
| 10.330.5115 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 38,00 |
| 10.330.5116 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 38,00 |
| 10.330.5117 | 3 mm, one surface coated with metal foil | m² | On the job | 43,00 |
| | **2- Covers with Plastomer-based Polyester Felt carriers (Bent at -10°C, Tensile strength min. 800/600 N/5 cm, strain failures 35% longitudinally, 35% transversely)** | | | |
| 10.330.5121 | 3 mm | m² | On the job | 35,00 |
| 10.330.5122 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 42,00 |
| 10.330.5123 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 43,00 |
| 10.330.5124 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 42,00 |
| 10.330.5125 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 42,00 |
| 10.330.5126 | 3 mm, one surface coated with metal foil | m² | On the job | 48,00 |
| 10.330.5127 | 4 mm | m² | On the job | 42,00 |
| 10.330.5128 | 4.3 mm, one surface coated with reflective gray mineral | m² | On the job | 48,00 |
| 10.330.5129 | 4.3 mm, one surface coated with reflective white mineral | m² | On the job | 49,00 |
| 10.330.5130 | 4.3 mm, one surface coated with reflective red mineral | m² | On the job | 49,00 |
| 10.330.5131 | 4.3 mm, one surface coated with reflective green mineral | m² | On the job | 49,00 |
| 10.330.5132 | 4 mm, one surface coated with metal foil | m² | On the job | 54,00 |
| 10.330.5133 | 4 mm (resistant to plant roots) (Results of tests conducted by accredited laboratories as per TS EN 13948 shall be required.) | m² | On the job | 74,00 |
| | **Covers with 2-A Plastomer-based Polyester Felt carriers (Bent at -10°C, Tensile strength min. 1000/800 N/5 cm, strain failures 40% longitudinally, 40% transversely)** | | | |
| 10.330.5141 | 4 mm Viaduct type | m² | On the job | 56,00 |
| | **3- Sheets with Elastomer-based Glass Tissue Carriers (Bent at -20°C, Tensile strength min. 300/200 N/5 cm, strain failures 2% longitudinally, 2% transversely)** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.5151 | 2 mm | m² | On the job | 28,00 |
| 10.330.5152 | 3 mm | m² | On the job | 34,00 |
| 10.330.5153 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 40,00 |
| 10.330.5154 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 42,00 |
| 10.330.5155 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 41,00 |
| 10.330.5156 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 41,00 |
| 10.330.5157 | 3 mm, one surface coated with metal foil | m² | On the job | 47,00 |
| | **3A-Sheets with Elastomer-based Glass Tissue Carriers (Bent at -20°C, Tensile strength min. 400/300 N/5 cm, strain failures 2% longitudinally, 2% transversely)** | | | |
| 10.330.5161 | 2 mm | m² | On the job | 30,00 |
| 10.330.5162 | 3 mm | m² | On the job | 36,00 |
| 10.330.5163 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 42,00 |
| 10.330.5164 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 43,00 |
| 10.330.5165 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 42,00 |
| 10.330.5166 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 42,00 |
| 10.330.5167 | 3 mm, one surface coated with metal foil | m² | On the job | 48,00 |
| | **Covers with 4-Elastomer-based Polyester Felt carriers (Bent at -20°C, Tensile strength min. 800/600 N/5 cm, strain failures 35% longitudinally, 35% transversely)** | | | |
| 10.330.5171 | 3 mm | m² | On the job | 42,00 |
| 10.330.5172 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 49,00 |
| 10.330.5173 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 51,00 |
| 10.330.5174 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 50,00 |
| 10.330.5175 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 50,00 |
| 10.330.5176 | 3 mm, one surface coated with metal foil | m² | On the job | 62,00 |
| 10.330.5177 | 4 mm | m² | On the job | 50,00 |
| 10.330.5178 | 4.3 mm, one surface coated with reflective gray mineral | m² | On the job | 56,00 |
| 10.330.5179 | 4.3 mm, one surface coated with reflective white mineral | m² | On the job | 58,00 |
| 10.330.5180 | 4.3 mm, one surface coated with reflective red mineral | m² | On the job | 57,00 |
| 10.330.5181 | 4.3 mm, one surface coated with reflective green mineral | m² | On the job | 57,00 |
| 10.330.5182 | 4 mm, one surface coated with metal foil | m² | On the job | 63,00 |
| 10.330.5183 | 4 mm (resistant to plant roots)<br>(Results of tests conducted by accredited laboratories as per TS EN 13948 shall be required.) | m² | On the job | 84,00 |
| | **5- Sheets with Plastomer-based Glass Tissue Carriers (Bent at -5°C, Tensile strength min. 300/200 N/5 cm, strain failures 2% longitudinally, 2% transversely)** | | | |
| 10.330.5191 | 2 mm | m² | On the job | 23,00 |
| 10.330.5192 | 3 mm | m² | On the job | 28,00 |
| 10.330.5193 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 34,00 |
| 10.330.5194 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 35,00 |
| 10.330.5195 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 34,00 |
| 10.330.5196 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 34,00 |
| | **6- Covers with Plastomer-based Polyester Felt carriers (Bent at -5°C, Tensile strength min. 600/400 N/5 cm, strain failures 30% longitudinally, 30% transversely)** | | | |
| 10.330.5201 | 3 mm | m² | On the job | 33,00 |
| 10.330.5202 | 3.3 mm, one surface coated with reflective gray mineral | m² | On the job | 40,00 |
| 10.330.5203 | 3.3 mm, one surface coated with reflective white mineral | m² | On the job | 40,00 |
| 10.330.5204 | 3.3 mm, one surface coated with reflective red mineral | m² | On the job | 40,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.5205 | 3.3 mm, one surface coated with reflective green mineral | m² | On the job | 40,00 |
| 10.330.5206 | 4 mm | m² | On the job | 40,00 |
| 10.330.5207 | 4.3 mm, one surface coated with reflective gray mineral | m² | On the job | 45,00 |
| 10.330.5208 | 4.3 mm, one surface coated with reflective white mineral | m² | On the job | 47,00 |
| 10.330.5209 | 4.3 mm, one surface coated with reflective red mineral | m² | On the job | 47,00 |
| 10.330.5210 | 4.3 mm, one surface coated with reflective green mineral | m² | On the job | 47,00 |
| | **7- Liquid Primers and Protective Agents** | | | |
| 10.330.5291 | Bitumen emulsion (TS 113) | Kg | On the job | 10,00 |
| 10.330.5292 | Bitumen solution | Kg | On the job | 18,50 |
| 10.330.5293 | Elastomeric bitumen solution | Kg | On the job | 21,00 |
| 10.330.5294 | Reflective bitumen solution | Kg | On the job | 38,00 |
| 10.330.5295 | Elastomeric bitumen | Kg | On the job | 20,00 |
| | **MECHANICAL FITTINGS (SCREWS) FOR WATER INSULATION** | | | |
| | **a) Metal head and metal screws** | | | |
| 10.330.5301 | 4.8 x 70 mm | Qty | On the job | 0,45 |
| 10.330.5302 | 4.8 x 90 mm | Qty | On the job | 0,60 |
| 10.330.5303 | 4.8 x 110 mm | Qty | On the job | 0,75 |
| | **b) plastic head and metal threads** | | | |
| 10.330.5306 | 4.8 x 70 mm | Qty | On the job | 0,75 |
| 10.330.5307 | 4.8 x 90 mm | Qty | On the job | 0,85 |
| 10.330.5308 | 4.8 x 110 mm | Qty | On the job | 1,00 |
| | **Asphalt (Used for roofing) (TS 105)** | | | |
| 10.330.5401 | Type 1 (Softening point: 57 - 66) | Kg | On the job | 3,80 |
| 10.330.5402 | Type 2 (Softening point: 70 - 80) | Kg | On the job | 3,80 |
| 10.330.5403 | Type 3 (Softening point: 85 - 96) | Kg | On the job | 3,80 |
| 10.330.5404 | Type 4 (Softening point: 99 - 107) | Kg | On the job | 3,80 |
| | **ASPHALT CEMENTS AND LIQUID PETROLEUM ASPHALT** | | | |
| 10.330.5421 | Asphalt cement (Penetration asphalt) (Izmit) | Kg | Refinery | 8,70 |
| 10.330.5422 | Asphalt cement (Penetration asphalt) (Kırıkkale) | Kg | Refinery | 8,80 |
| 10.330.5423 | Asphalt cement (Penetration asphalt) (Batman) | Kg | Refinery | 8,80 |
| 10.330.5424 | Asphalt cement (Penetration asphalt) (Izmir) | Kg | Refinery | 8,70 |
| 10.330.5425 | MC-30 (Medium-setting) | Kg | Refinery | 13,50 |
| 10.330.5426 | MC-800 (Medium-setting) | Kg | Refinery | 12,00 |
| | **ASPHALT EMULSIONS USED FOR ROAD PAVEMENT (TS 1082, TS EN 13808)** | | | |
| 10.330.5441 | Cationic Asphalt Emulsion (CRS-1 Type) | Kg | Factory | 6,00 |
| 10.330.5442 | Cationic Asphalt Emulsion (CRS-2 Type) | Kg | Factory | 7,00 |
| 10.330.5443 | Cationic Asphalt Emulsion (CMS-2 Type) | Kg | Factory | 7,50 |
| 10.330.5444 | Cationic Asphalt Emulsion (CSS-1 Type) | Kg | Factory | 7,55 |
| 10.330.5445 | Anionic Asphalt Emulsion (RS-1 Type) | Kg | Factory | 5,85 |
| 10.330.5446 | Anionic Asphalt Emulsion (SS-1 Type) | Kg | Factory | 6,25 |
| | **MASTIC ASPHALT** | | | |
| 10.330.5451 | Mastic Asphalt (TS 112 EN 12970) | Kg | On the job | 13,50 |
| | **VARIOUS WATER AND STEAM INSULATION MATERIALS** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.5491 | Canvas | m² | On the job | 2,75 |
| 10.330.5492 | Tarred rope (Ø12 mm) | m | On the job | 2,90 |
| 10.330.5493 | Bitumen cardboard (TS EN 13859-1) (Type 1) | m² | On the job | 1,90 |
| 10.330.5494 | Minimum 1-mm-thick, non-laminated polymer bitumen cover with glass tissue, coated with polyethylene film on both surfaces, for use under sloped roofing materials (TS EN 13859-1) | m² | On the job | 20,50 |
| 10.330.5495 | Bitumen cardboard (TS EN 13859-1) (Type 3) | m² | On the job | 2,05 |
| 10.330.5496 | Minimum 0.60-mm-thick, non-laminated polymer bitumen cover with polyester felt carriers, coated with polyethylene film on both surfaces, for use under sloped roofing materials (TS EN 13859-1) | m² | On the job | 23,50 |
| 10.330.5497 | Sub-roof water insulation board with bitumen-impregnated organic fiber (TS EN 14964) | m² | On the job | 42,00 |
| 10.330.5498 | Water insulation cover permeable to water vapor<br>TS EN 13859-1, 2 (waterproofing class WI) | m² | On the job | 15,50 |
| | **GEOTEXTILE FELTS** | | | |
| 10.330.6001 | 100 g/m² | m² | On the job | 1,75 |
| 10.330.6002 | 150 g/m² | m² | On the job | 1,90 |
| 10.330.6003 | 200 g/m² | m² | On the job | 2,55 |
| 10.330.6004 | 250 g/m² | m² | On the job | 3,00 |
| 10.330.6005 | 300 g/m² | m² | On the job | 3,75 |
| 10.330.6006 | 400 g/m² | m² | On the job | 4,85 |
| 10.330.6007 | 500 g/m² | m² | On the job | 6,05 |
| | Note: Where other measurable properties than weight is sought in the project specifications, this item shall not apply. | | | |
| | **GEOMEMBRANES (TS EN 13956, TS EN 13967+A1)<br>(Prices of other thicknesses shall be interpolated)** | | | |
| | **1-PVC-based, Flat type/with Signal layer** | | | |
| 10.330.6011 | 1 mm thickness | m² | On the job | 31,00 |
| 10.330.6012 | 1.5 mm thickness | m² | On the job | 46,00 |
| 10.330.6013 | 2 mm thickness | m² | On the job | 62,00 |
| 10.330.6014 | 2.5 mm thickness | m² | On the job | 78,00 |
| | **2- PVC-based, UV-resistant, Reinforced<br>(Glass fiber or polyester)** | | | |
| 10.330.6021 | 1 mm thickness | m² | On the job | 34,00 |
| 10.330.6022 | 1.5 mm thickness | m² | On the job | 51,00 |
| 10.330.6023 | 2 mm thickness | m² | On the job | 68,00 |
| 10.330.6024 | 2.5 mm thickness | m² | On the job | 85,00 |
| | **3- HDPE-based, Flat type/with Signal layer** | | | |
| 10.330.6031 | 1 mm thickness | m² | On the job | 25,00 |
| 10.330.6032 | 1.5 mm thickness | m² | On the job | 37,00 |
| 10.330.6033 | 2 mm thickness | m² | On the job | 50,00 |
| 10.330.6034 | 2.5 mm thickness | m² | On the job | 63,00 |
| | **4- HDPE-based, UV-resistant, Reinforced<br>(Glass fiber or polyester)** | | | |
| 10.330.6041 | 1 mm thickness | m² | On the job | 28,00 |
| 10.330.6042 | 1.5 mm thickness | m² | On the job | 42,00 |
| 10.330.6043 | 2 mm thickness | m² | On the job | 56,00 |
| 10.330.6044 | 2.5 mm thickness | m² | On the job | 70,00 |
| | **5- LDPE-based, Flat type/with Signal layer** | | | |
| 10.330.6051 | 1 mm thickness | m² | On the job | 25,00 |
| 10.330.6052 | 1.5 mm thickness | m² | On the job | 37,00 |
| 10.330.6053 | 2 mm thickness | m² | On the job | 50,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.6054 | 2.5 mm thickness | m² | On the job | 62,00 |
| | **7- Thermoset EPDM-based** | | | |
| 10.330.6061 | 1 mm thickness | m² | On the job | 66,00 |
| 10.330.6062 | 1.5 mm thickness | m² | On the job | 99,00 |
| 10.330.6063 | 2 mm thickness | m² | On the job | 134,00 |
| 10.330.6064 | 2.5 mm thickness | m² | On the job | 165,00 |
| | **9- TPO-based, UV-resistant, Reinforced (Glass fiber or polyester)** | | | |
| 10.330.6071 | 1 mm thickness | m² | On the job | 45,00 |
| 10.330.6072 | 1.5 mm thickness | m² | On the job | 67,00 |
| 10.330.6073 | 2 mm thickness | m² | On the job | 90,00 |
| 10.330.6074 | 2.5 mm thickness | m² | On the job | 112,00 |
| | **10-Thermoplastic EPDM-based** | | | |
| 10.330.6081 | 1 mm thickness | m² | On the job | 54,00 |
| 10.330.6082 | 1.5-mm-thick geomembrane (Thermoplastic EPDM-based) | m² | On the job | 82,00 |
| 10.330.6083 | 2 mm thickness | m² | On the job | 109,00 |
| 10.330.6084 | 2.5 mm thickness | m² | On the job | 138,00 |
| | **11- HDPE-based, Cross T-Grip** | | | |
| 10.330.6091 | 1.5 mm thickness | m² | On the job | 49,00 |
| 10.330.6092 | 2 mm thickness | m² | On the job | 65,00 |
| 10.330.6093 | 2.5 mm thickness | m² | On the job | 81,00 |
| | **RUBBER DILATATION EXPANSION USED FOR CONCRETE WORKS (Rubber seals) (TS 2810-1,2)** | | | |
| 10.330.6201 | Class I | Kg | On the job | 45,00 |
| 10.330.6202 | Class II | Kg | On the job | 32,00 |
| 10.330.6203 | Class III | Kg | On the job | 28,00 |
| | **PVC RUBBER DILATATION EXPANSION USED FOR CONCRETE WORKS (Plastic seals) (TS 3078-1,2)** | | | |
| 10.330.6211 | Normal seals (n) | Kg | On the job | 29,00 |
| 10.330.6212 | Special parts (z) | Kg | On the job | 32,00 |
| 10.330.6213 | Different types of seals | Kg | On the job | 31,00 |
| | **HDPE Boards (TS 6905 EN ISO 14632) (Any color) (with/without UV resistance) (Prices of other thicknesses shall be interpolated)** | | | |
| 10.330.6301 | 2 mm thickness | m² | On the job | 65,00 |
| 10.330.6302 | 3 mm thickness | m² | On the job | 98,00 |
| 10.330.6303 | 4 mm thickness | m² | On the job | 132,00 |
| 10.330.6304 | 5 mm thickness | m² | On the job | 165,00 |
| 10.330.6305 | 10 mm thickness | m² | On the job | 330,00 |
| 10.330.6306 | 20 mm thickness | m² | On the job | 640,00 |
| 10.330.6307 | 30 mm thickness | m² | On the job | 990,00 |
| 10.330.6308 | HDPE Welding Rod | Kg | On the job | 42,00 |
| | **PP Boards (TS EN ISO 15013) (Any color) (with/without UV resistance) (Prices of other thicknesses shall be interpolated)** | | | |
| 10.330.6321 | 2 mm thickness | m² | On the job | 62,00 |
| 10.330.6322 | 3 mm thickness | m² | On the job | 91,00 |
| 10.330.6323 | 4 mm thickness | m² | On the job | 125,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.330.6324 | 5 mm thickness | m² | On the job | 159,00 |
| 10.330.6325 | 10 mm thickness | m² | On the job | 320,00 |
| 10.330.6326 | 20 mm thickness | m² | On the job | 640,00 |
| 10.330.6327 | 30 mm thickness | m² | On the job | 960,00 |
| 10.330.6328 | PP Welding Rod | Kg | On the job | 41,00 |
| | **HDPE-based Drainage and Protection Boards** | | | |
| 10.330.6401 | 150 ≤ Pressure Resistance < 200 kN/m² | m² | On the job | 8,80 |
| 10.330.6402 | 200 ≤ Pressure Resistance < 250 kN/m² | m² | On the job | 11,00 |
| 10.330.6403 | 250 ≤ Pressure Resistance < 350 kN/m² | m² | On the job | 14,50 |
| 10.330.6404 | 350 ≤ Pressure Resistance < 450 kN/m² | m² | On the job | 27,00 |
| 10.330.6405 | 450 ≤ Pressure Resistance < 550 kN/m² | m² | On the job | 32,00 |
| | **HDPE-based Geocomposite Drainage and Protection Boards (TS EN 13252)** | | | |
| 10.330.6421 | 150 ≤ Pressure Resistance < 200 kN/m² | m² | On the job | 16,00 |
| 10.330.6422 | 200 ≤ Pressure Resistance < 250 kN/m² | m² | On the job | 21,50 |
| 10.330.6423 | 250 ≤ Pressure Resistance < 350 kN/m² | m² | On the job | 27,00 |
| 10.330.6424 | 350 ≤ Pressure Resistance < 450 kN/m² | m² | On the job | 40,00 |
| 10.330.6425 | 450 ≤ Pressure Resistance < 550 kN/m² | m² | On the job | 46,00 |
| | **SELF-ADHESIVE METAL INSULATION PINS** | | | |
| 10.330.6441 | 4 cm long | Quantity | On the job | 0,49 |
| 10.330.6442 | 6 cm long | Quantity | On the job | 0,61 |
| 10.330.6443 | 10 cm long | Quantity | On the job | 0,67 |
| | **GLASS AND SIMILAR OTHER SUPPLIES** | | | |
| | **1- Colorless Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1001 | 2.2 mm thickness | m² | On the job | 95,00 |
| 10.380.1002 | 3 mm thickness | m² | On the job | 115,00 |
| 10.380.1003 | 4 mm thickness | m² | On the job | 140,00 |
| 10.380.1004 | 5 mm thickness | m² | On the job | 175,00 |
| 10.380.1005 | 6 mm thickness | m² | On the job | 200,00 |
| 10.380.1006 | 8 mm thickness | m² | On the job | 250,00 |
| 10.380.1007 | 10 mm thickness | m² | On the job | 300,00 |
| | **2- Smoke-gray Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1011 | 3 mm thickness | m² | On the job | 145,00 |
| 10.380.1012 | 4 mm thickness | m² | On the job | 230,00 |
| 10.380.1013 | 5 mm thickness | m² | On the job | 280,00 |
| 10.380.1014 | 6 mm thickness | m² | On the job | 320,00 |
| 10.380.1015 | 8 mm thickness | m² | On the job | 400,00 |
| 10.380.1016 | 10 mm thickness | m² | On the job | 480,00 |
| | **3- Bronze-colored Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1021 | 4 mm thickness | m² | On the job | 230,00 |
| 10.380.1022 | 5 mm thickness | m² | On the job | 280,00 |
| 10.380.1023 | 6 mm thickness | m² | On the job | 320,00 |
| 10.380.1024 | 8 mm thickness | m² | On the job | 400,00 |
| 10.380.1025 | 10 mm thickness | m² | On the job | 490,00 |
| | **4- Blue Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1031 | 4 mm thickness | m² | On the job | 250,00 |
| 10.380.1032 | 6 mm thickness | m² | On the job | 340,00 |
| 10.380.1033 | 8 mm thickness | m² | On the job | 420,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **5- Green Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1041 | 3 mm thickness | m² | On the job | 145,00 |
| 10.380.1042 | 4 mm thickness | m² | On the job | 230,00 |
| 10.380.1043 | 5 mm thickness | m² | On the job | 280,00 |
| 10.380.1044 | 6 mm thickness | m² | On the job | 330,00 |
| 10.380.1045 | 8 mm thickness | m² | On the job | 420,00 |
| 10.380.1046 | 10 mm thickness | m² | On the job | 525,00 |
| | **6- Sandblasted Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1051 | 4 mm thickness | m² | On the job | 280,00 |
| 10.380.1052 | 6 mm thickness | m² | On the job | 370,00 |
| 10.380.1053 | 8 mm thickness | m² | On the job | 450,00 |
| | **7- Low-iron Glass Sheets (TS EN 572-2)** | | | |
| 10.380.1061 | 4 mm thickness | m² | On the job | 230,00 |
| 10.380.1062 | 5 mm thickness | m² | On the job | 310,00 |
| 10.380.1063 | 6 mm thickness | m² | On the job | 350,00 |
| 10.380.1064 | 8 mm thickness | m² | On the job | 460,00 |
| 10.380.1065 | 10 mm thickness | m² | On the job | 580,00 |
| 10.380.1066 | 12 mm thickness | m² | On the job | 770,00 |
| | **8- Reflective Solar Control Glasses (TS EN 1096-1, 2, 3, 4)** | | | |
| 10.380.1071 | 4 mm thickness | m² | On the job | 350,00 |
| 10.380.1072 | 6 mm thickness | m² | On the job | 430,00 |
| 10.380.1073 | 8 mm thickness | m² | On the job | 560,00 |
| | **MIRRORS** | | | |
| | **1- Colorless Mirrors (TS EN 1036-1, 2)** | | | |
| 10.380.1201 | 3 mm thickness | m² | On the job | 190,00 |
| 10.380.1202 | 4 mm thickness | m² | On the job | 225,00 |
| 10.380.1203 | 5 mm thickness | m² | On the job | 280,00 |
| 10.380.1204 | 6 mm thickness | m² | On the job | 300,00 |
| | **2- Smoke-gray Mirrors (TS EN 1036-1, 2)** | | | |
| 10.380.1211 | 4 mm thickness | m² | On the job | 280,00 |
| 10.380.1212 | 5 mm thickness | m² | On the job | 320,00 |
| 10.380.1213 | 6 mm thickness | m² | On the job | 350,00 |
| | **3- Bronze-colored Mirrors (TS EN 1036-1, 2)** | | | |
| 10.380.1221 | 4 mm thickness | m² | On the job | 280,00 |
| 10.380.1222 | 5 mm thickness | m² | On the job | 320,00 |
| 10.380.1223 | 6 mm thickness | m² | On the job | 350,00 |
| | **FROSTED GLASSES** | | | |
| | **1- Colorless Frosted Glass Sheets (TS EN 572-5)** | | | |
| 10.380.1301 | 4 mm thickness | m² | On the job | 140,00 |
| | **2- Colored, Frosted Glass Sheets (TS EN 572-5)** | | | |
| 10.380.1311 | 4 mm thickness | m² | On the job | 180,00 |
| | **3- Colorless, Wired, Frosted Glass Sheets (TS EN 572-6)** | | | |
| 10.380.1321 | 6 mm thickness | m² | On the job | 380,00 |
| | **LAMINATED GLASSES** | | | |
| | **1- Colorless, Clear, 0.38-PVB Laminated Glasses (TS EN ISO 12543-1)** | | | |
| 10.380.1401 | 3+3 mm thickness | m² | On the job | 350,00 |
| 10.380.1402 | 4+4 mm thickness | m² | On the job | 400,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.380.1403 | 5+5 mm thickness | m² | On the job | 470,00 |
| 10.380.1404 | 6+6 mm thickness | m² | On the job | 570,00 |
| | **2- Colorless, Clear, 0.76-PVB Laminated Glasses (TS EN ISO 12543-1)** | | | |
| 10.380.1411 | 3+3 mm thickness | m² | On the job | 480,00 |
| 10.380.1412 | 4+4 mm thickness | m² | On the job | 510,00 |
| 10.380.1413 | 5+5 mm thickness | m² | On the job | 590,00 |
| 10.380.1414 | 6+6 mm thickness | m² | On the job | 740,00 |
| 10.380.1415 | 8+8 mm thickness | m² | On the job | 800,00 |
| 10.380.1416 | 10 + 10 mm thickness | m² | On the job | 940,00 |
| | **3- Colorless, Opaque, 0.38-PVB Laminated Glasses (TS EN ISO 12543-1)** | | | |
| 10.380.1421 | 3+3 mm thickness | m² | On the job | 540,00 |
| 10.380.1422 | 4+4 mm thickness | m² | On the job | 510,00 |
| 10.380.1423 | 5+5 mm thickness | m² | On the job | 630,00 |
| 10.380.1424 | 6+6 mm thickness | m² | On the job | 740,00 |
| | **4- Colorless, Opaque, 0.76-PVB Laminated Glasses (TS EN ISO 12543-1)** | | | |
| 10.380.1431 | 3+3 mm thickness | m² | On the job | 840,00 |
| 10.380.1432 | 4+4 mm thickness | m² | On the job | 780,00 |
| 10.380.1433 | 5+5 mm thickness | m² | On the job | 900,00 |
| 10.380.1434 | 6+6 mm thickness | m² | On the job | 1.010,00 |
| | **5- Colorless, Clear, Acoustic, 0.76-PVB, Laminated Glasses (TS EN ISO 12543-1)** | | | |
| 10.380.1441 | 3+3 mm thickness | m² | On the job | 700,00 |
| 10.380.1442 | 4+4 mm thickness | m² | On the job | 800,00 |
| 10.380.1443 | 5+5 mm thickness | m² | On the job | 910,00 |
| 10.380.1444 | 6+6 mm thickness | m² | On the job | 1.030,00 |
| | **6- Colorless, Clear, 0.38-PVB Low-iron, Laminated Glasses (TS EN ISO 12543-1)** | | | |
| 10.380.1451 | 4+4 mm thickness | m² | On the job | 470,00 |
| | **INSULATION GLASSES (TS EN 1279-1, TS EN 1279-2, TS EN 1279-3, TS EN 1279-4, TS EN 1279-6) (Air (Dry) Filled)**<br><br>**Note: If insulation glasses are filled with argon gas, the unit price shall be added TRY 5 for 9-mm spacing, TRY 6 for 12-mm spacing, and TRY 7 for 16-mm spacing.** | | | |
| | **9-mm spacing, molded** | | | |
| 10.380.1501 | 3+3 mm thickness | m² | On the job | 360,00 |
| 10.380.1502 | 4+4 mm thickness | m² | On the job | 375,00 |
| 10.380.1503 | 5+5 mm thickness | m² | On the job | 440,00 |
| 10.380.1504 | 6+6 mm thickness | m² | On the job | 480,00 |
| | **12-mm spacing, molded** | | | |
| 10.380.1511 | 3+3 mm thickness | m² | On the job | 375,00 |
| 10.380.1512 | 4+4 mm thickness | m² | On the job | 390,00 |
| 10.380.1513 | 5+5 mm thickness | m² | On the job | 465,00 |
| 10.380.1514 | 6+6 mm thickness | m² | On the job | 500,00 |
| | **16-mm spacing, molded** | | | |
| 10.380.1521 | 3+3 mm thickness | m² | On the job | 380,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.380.1522 | 4+4 mm thickness | m² | On the job | 395,00 |
| 10.380.1523 | 5+5 mm thickness | m² | On the job | 470,00 |
| 10.380.1524 | 6+6 mm thickness | m² | On the job | 510,00 |
| | **9-mm spacing, molded (the first glass coated with thermal control layer)** | | | |
| 10.380.1531 | 4+4 mm thickness | m² | On the job | 425,00 |
| 10.380.1532 | 4+5 mm thickness | m² | On the job | 465,00 |
| 10.380.1533 | 4+6 mm thickness | m² | On the job | 485,00 |
| 10.380.1534 | 6+6 mm thickness | m² | On the job | 545,00 |
| 10.380.1535 | 6+4 mm thickness | m² | On the job | 515,00 |
| | **12-mm spacing, molded (the first glass coated with thermal control layer)** | | | |
| 10.380.1541 | 4+4 mm thickness | m² | On the job | 435,00 |
| 10.380.1542 | 4+5 mm thickness | m² | On the job | 470,00 |
| 10.380.1543 | 4+6 mm thickness | m² | On the job | 495,00 |
| 10.380.1544 | 6+6 mm thickness | m² | On the job | 555,00 |
| 10.380.1545 | 6+4 mm thickness | m² | On the job | 525,00 |
| | **16-mm spacing, molded (the first glass coated with thermal control layer)** | | | |
| 10.380.1551 | 4+4 mm thickness | m² | On the job | 440,00 |
| 10.380.1552 | 4+5 mm thickness | m² | On the job | 480,00 |
| 10.380.1553 | 4+6 mm thickness | m² | On the job | 510,00 |
| 10.380.1554 | 6+6 mm thickness | m² | On the job | 570,00 |
| 10.380.1555 | 6+4 mm thickness | m² | On the job | 540,00 |
| | **9-mm spacing, molded (first glass coated with solar and thermal control layer)** | | | |
| 10.380.1561 | 4+4 mm thickness | m² | On the job | 470,00 |
| 10.380.1562 | 4+5 mm thickness | m² | On the job | 510,00 |
| 10.380.1563 | 4+6 mm thickness | m² | On the job | 530,00 |
| 10.380.1564 | 6+4 mm thickness | m² | On the job | 540,00 |
| 10.380.1565 | 6+5 mm thickness | m² | On the job | 570,00 |
| 10.380.1566 | 6+6 mm thickness | m² | On the job | 600,00 |
| | **12-mm spacing, molded (first glass coated with solar and thermal control layer)** | | | |
| 10.380.1571 | 4+4 mm thickness | m² | On the job | 480,00 |
| 10.380.1572 | 4+5 mm thickness | m² | On the job | 515,00 |
| 10.380.1573 | 4+6 mm thickness | m² | On the job | 540,00 |
| 10.380.1574 | 6+4 mm thickness | m² | On the job | 545,00 |
| 10.380.1575 | 6+5 mm thickness | m² | On the job | 585,00 |
| 10.380.1576 | 6+6 mm thickness | m² | On the job | 615,00 |
| | **16-mm spacing, molded (first glass coated with solar and thermal control layer)** | | | |
| 10.380.1581 | 4+4 mm thickness | m² | On the job | 485,00 |
| 10.380.1582 | 4+5 mm thickness | m² | On the job | 525,00 |
| 10.380.1583 | 4+6 mm thickness | m² | On the job | 545,00 |
| 10.380.1584 | 6+4 mm thickness | m² | On the job | 555,00 |
| 10.380.1585 | 6+5 mm thickness | m² | On the job | 590,00 |
| 10.380.1586 | 6+6 mm thickness | m² | On the job | 620,00 |
| | **12-mm spacing, molded (the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be a plain glass)** | | | |
| 10.380.1591 | 6+4 mm thickness | m² | On the job | 735,00 |
| 10.380.1592 | 6+5 mm thickness | m² | On the job | 770,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.380.1593 | 6+6 mm thickness | m² | On the job | 810,00 |
| | **16-mm spacing, molded**<br>**(the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be a plain glass)** | | | |
| 10.380.1601 | 6+4 mm thickness | m² | On the job | 750,00 |
| 10.380.1602 | 6+5 mm thickness | m² | On the job | 780,00 |
| 10.380.1603 | 6+6 mm thickness | m² | On the job | 820,00 |
| 10.380.1604 | 8+8 mm thickness | m² | On the job | 900,00 |
| 10.380.1605 | 8+6 mm thickness | m² | On the job | 850,00 |
| | **12-mm spacing, molded**<br>**(the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be coated with a thermal control layer)** | | | |
| 10.380.1611 | 6+4 mm thickness | m² | On the job | 765,00 |
| 10.380.1612 | 6+5 mm thickness | m² | On the job | 810,00 |
| 10.380.1613 | 6+6 mm thickness | m² | On the job | 815,00 |
| | **16-mm spacing, molded**<br>**(the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be coated with a thermal control layer)** | | | |
| 10.380.1621 | 6+4 mm thickness | m² | On the job | 780,00 |
| 10.380.1622 | 6+5 mm thickness | m² | On the job | 810,00 |
| 10.380.1623 | 6+6 mm thickness | m² | On the job | 850,00 |
| 10.380.1624 | 8+8 mm thickness | m² | On the job | 1.090,00 |
| 10.380.1625 | 8+6 mm thickness | m² | On the job | 1.020,00 |
| | **12-mm spacing, molded**<br>**(The outer glass shall be coated with tempered, neutral, thermal and solar control layers, and the inner glass shall be a plain glass)** | | | |
| 10.380.1631 | 6+6 mm thickness | m² | On the job | 760,00 |
| 10.380.1632 | 8+6 mm thickness | m² | On the job | 870,00 |
| 10.380.1633 | 8+8 mm thickness | m² | On the job | 940,00 |
| | **16-mm spacing, molded**<br>**(The outer glass shall be coated with tempered, neutral, thermal and solar control layers, and the inner glass shall be a plain glass)** | | | |
| 10.380.1641 | 6+6 mm thickness | m² | On the job | 780,00 |
| 10.380.1642 | 8+6 mm thickness | m² | On the job | 880,00 |
| 10.380.1643 | 8+8 mm thickness | m² | On the job | 960,00 |
| | **12+12-mm spacing, molded**<br>**(Three-layer insulation glass with the first layer coated with thermal and solar control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)** | | | |
| 10.380.1651 | 4+4+4 mm thickness | m² | On the job | 790,00 |
| | **16+16-mm spacing, molded**<br>**(Three-layer insulation glass with the first layer coated with thermal and solar control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)** | | | |
| 10.380.1661 | 4+4+4 mm thickness | m² | On the job | 780,00 |
| | **12+12-mm spacing, molded**<br>**(Three-layer insulation glass with the first layer coated with thermal control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)** | | | |
| 10.380.1671 | 4+4+4 mm thickness | m² | On the job | 780,00 |
| | **16+16-mm spacing, molded**<br>**(Three-layer insulation glass with the first layer coated with thermal control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)** | | | |
| 10.380.1681 | 4+4+4 mm thickness | m² | On the job | 810,00 |
| | **12-mm spacing, molded**<br>**(The outer glass shall be a tempered, colored solar control glass, and the inner glass shall be a plain glass with a thermal control layer)** | | | |
| 10.380.1691 | 6 (blue) mm + 6 mm thickness | m² | On the job | 750,00 |
| 10.380.1692 | 6 (green) mm + 6 mm thickness | m² | On the job | 735,00 |
| 10.380.1693 | 6 (smoke gray) mm + 6 mm thickness | m² | On the job | 725,00 |
| 10.380.1694 | 6 (bronze color) mm + 6 mm thickness | m² | On the job | 720,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **16-mm spacing, molded (The outer glass shall be a tempered, colored solar control glass, and the inner glass shall be a plain glass with a thermal control layer)** | | | |
| 10.380.1701 | 6 (blue) mm + 6 mm thickness | m² | On the job | 765,00 |
| 10.380.1702 | 6 (green) mm + 6 mm thickness | m² | On the job | 740,00 |
| 10.380.1703 | 6 (smoke gray) mm + 6 mm thickness | m² | On the job | 735,00 |
| 10.380.1704 | 6 (bronze color) mm + 6 mm thickness | m² | On the job | 725,00 |
| | **12-mm spacing, molded (The first glass coated with a thermal control layer, and the internal glass a colorless, laminated layer)** | | | |
| 10.380.1711 | 4 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 660,00 |
| 10.380.1712 | 6 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 720,00 |
| 10.380.1713 | 4 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 725,00 |
| 10.380.1714 | 6 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 790,00 |
| | **16-mm spacing, molded (The first glass coated with a thermal control layer, and the internal glass a colorless, laminated layer)** | | | |
| 10.380.1721 | 4 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 675,00 |
| 10.380.1722 | 6 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 735,00 |
| 10.380.1723 | 4 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 750,00 |
| 10.380.1724 | 6 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 810,00 |
| | **12-mm spacing, molded (The first glass coated with a thermal and solar control layer, and the internal glass a colorless, laminated layer)** | | | |
| 10.380.1731 | 4 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 720,00 |
| 10.380.1732 | 6 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 780,00 |
| 10.380.1733 | 4 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 790,00 |
| 10.380.1734 | 6 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 850,00 |
| | **16-mm spacing, molded (The first glass coated with a thermal and solar control layer, and the internal glass a colorless, laminated layer)** | | | |
| 10.380.1741 | 4 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 730,00 |
| 10.380.1742 | 6 + (4+4 - 0.38 PVB, laminated) | m² | On the job | 790,00 |
| 10.380.1743 | 4 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 810,00 |
| 10.380.1744 | 6 + (5+5 - 0.38 PVB, laminated) | m² | On the job | 870,00 |
| | **12-mm spacing, molded (The outer glass shall be coated with tempered, neutral, thermal control layer, and the inner glass shall be plain glass)** | | | |
| 10.380.1751 | 4+4 mm thickness | m² | On the job | 600,00 |
| 10.380.1752 | 6+6 mm thickness | m² | On the job | 725,00 |
| 10.380.1753 | 8+8 mm thickness | m² | On the job | 870,00 |
| 10.380.1754 | 8+6 mm thickness | m² | On the job | 825,00 |
| | **16-mm spacing, molded (The outer glass shall be coated with tempered, neutral, thermal control layer, and the inner glass shall be plain glass)** | | | |
| 10.380.1761 | 4+4 mm thickness | m² | On the job | 615,00 |
| 10.380.1762 | 6+6 mm thickness | m² | On the job | 735,00 |
| 10.380.1763 | 8+8 mm thickness | m² | On the job | 885,00 |
| 10.380.1764 | 8+6 mm thickness | m² | On the job | 840,00 |
| | **Tempered Glasses (TS EN 14321-1, 2)** | | | |
| 10.380.2001 | 6 mm thickness | m² | On the job | 285,00 |
| 10.380.2002 | 8 mm thickness | m² | On the job | 330,00 |
| 10.380.2003 | 10 mm thickness | m² | On the job | 420,00 |
| | **Installation materials for glass, etc.** | | | |
| 10.380.9981 | Glazing wedge | Qty | On the job | 1,00 |
| 10.380.9982 | Silicon (310 ml) | Qty | On the job | 80,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.380.9983 | Silicon (310 ml) (Acid-free - Neutral Silicon) | Qty | On the job | 150,00 |
| | **PVC JOINERY AND METALLIC ACCESSORIES OF DOOR - WINDOW JOINERY** | | | |
| | **PLASTIC JOINERY PROFILES (TS EN 12608-1)** | | | |
| 10.400.1001 | Metal-reinforced hard PVC joinery profiles | Kg | On the job | 8,20 |
| 10.400.1002 | Aluminum-reinforced hard PVC joinery profiles | Kg | On the job | 48,00 |
| 10.400.1003 | PVC joinery profiles reinforced with composite reinforcement profiles | Kg | On the job | 23,00 |
| 10.400.1004 | Hard PVC joinery profiles reinforced with polymer-based reinforcement component (PRP) | Kg | On the job | 26,50 |
| 10.400.1005 | Non-metal-reinforced hard PVC joinery profiles | Kg | On the job | 8,20 |
| 10.400.1006 | Any kind of hard PVC plastic panel | Kg | On the job | 6,80 |
| 10.400.1021 | EPDM rubber, neoprene or TPE insulation and glass seals and gaskets used for plastic and aluminum joinery | Kg | On the job | 17,50 |
| 10.400.1022 | Installation dowel pin for plastic and aluminum joinery | Qty | On the job | 1,70 |
| | **PVC SUSPENSION RAW MATERIAL** | | | |
| 10.400.1101 | PVC suspension raw material | Kg | On the job | 30,60 |
| | **METAL JOINERY HARDWARE** | | | |
| | **Metal joinery hardware for doors (Wood, Metal and Plastic)** | | | |
| 10.400.2001 | Mortise lock for interior door (Wide type) (TS EN 12209) | Qty | On the job | 36,00 |
| 10.400.2002 | Mortise lock for interior door (Narrow type) (TS EN 12209) | Qty | On the job | 36,00 |
| 10.400.2003 | Mortise roller lock for interior door (Wide and narrow types) (TS EN 12209) | Qty | On the job | 58,00 |
| 10.400.2004 | Mortise cylinder lock for interior and exterior doors (Wide and narrow types) (TS EN 12209) | Qty | On the job | 95,00 |
| 10.400.2005 | Mortise roller lock for interior and exterior doors (Wide type) (TS EN 12209) | Qty | On the job | 95,00 |
| 10.400.2006 | Mortise roller lock for interior and exterior doors (Narrow type) (TS EN 12209) | Qty | On the job | 95,00 |
| 10.400.2007 | Outer door lock with rim lock (TS EN 12209) | Qty | On the job | 106,00 |
| 10.400.2008 | Door handle and glass panels (Chromated) (TS EN 12209) | Qty | On the job | 37,00 |
| 10.400.2009 | Rubber seal plug | Qty | On the job | 6,40 |
| 10.400.2010 | Hinge | Qty | On the job | 6,20 |
| 10.400.2011 | Spring-loaded hinge | Qty | On the job | 59,00 |
| 10.400.2012 | Door latch (Vertical fixing tools) | Qty | On the job | 8,00 |
| 10.400.2013 | Stop (Nickel-plated) | Qty | On the job | 29,00 |
| | **Metallic accessories for window joinery (Wood, Metal and Plastic)** | | | |
| 10.400.2101 | Window bar hardware (Handle lever and other components) | Qty | On the job | 32,00 |
| 10.400.2102 | Transom window hardware (Simple folding mechanism) | Qty | On the job | 9,00 |
| 10.400.2103 | Transom window hardware (Steel folding mechanism, chrome-plated lever and handle) | Qty | On the job | 25,00 |
| 10.400.2104 | Latch (window bar lever and cam) yellow brass screw with insert nut | Qty | On the job | 20,50 |
| 10.400.2105 | Bolt | Qty | On the job | 6,80 |
| 10.400.2106 | Rubber seal plug | Qty | On the job | 7,50 |
| 10.400.2107 | Latch with locking spring | Qty | On the job | 9,60 |
| 10.400.2108 | Counterweight set (Cast knitting wire, complete together with yellow pulley wire sockets) | Kg | On the job | 9,60 |
| 10.400.2109 | Sliding window handle | Qty | On the job | 29,00 |
| | **Clutch window bar hardware (Including lever) (for wood)** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.400.2121 | With two 80-cm clutches (for wood) | Qty | On the job | 29,00 |
| 10.400.2122 | With three 100-cm clutches (for wood) | Qty | On the job | 34,00 |
| 10.400.2123 | With three 120-cm clutches (for wood) | Qty | On the job | 40,00 |
| 10.400.2124 | With three 140-cm clutches (for wood) | Qty | On the job | 40,00 |
| 10.400.2125 | With three 160-cm clutches (for wood) | Qty | On the job | 44,00 |
| 10.400.2126 | With four 180-cm clutches (for wood) | Qty | On the job | 47,00 |
| 10.400.2127 | Hinge | Qty | On the job | 7,50 |
| 10.400.2128 | Continuous hinge | m | On the job | 11,50 |
| 10.400.2129 | Adjustable hinge (Double) Plastic-coated | Qty | On the job | 29,00 |
| | **Metallic accessories for window joinery (Wood, Metal and Plastic) (Subject to written approval of the administration.)** | | | |
| 10.400.2141 | Window bar hardware (including handle) Two-clutch, up to 100 cm | Qty | On the job | 102,00 |
| 10.400.2142 | Window bar hardware (including handle) Three-clutch, up to 180 cm | Qty | On the job | 126,00 |
| 10.400.2143 | Window bar hardware (including handle) Four-clutch, larger than 180 cm | Qty | On the job | 126,00 |
| 10.400.2144 | Transom window bar hardware (Including lever and folding mechanism) | Qty | On the job | 102,00 |
| | **Door handle hardware (TS EN 1906, TS EN 12051)** | | | |
| 10.400.2161 | Door handle hardware with static paint (with 360 g weight, 40 mm x 220 mm (width x length) panel part, and 1.20 mm wall thickness) | Set | On the job | 19,00 |
| | **Brass door handle hardware (yellow brass with copper alloy)** | | | |
| 10.400.2181 | The handle part shall be min. 475 g. | Set | On the job | 61,00 |
| 10.400.2182 | The handle part shall be min. 750 g. | Set | On the job | 82,00 |
| 10.400.2183 | The handle part shall be min. 900 g. | Set | On the job | 126,00 |
| | Note: 1- Electrolytic coating with satin, albirifin, smoke gray, chrome shall be charged extra TRY 6.00.<br>2- Two-color satin albirifin coating shall be charged extra 8.50 TRY. | | | |
| | **H- OTHER SUPPLIES** | | | |
| | **WIRE, NAILS, SCREWS, ETC.** | | | |
| 10.420.1001 | Equipment attaching wire | Kg | On the job | 10,40 |
| 10.420.1002 | Poultry netting (Galvanized) | m² | On the job | 11,20 |
| 10.420.1003 | Fly screen wire (Galvanized) | m² | On the job | 17,00 |
| 10.420.1004 | Fly screen wire (Plastic) | m² | On the job | 16,10 |
| 10.420.1005 | Expanded metal | m² | On the job | 12,60 |
| 10.420.1006 | Nails (TS 155) | Kg | On the job | 7,80 |
| 10.420.1007 | Galvanized nails (TS 155) | Kg | On the job | 19,20 |
| 10.420.1008 | Large-head galvanized nails (TS 155) (Shingle nail) | Kg | On the job | 19,20 |
| 10.420.1009 | Staple (TS 155) | Kg | On the job | 16,60 |
| 10.420.1010 | Wood screws (Small, 144 pcs.) (TS 431) | Box | On the job | 23,00 |
| 10.420.1011 | Wood screws (Big, 144 pcs.) (TS 431) | Box | On the job | 26,00 |
| 10.420.1012 | Screws and plastic dowel pins | Qty | On the job | 0,53 |
| 10.420.1013 | A box in each size (1000 x drywall screws) (made of carbon steel, coated with black phosphate, pointed) | Box | On the job | 58,50 |
| 10.420.1014 | A box in each size (1000 x self-drilling screw) (made of carbon steel, coated with black phosphate, self-drilling) | Box | On the job | 87,00 |
| 10.420.1015 | A box in each size (1000 x drywall screws) (made of carbon steel, coated with black phosphate, pointed) (Corrosion-resistant) | Box | On the job | 93,00 |
| 10.420.1016 | A box in each size (1000 x self-drilling screw) (made of carbon steel, coated with black phosphate, self-drilling) (Corrosion-resistant) | Box | On the job | 133,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **BOLTS, PINS, ETC.** | | | |
| 10.420.1051 | Bulldog blind bolts | Kg | On the job | 7,55 |
| 10.420.1052 | Bolts | Kg | On the job | 9,10 |
| 10.420.1053 | Bolts (Galvanized) | Kg | On the job | 12,50 |
| 10.420.1054 | Shelf pins with socket | Qty | On the job | 0,67 |
| | **SOLDER AND WIRE NAIL** | | | |
| 10.420.1101 | Solder (TS EN ISO 9453) | Kg | On the job | 146,00 |
| 10.420.1102 | Wire nail | Kg | On the job | 9,50 |
| | **BRASS, SCREWS, WASHERS, ETC.** | | | |
| 10.420.1151 | Brass wood screws (TS 431) (Small) | Qty | On the job | 0,16 |
| 10.420.1152 | Brass wood screws (TS 431) (Large) | Qty | On the job | 0,18 |
| 10.420.1153 | Nails with a special head for quilting | Qty | On the job | 0,30 |
| 10.420.1154 | Metal washer | Qty | On the job | 0,26 |
| | **GLUES** | | | |
| 10.420.1301 | Bone glue (Hot) (TS EN ISO 9665) | Kg | On the job | 14,50 |
| 10.420.1302 | Synthetic glue (TS EN 12765) | Kg | On the job | 11,50 |
| 10.420.1303 | Wallpaper paste | Kg | On the job | 23,40 |
| 10.420.1304 | Special adhesive for wood flooring | Kg | On the job | 11,50 |
| 10.420.1305 | Silicon-based 800 series putty | Kg | On the job | 52,00 |
| | **RAINWATER PIPES, GUTTERS, ETC.** | | | |
| 10.420.1401 | Ø70 mm hard PVC pipe with a bellmouth at one end (rainwater pipe) (TS EN 1329-1+A1, TSE CEN/TS 1329-2) | m | On the job | 21,50 |
| 10.420.1402 | Ø100 mm PVC pipe with a bellmouth at one end (rainwater pipe) (TS EN 1329-1+A1, TSE CEN/TS 1329-2) | m | On the job | 37,00 |
| 10.420.1403 | Ø125 mm PVC pipe with a bellmouth at one end (rainwater pipe) (TS EN 1329-1+A1, TSE CEN/TS 1329-2) | m | On the job | 43,00 |
| 10.420.1404 | Hard PVC roofing strip (skirting) | m | On the job | 16,30 |
| 10.420.1405 | Hard PVC rain gutter (Ø100 mm) | m | On the job | 15,90 |
| 10.420.1406 | Hard PVC rain gutter (Ø150 mm) | m | On the job | 27,60 |
| | **KRAFT HONEYCOMB DOOR CORES** | | | |
| 10.420.1501 | 32 mm thickness | Qty | On the job | 7,25 |
| 10.420.1502 | 35 mm thickness | Qty | On the job | 8,05 |
| 10.420.1503 | 36 mm thickness | Qty | On the job | 8,15 |
| 10.420.1504 | 37 mm thickness | Qty | On the job | 8,25 |
| 10.420.1505 | 38 mm thickness | Qty | On the job | 8,65 |
| 10.420.1506 | 39 mm thickness | Qty | On the job | 8,85 |
| | **OTHER HARDWARE, ETC.** | | | |
| 10.420.1511 | Straw | Kg | On the job | 2,00 |
| 10.420.1512 | Mosaic polishing stone (Solid brick) | Qty | On the job | 24,90 |
| 10.420.1513 | PVC felt (1 mm) | m² | On the job | 8,20 |
| 10.420.1514 | Wadding | Kg | On the job | 0,89 |
| 10.420.1515 | High-quality artificial leather | m² | On the job | 11,10 |
| 10.420.1516 | Strip cord | m | On the job | 1,78 |
| 10.420.1517 | Rubber seal | Qty | On the job | 0,56 |
| | **IMPREGNATION AGENTS** | | | |
| 10.420.1701 | Copper triazole-type, water soluble (TS EN 599-1+A1, TS EN 599-2) | Kg | On the job | 42,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.420.1702 | ACQ-type, water soluble<br>(TS EN 599-1+A1, TS EN 599-2) | Kg | On the job | 42,00 |
| 10.420.1703 | Triazole-type, water soluble<br>(TS EN 599-1+A1, TS EN 599-2) | Kg | On the job | 15,10 |
| | **BRIDGE EXPANSION JOINTS WITH STEEL PROFILE AND RUBBER SEAL<br>(As per the relevant specifications)** | | | |
| | **Watertight type made of special steel profile anchored to the structure** | | | |
| 10.420.1751 | 0 to 80 mm in longitudinal axis, with movable, rolled or extruded profile | m | On the job | 2.300,00 |
| 10.420.1752 | 0 to 160 mm in longitudinal axis, with movable, rolled or extruded profile | m | On the job | 8.400,00 |
| 10.420.1753 | 0 to 240 mm in longitudinal axis, with movable, rolled or extruded profile | m | On the job | 11.100,00 |
| 10.420.1754 | 0 to 320 mm in longitudinal axis, with movable, rolled or extruded profile | m | On the job | 15.800,00 |
| 10.420.1755 | 0 to 400 mm in longitudinal axis, with movable, rolled or extruded profile | m | On the job | 31.600,00 |
| 10.420.1771 | Bitumen-based bridge expansion joints<br>0-70-mm elastomeric, modified, bitumen-based, plug-type | m | On the job | 2.750,00 |
| | **ROAD MARKING AGENTS (TS EN 1871)** | | | |
| 10.420.1781 | Reflective glass globules<br>(Used for road marking, and reflecting the lights emitted by a light source if the back side is screened appropriately) | Kg | On the job | 12,15 |
| 10.420.1782 | Reflective buttons for road marking | Qty | On the job | 31,00 |
| 10.420.1783 | Fiberglass-reinforced (CTP) Polyester, traffic delineator | Qty | On the job | 21,30 |
| | **ANCHORING CONE TOOLS** | | | |
| 10.420.1801 | Anchoring cone tools (Ø12 x 7) | Qty | On the job | 65,00 |
| 10.420.1802 | Anchoring cone tools (Ø12 x 8) | Qty | On the job | 71,00 |
| | **COAL, FLY ASH, CREOSOTE, etc.** | | | |
| 10.420.1851 | Anthracite | Kg | On the job | 0,89 |
| 10.420.1852 | Light aggregate (Sieved clinker) | $m^3$ | On the job | 2,08 |
| 10.420.1853 | Fly ash (TS EN 450-1, 2) | Tons | On the job | 50,00 |
| 10.420.1854 | Creosote (TS 4329 EN 13991) | Kg | On the job | 3,43 |
| 10.420.1855 | Hot-applied coal-tar pitch | Kg | On the job | 2,24 |
| | **INFRASTRUCTURE PIPES AND MATERIALS** | | | |
| | **DRAINAGE PIPES<br>(Market prices of other diameters will be interpolated)** | | | |
| | **Tunnel-type drainage pipes (PVC-based)** | | | |
| 10.450.1001 | Ø100 mm nominal diameter | m | Factory | 21,00 |
| 10.450.1002 | Ø150 mm nominal diameter | m | Factory | 34,00 |
| 10.450.1003 | Ø200 mm nominal diameter | m | Factory | 43,00 |
| 10.450.1004 | Ø315 mm nominal diameter | m | Factory | 77,00 |
| 10.450.1005 | Ø355 mm nominal diameter | m | Factory | 86,00 |
| 10.450.1050 | Dedicated parts for each diameter size | Kg | Factory | 24,00 |
| | **Corrugated drainage pipes (PVC-based) (TS 9128)** | | | |
| 10.450.1051 | Ø50 mm nominal diameter | m | Factory | 2,70 |
| 10.450.1052 | Ø65 mm nominal diameter | m | Factory | 3,50 |
| 10.450.1053 | Ø80 mm nominal diameter | m | Factory | 7,10 |
| 10.450.1054 | Ø100 mm nominal diameter | m | Factory | 9,70 |
| 10.450.1055 | Ø125 mm nominal diameter | m | Factory | 16,50 |
| 10.450.1056 | Ø160 mm nominal diameter | m | Factory | 25,80 |
| 10.450.1057 | Ø200 mm nominal diameter | m | Factory | 36,00 |
| 10.450.1100 | Dedicated parts for each diameter size | Kg | Factory | 22,80 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Corrugated drainage pipes**<br><br>**High-density polyethylene (HDPE) and Polypropylene (PP)-based (TS EN 13476-1) (SN 8)** | | | |
| 10.450.1101 | Ø150 mm nominal diameter | m | Factory | 24,80 |
| 10.450.1102 | Ø200 mm nominal diameter | m | Factory | 40,60 |
| 10.450.1103 | Ø250 mm nominal diameter | m | Factory | 73,00 |
| 10.450.1104 | Ø300 mm nominal diameter | m | Factory | 81,00 |
| 10.450.1105 | Ø400 mm nominal diameter | m | Factory | 137,00 |
| 10.450.1106 | Ø500 mm nominal diameter | m | Factory | 214,00 |
| 10.450.1107 | Ø600 mm nominal diameter | m | Factory | 328,00 |
| 10.450.1150 | Dedicated parts for each diameter size | Kg | Factory | 19,20 |
| | **Corrugated drainage pipes**<br><br>**High-density polyethylene (HDPE) and Polypropylene (PP)-based (TS EN 13476-1) (SN 4)** | | | |
| 10.450.1151 | Ø150 mm nominal diameter | m | Factory | 22,00 |
| 10.450.1152 | Ø200 mm nominal diameter | m | Factory | 36,00 |
| 10.450.1153 | Ø250 mm nominal diameter | m | Factory | 55,00 |
| 10.450.1154 | Ø300 mm nominal diameter | m | Factory | 80,00 |
| 10.450.1155 | Ø400 mm nominal diameter | m | Factory | 113,00 |
| 10.450.1156 | Ø500 mm nominal diameter | m | Factory | 184,00 |
| 10.450.1157 | Ø600 mm nominal diameter | m | Factory | 249,00 |
| 10.450.1200 | Dedicated parts for each diameter size | Kg | Factory | 20,00 |
| | **CORRUGATED SEWAGE PIPES** | | | |
| | **Corrugated sewage pipes**<br><br>**High-density polyethylene (HDPE) and Polypropylene (PP)-based (TS EN 13476-1) (SN 8) (Market prices of other diameters will be interpolated)** | | | |
| 10.450.1201 | Ø100 mm nominal diameter | m | Factory | 10,40 |
| 10.450.1202 | Ø125 mm nominal diameter | m | Factory | 12,90 |
| 10.450.1203 | Ø150 mm nominal diameter | m | Factory | 16,90 |
| 10.450.1204 | Ø200 mm nominal diameter | m | Factory | 27,40 |
| 10.450.1205 | Ø250 mm nominal diameter | m | Factory | 50,00 |
| 10.450.1206 | Ø300 mm nominal diameter | m | Factory | 67,00 |
| 10.450.1207 | Ø400 mm nominal diameter | m | Factory | 109,00 |
| 10.450.1208 | Ø500 mm nominal diameter | m | Factory | 174,00 |
| 10.450.1209 | Ø600 mm nominal diameter | m | Factory | 254,00 |
| 10.450.1210 | Ø800 mm nominal diameter | m | Factory | 426,00 |
| 10.450.1211 | Ø1,000 mm nominal diameter | m | Factory | 685,00 |
| 10.450.1250 | Dedicated parts for each diameter size | Kg | Factory | 20,90 |
| | **Corrugated Sewage Pipes**<br><br>**High-density polyethylene (HDPE) and Polypropylene (PP)-based (TS EN 13476-1) (SN 4) (Market prices of other diameters will be interpolated)** | | | |
| 10.450.1251 | Ø100 mm nominal diameter | m | Factory | 8,80 |
| 10.450.1252 | Ø125 mm nominal diameter | m | Factory | 12,00 |
| 10.450.1253 | Ø150 mm nominal diameter | m | Factory | 15,00 |
| 10.450.1254 | Ø200 mm nominal diameter | m | Factory | 24,00 |
| 10.450.1255 | Ø250 mm nominal diameter | m | Factory | 41,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.1256 | Ø300 mm nominal diameter | m | Factory | 51,00 |
| 10.450.1257 | Ø400 mm nominal diameter | m | Factory | 85,00 |
| 10.450.1258 | Ø500 mm nominal diameter | m | Factory | 148,00 |
| 10.450.1259 | Ø600 mm nominal diameter | m | Factory | 222,00 |
| 10.450.1260 | Ø800 mm nominal diameter | m | Factory | 329,00 |
| 10.450.1261 | Ø1,000 mm nominal diameter | m | Factory | 565,00 |
| 10.450.1300 | Dedicated parts for each diameter size | Kg | Factory | 20,10 |
| | **POTABLE AND UTILITY WATER PIPES MADE OF PE 100 POLYETHYLENE (TS EN 12201-2+A1)**<br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Resistance to 4 ATM of pressure** | | | |
| 10.450.1501 | Ø 315 mm nominal diameter | m | Factory | 155,00 |
| 10.450.1502 | Ø 400 mm nominal diameter | m | Factory | 250,00 |
| 10.450.1503 | Ø 500 mm nominal diameter | m | Factory | 380,00 |
| 10.450.1504 | Ø 630 mm nominal diameter | m | Factory | 620,00 |
| 10.450.1505 | Ø 800 mm nominal diameter | m | Factory | 1.000,00 |
| 10.450.1506 | Ø1,000 mm nominal diameter | m | Factory | 1.590,00 |
| | **Resistance to 5 ATM of pressure** | | | |
| 10.450.1511 | Ø 315 mm nominal diameter | m | Factory | 190,00 |
| 10.450.1512 | Ø 400 mm nominal diameter | m | Factory | 310,00 |
| 10.450.1513 | Ø 500 mm nominal diameter | m | Factory | 470,00 |
| 10.450.1514 | Ø 630 mm nominal diameter | m | Factory | 770,00 |
| 10.450.1515 | Ø 800 mm nominal diameter | m | Factory | 1.260,00 |
| 10.450.1516 | Ø1,000 mm nominal diameter | m | Factory | 1.930,00 |
| | **Resistance to 6 ATM of pressure** | | | |
| 10.450.1521 | Ø 50 mm nominal diameter | m | Factory | 6,30 |
| 10.450.1522 | Ø 75 mm nominal diameter | m | Factory | 13,80 |
| 10.450.1523 | Ø 110 mm nominal diameter | m | Factory | 28,90 |
| 10.450.1524 | Ø 160 mm nominal diameter | m | Factory | 58,00 |
| 10.450.1525 | Ø 200 mm nominal diameter | m | Factory | 90,00 |
| 10.450.1526 | Ø 250 mm nominal diameter | m | Factory | 142,00 |
| 10.450.1527 | Ø 315 mm nominal diameter | m | Factory | 232,00 |
| 10.450.1528 | Ø 400 mm nominal diameter | m | Factory | 375,00 |
| 10.450.1529 | Ø 500 mm nominal diameter | m | Factory | 580,00 |
| 10.450.1530 | Ø 710 mm nominal diameter | m | Factory | 1.150,00 |
| 10.450.1531 | Ø 800 mm nominal diameter | m | Factory | 1.470,00 |
| 10.450.1532 | Ø 1,000 mm nominal diameter | m | Factory | 2.310,00 |
| | **Resistance to 8 ATM of pressure** | | | |
| 10.450.1541 | Ø 40 mm nominal diameter | m | Factory | 5,40 |
| 10.450.1542 | Ø63 mm nominal diameter | m | Factory | 12,50 |
| 10.450.1543 | Ø90 mm nominal diameter | m | Factory | 25,00 |
| 10.450.1544 | Ø 125 mm nominal diameter | m | Factory | 47,00 |
| 10.450.1545 | Ø 160 mm nominal diameter | m | Factory | 76,00 |
| 10.450.1546 | Ø 200 mm nominal diameter | m | Factory | 120,00 |
| 10.450.1547 | Ø 250 mm nominal diameter | m | Factory | 187,00 |
| 10.450.1548 | Ø 315 mm nominal diameter | m | Factory | 297,00 |
| 10.450.1549 | Ø 400 mm nominal diameter | m | Factory | 484,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.1550 | Ø 500 mm nominal diameter | m | Factory | 762,00 |
| 10.450.1551 | Ø 630 mm nominal diameter | m | Factory | 1.200,00 |
| 10.450.1552 | Ø 800 mm nominal diameter | m | Factory | 1.910,00 |
| 10.450.1553 | Ø 1,000 mm nominal diameter | m | Factory | 2.990,00 |
| | **Resistance to 10 ATM of pressure** | | | |
| 10.450.1561 | Ø 32 mm nominal diameter | m | Factory | 4,00 |
| 10.450.1562 | Ø 50 mm nominal diameter | m | Factory | 9,80 |
| 10.450.1563 | Ø 75 mm nominal diameter | m | Factory | 21,50 |
| 10.450.1564 | Ø 110 mm nominal diameter | m | Factory | 46,00 |
| 10.450.1565 | Ø 160 mm nominal diameter | m | Factory | 95,00 |
| 10.450.1566 | Ø 200 mm nominal diameter | m | Factory | 145,00 |
| 10.450.1567 | Ø 250 mm nominal diameter | m | Factory | 230,00 |
| 10.450.1568 | Ø 315 mm nominal diameter | m | Factory | 375,00 |
| 10.450.1569 | Ø 400 mm nominal diameter | m | Factory | 590,00 |
| 10.450.1570 | Ø 500 mm nominal diameter | m | Factory | 910,00 |
| 10.450.1571 | Ø 630 mm nominal diameter | m | Factory | 1.470,00 |
| 10.450.1572 | Ø 800 mm nominal diameter | m | Factory | 2.370,00 |
| 10.450.1573 | Ø 1,000 mm nominal diameter | m | Factory | 3.690,00 |
| | **Resistance to 12.5 ATM of pressure** | | | |
| 10.450.1581 | Ø 25 mm nominal diameter | m | Factory | 3,44 |
| 10.450.1582 | Ø 50 mm nominal diameter | m | Factory | 12,20 |
| 10.450.1583 | Ø 75 mm nominal diameter | m | Factory | 26,50 |
| 10.450.1584 | Ø 110 mm nominal diameter | m | Factory | 56,00 |
| 10.450.1585 | Ø 160 mm nominal diameter | m | Factory | 110,00 |
| 10.450.1586 | Ø 200 mm nominal diameter | m | Factory | 180,00 |
| 10.450.1587 | Ø 250 mm nominal diameter | m | Factory | 270,00 |
| 10.450.1588 | Ø 315 mm nominal diameter | m | Factory | 430,00 |
| 10.450.1589 | Ø 400 mm nominal diameter | m | Factory | 710,00 |
| 10.450.1590 | Ø 500 mm nominal diameter | m | Factory | 1.120,00 |
| 10.450.1591 | Ø 630 mm nominal diameter | m | Factory | 1.780,00 |
| 10.450.1592 | Ø 800 mm nominal diameter | m | Factory | 2.880,00 |
| | **Resistance to 16 ATM of pressure** | | | |
| 10.450.1601 | Ø20 mm nominal diameter | m | Factory | 2,66 |
| 10.450.1602 | Ø 32 mm nominal diameter | m | Factory | 6,30 |
| 10.450.1603 | Ø 50 mm nominal diameter | m | Factory | 14,50 |
| 10.450.1604 | Ø 75 mm nominal diameter | m | Factory | 31,00 |
| 10.450.1605 | Ø 110 mm nominal diameter | m | Factory | 62,00 |
| 10.450.1606 | Ø 160 mm nominal diameter | m | Factory | 140,00 |
| 10.450.1607 | Ø 200 mm nominal diameter | m | Factory | 220,00 |
| 10.450.1608 | Ø 250 mm nominal diameter | m | Factory | 330,00 |
| 10.450.1609 | Ø 315 mm nominal diameter | m | Factory | 540,00 |
| 10.450.1610 | Ø 400 mm nominal diameter | m | Factory | 870,00 |
| 10.450.1611 | Ø 500 mm nominal diameter | m | Factory | 1.350,00 |
| 10.450.1612 | Ø 630 mm nominal diameter | m | Factory | 2.170,00 |
| | **Resistance to 20 ATM of pressure** | | | |
| 10.450.1621 | Ø 16 mm nominal diameter | m | Factory | 1,94 |
| 10.450.1622 | Ø 25 mm nominal diameter | m | Factory | 4,70 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.1623 | Ø 32 mm nominal diameter | m | Factory | 7,00 |
| 10.450.1624 | Ø 50 mm nominal diameter | m | Factory | 16,50 |
| 10.450.1625 | Ø 75 mm nominal diameter | m | Factory | 36,00 |
| 10.450.1626 | Ø 110 mm nominal diameter | m | Factory | 78,00 |
| 10.450.1627 | Ø 160 mm nominal diameter | m | Factory | 165,00 |
| 10.450.1628 | Ø 200 mm nominal diameter | m | Factory | 250,00 |
| 10.450.1629 | Ø 250 mm nominal diameter | m | Factory | 380,00 |
| 10.450.1630 | Ø 315 mm nominal diameter | m | Factory | 640,00 |
| 10.450.1631 | Ø 400 mm nominal diameter | m | Factory | 1.030,00 |
| 10.450.1632 | Ø 500 mm nominal diameter | m | Factory | 1.640,00 |
| | **Resistance to 25 ATM of pressure** | | | |
| 10.450.1641 | Ø 16 mm nominal diameter | m | Factory | 2,42 |
| 10.450.1642 | Ø 25 mm nominal diameter | m | Factory | 5,60 |
| 10.450.1643 | Ø 32 mm nominal diameter | m | Factory | 9,40 |
| 10.450.1644 | Ø 50 mm nominal diameter | m | Factory | 21,00 |
| 10.450.1645 | Ø 75 mm nominal diameter | m | Factory | 47,00 |
| 10.450.1646 | Ø 110 mm nominal diameter | m | Factory | 99,00 |
| 10.450.1647 | Ø 160 mm nominal diameter | m | Factory | 210,00 |
| 10.450.1648 | Ø 200 mm nominal diameter | m | Factory | 330,00 |
| 10.450.1649 | Ø 250 mm nominal diameter | m | Factory | 500,00 |
| 10.450.1650 | Ø 315 mm nominal diameter | m | Factory | 820,00 |
| 10.450.1651 | Ø 400 mm nominal diameter | m | Factory | 1.330,00 |
| 10.450.1652 | Ø 450 mm nominal diameter | m | Factory | 1.680,00 |
| 10.450.1900 | Dedicated parts for each diameter size | Kg | Factory | 28,50 |
| | **SPIRALLY-WOUND UNDERGROUND RAINWATER AND SEWER PIPES (HDPE-based) (TS 12132)**<br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| 10.450.1901 | Ø500 mm nominal diameter, Type 2 | m | Factory | 330,00 |
| 10.450.1902 | Ø600 mm nominal diameter, Type 2 | m | Factory | 400,00 |
| 10.450.1903 | Ø800 mm nominal diameter, Type 2 | m | Factory | 530,00 |
| 10.450.1904 | Ø1000 mm nominal diameter, Type 2 | m | Factory | 780,00 |
| 10.450.1905 | Ø1200 mm nominal diameter, Type 2 | m | Factory | 940,00 |
| 10.450.1906 | Ø1400 mm nominal diameter, Type 2 | m | Factory | 1.170,00 |
| 10.450.1907 | Ø1600 mm nominal diameter, Type 2 | m | Factory | 1.550,00 |
| 10.450.1908 | Ø1800 mm nominal diameter, Type 2 | m | Factory | 1.910,00 |
| 10.450.1909 | Ø2000 mm nominal diameter, Type 2 | m | Factory | 2.130,00 |
| 10.450.1910 | Ø2500 mm nominal diameter, Type 2 | m | Factory | 4.780,00 |
| 10.450.1911 | Ø3000 mm nominal diameter, Type 2 | m | Factory | 7.370,00 |
| 10.450.1921 | Ø500 mm nominal diameter, Type 3 | m | Factory | 330,00 |
| 10.450.1922 | Ø600 mm nominal diameter, Type 3 | m | Factory | 400,00 |
| 10.450.1923 | Ø800 mm nominal diameter, Type 3 | m | Factory | 630,00 |
| 10.450.1924 | Ø1000 mm nominal diameter, Type 3 | m | Factory | 900,00 |
| 10.450.1925 | Ø1200 mm nominal diameter, Type 3 | m | Factory | 1.350,00 |
| 10.450.1926 | Ø1400 mm nominal diameter, Type 3 | m | Factory | 1.500,00 |
| 10.450.1927 | Ø1600 mm nominal diameter, Type 3 | m | Factory | 1.830,00 |
| 10.450.1928 | Ø1800 mm nominal diameter, Type 3 | m | Factory | 2.450,00 |
| 10.450.1929 | Ø2000 mm nominal diameter, Type 3 | m | Factory | 3.490,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.1930 | Ø2200 mm nominal diameter, Type 3 | m | Factory | 4.200,00 |
| 10.450.1931 | Ø2400 mm nominal diameter, Type 3 | m | Factory | 5.490,00 |
| 10.450.1932 | Ø2600 mm nominal diameter, Type 3 | m | Factory | 6.460,00 |
| 10.450.1933 | Ø2800 mm nominal diameter, Type 3 | m | Factory | 7.880,00 |
| 10.450.1934 | Ø3000 mm nominal diameter, Type 3 | m | Factory | 8.530,00 |
| 10.450.1941 | Ø500 mm nominal diameter, Type 4 | m | Factory | 330,00 |
| 10.450.1942 | Ø600 mm nominal diameter, Type 4 | m | Factory | 450,00 |
| 10.450.1943 | Ø800 mm nominal diameter, Type 4 | m | Factory | 680,00 |
| 10.450.1944 | Ø1000 mm nominal diameter, Type 4 | m | Factory | 1.050,00 |
| 10.450.1945 | Ø1200 mm nominal diameter, Type 4 | m | Factory | 1.400,00 |
| 10.450.1946 | Ø1400 mm nominal diameter, Type 4 | m | Factory | 1.800,00 |
| 10.450.1947 | Ø1600 mm nominal diameter, Type 4 | m | Factory | 2.700,00 |
| 10.450.1948 | Ø1800 mm nominal diameter, Type 4 | m | Factory | 3.600,00 |
| 10.450.1949 | Ø2000 mm nominal diameter, Type 4 | m | Factory | 4.900,00 |
| 10.450.1950 | Ø2500 mm nominal diameter, Type 4 | m | Factory | 8.200,00 |
| 10.450.1951 | Ø3000 mm nominal diameter, Type 4 | m | Factory | 12.900,00 |
| 10.450.1961 | Ø500 mm nominal diameter, Type 5 | m | Factory | 360,00 |
| 10.450.1962 | Ø600 mm nominal diameter, Type 5 | m | Factory | 450,00 |
| 10.450.1963 | Ø800 mm nominal diameter, Type 5 | m | Factory | 850,00 |
| 10.450.1964 | Ø1000 mm nominal diameter, Type 5 | m | Factory | 1.150,00 |
| 10.450.1965 | Ø1200 mm nominal diameter, Type 5 | m | Factory | 1.900,00 |
| 10.450.1966 | Ø1400 mm nominal diameter, Type 5 | m | Factory | 2.700,00 |
| 10.450.1967 | Ø1600 mm nominal diameter, Type 5 | m | Factory | 4.000,00 |
| 10.450.1968 | Ø1800 mm nominal diameter, Type 5 | m | Factory | 5.900,00 |
| 10.450.1969 | Ø2000 mm nominal diameter, Type 5 | m | Factory | 7.600,00 |
| 10.450.1970 | Ø2200 mm nominal diameter, Type 5 | m | Factory | 9.100,00 |
| 10.450.1971 | Ø2400 mm nominal diameter, Type 5 | m | Factory | 11.600,00 |
| 10.450.1972 | Ø2600 mm nominal diameter, Type 5 | m | Factory | 14.600,00 |
| 10.450.1973 | Ø2800 mm nominal diameter, Type 5 | m | Factory | 18.300,00 |
| 10.450.1974 | Ø3000 mm nominal diameter, Type 5 | m | Factory | 19.600,00 |
| 10.450.1981 | Ø500 mm nominal diameter, Type 6 | m | Factory | 430,00 |
| 10.450.1982 | Ø600 mm nominal diameter, Type 6 | m | Factory | 630,00 |
| 10.450.1983 | Ø800 mm nominal diameter, Type 6 | m | Factory | 1.030,00 |
| 10.450.1984 | Ø1000 mm nominal diameter, Type 6 | m | Factory | 1.800,00 |
| 10.450.1985 | Ø1200 mm nominal diameter, Type 6 | m | Factory | 2.700,00 |
| 10.450.1986 | Ø1400 mm nominal diameter, Type 6 | m | Factory | 4.200,00 |
| 10.450.1987 | Ø1600 mm nominal diameter, Type 6 | m | Factory | 5.100,00 |
| 10.450.1988 | Ø1800 mm nominal diameter, Type 6 | m | Factory | 8.200,00 |
| 10.450.1989 | Ø2000 mm nominal diameter, Type 6 | m | Factory | 9.800,00 |
| 10.450.1990 | Ø2500 mm nominal diameter, Type 6 | m | Factory | 12.000,00 |
| 10.450.1991 | Ø3000 mm nominal diameter, Type 6 | m | Factory | 21.900,00 |
| 10.450.2001 | Ø500 mm nominal diameter, Type 7 | m | Factory | 580,00 |
| 10.450.2002 | Ø600 mm nominal diameter, Type 7 | m | Factory | 710,00 |
| 10.450.2003 | Ø800 mm nominal diameter, Type 7 | m | Factory | 1.600,00 |
| 10.450.2004 | Ø1000 mm nominal diameter, Type 7 | m | Factory | 2.500,00 |
| 10.450.2005 | Ø1200 mm nominal diameter, Type 7 | m | Factory | 4.000,00 |
| 10.450.2006 | Ø1400 mm nominal diameter, Type 7 | m | Factory | 6.400,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2007 | Ø1600 mm nominal diameter, Type 7 | m | Factory | 8.500,00 |
| 10.450.2008 | Ø1800 mm nominal diameter, Type 7 | m | Factory | 10.800,00 |
| 10.450.2050 | Dedicated parts for each diameter size | Kg | Factory | 20,00 |
| | **STEEL-REINFORCED, SPIRALLY-WOUND UNDERGROUND RAINWATER AND SEWER PIPES (HDPE-based) (ASTM F 2435)**<br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Type SN 8 pipes** | | | |
| 10.450.2051 | Ø600 mm nominal diameter | m | Factory | 500,00 |
| 10.450.2052 | Ø800 mm nominal diameter | m | Factory | 760,00 |
| 10.450.2053 | Ø1,000 mm nominal diameter | m | Factory | 1.380,00 |
| 10.450.2054 | Ø1200 mm nominal diameter | m | Factory | 2.100,00 |
| 10.450.2055 | Ø1400 mm nominal diameter | m | Factory | 2.900,00 |
| 10.450.2056 | Ø1500 mm nominal diameter | m | Factory | 3.700,00 |
| 10.450.2057 | Ø1600 mm nominal diameter | m | Factory | 4.100,00 |
| | **Type SN 12 pipes** | | | |
| 10.450.2071 | Ø600 mm nominal diameter | m | Factory | 560,00 |
| 10.450.2072 | Ø800 mm nominal diameter | m | Factory | 860,00 |
| 10.450.2073 | Ø1,000 mm nominal diameter | m | Factory | 1.550,00 |
| 10.450.2074 | Ø1200 mm nominal diameter | m | Factory | 2.400,00 |
| 10.450.2075 | Ø1400 mm nominal diameter | m | Factory | 3.300,00 |
| 10.450.2076 | Ø1500 mm nominal diameter | m | Factory | 4.200,00 |
| 10.450.2077 | Ø1600 mm nominal diameter | m | Factory | 4.700,00 |
| | **Type SN 16 pipes** | | | |
| 10.450.2081 | Ø600 mm nominal diameter | m | Factory | 670,00 |
| 10.450.2082 | Ø800 mm nominal diameter | m | Factory | 990,00 |
| 10.450.2083 | Ø1,000 mm nominal diameter | m | Factory | 1.800,00 |
| 10.450.2084 | Ø1200 mm nominal diameter | m | Factory | 2.800,00 |
| 10.450.2085 | Ø1400 mm nominal diameter | m | Factory | 4.000,00 |
| 10.450.2086 | Ø1500 mm nominal diameter | m | Factory | 5.000,00 |
| 10.450.2087 | Ø1600 mm nominal diameter | m | Factory | 5.500,00 |
| 10.450.2100 | Dedicated parts for each diameter size | Kg | Factory | 30,00 |
| | **NATURAL GAS PIPES (TS EN ISO 3183)**<br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Steel natural gas pipes**<br>**Outside diameter (mm) x wall thickness (mm)** | | | |
| 10.450.2201 | 1/2 inch (21.3 x 2.80) GR-A | m | Factory | 18,00 |
| 10.450.2202 | 3/4 inch (26.7 x 2.90) GR-A | m | Factory | 23,00 |
| 10.450.2203 | 1 inch (33.4 x 3.40) GR-A | m | Factory | 34,00 |
| 10.450.2204 | 1¼ inches (42.2 x 3.60) GR-A | m | Factory | 46,00 |
| 10.450.2205 | 1½ inches (48.3 x 3.70) GR-A | m | Factory | 57,00 |
| 10.450.2206 | 2 inches (60.3 x 3.90) GR-A | m | Factory | 73,00 |
| 10.450.2207 | 2½ inches (73.0 x 5.20) GR-A | m | Factory | 115,00 |
| 10.450.2208 | 3 inches (88.9 x 5.50) GR-A | m | Factory | 160,00 |
| 10.450.2209 | 4 inches (114.3 x 6.00) GR-B | m | Factory | 205,00 |
| 10.450.2210 | 5 inches (141.0 x 6.60) GR-B | m | Factory | 290,00 |
| 10.450.2211 | 6 inches (168.3 x 7.10) GR-B | m | Factory | 370,00 |
| 10.450.2212 | 8 inches (219.1 x 8.18) GR-B | m | Factory | 560,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2213 | 10 inches (273.0 x 9.27) GR-B | m | Factory | 770,00 |
| 10.450.2214 | 12 inches (323.9 x 9.50) GR-B | m | Factory | 1.030,00 |
| 10.450.2215 | Dedicated parts for each diameter size | Kg | Factory | 41,00 |
| | **PE-coated natural gas pipes**<br><br>**Outside diameter (mm) x wall thickness (mm)** | | | |
| 10.450.2231 | 1/2 inch (21.3 x 2.80) GR-A | m | Factory | 36,00 |
| 10.450.2232 | 3/4 inch (26.7 x 2.90) GR-A | m | Factory | 44,00 |
| 10.450.2233 | 1 inch (33.4 x 3.40) GR-A | m | Factory | 59,00 |
| 10.450.2234 | 1¼ inches (42.2 x 3.60) GR-A | m | Factory | 80,00 |
| 10.450.2235 | 1½ inches (48.3 x 3.70) GR-A | m | Factory | 93,00 |
| 10.450.2236 | 2 inches (60.3 x 3.90) GR-A | m | Factory | 125,00 |
| 10.450.2237 | 2½ inches (73.0 x 5.20) GR-A | m | Factory | 190,00 |
| 10.450.2238 | 3 inches (88.9 x 5.50) GR-A | m | Factory | 230,00 |
| 10.450.2239 | 4 inches (114.3 x 6.00) GR-B | m | Factory | 300,00 |
| 10.450.2240 | 5 inches (141.0 x 6.60) GR-B | m | Factory | 390,00 |
| 10.450.2241 | 6 inches (168.3 x 7.10) GR-B | m | Factory | 540,00 |
| 10.450.2242 | 8 inches (219.1 x 8.18) GR-B | m | Factory | 730,00 |
| 10.450.2243 | 10 inches (273.0 x 9.27) GR-B | m | Factory | 1.120,00 |
| 10.450.2244 | 12 inches (323.9 x 9.50) GR-B | m | Factory | 1.370,00 |
| 10.450.2300 | Dedicated parts for each diameter size | Kg | Factory | 37,00 |
| | **SPIRAL-WELDED STEEL PIPES (TS EN 10217-1)**<br>**Epoxy Interior (as per TS EN 10289),**<br>**PE-coated exterior (as per TS 5139),**<br>**Butt welded**<br><br>**Note: 1- Market Prices of other diameters will be interpolated.**<br>**2- For steel pipes with the same steel class but different wall thicknesses, the weight per unit length of the pipe with known unit price shall be taken as basis to determine the unit prices of the other pipes of the said diameter.** | | | |
| | **Resistance to 6 to 10 ATM of pressure (St 37)**<br>**External diameter (mm) x Wall thickness (mm)** | | | |
| 10.450.2301 | 406.4 x 4.00 | m | Factory | 670,00 |
| 10.450.2302 | 508.0 x 4.00 | m | Factory | 840,00 |
| 10.450.2303 | 559.0 x 4.00 | m | Factory | 910,00 |
| 10.450.2304 | 610.0 x 4.76 | m | Factory | 1.100,00 |
| 10.450.2305 | 660.0 x 4.76 | m | Factory | 1.200,00 |
| 10.450.2306 | 711.0 x 4.76 | m | Factory | 1.300,00 |
| 10.450.2307 | 762.0 x 5.00 | m | Factory | 1.400,00 |
| 10.450.2308 | 812.0 x 6.00 | m | Factory | 1.700,00 |
| 10.450.2309 | 864.0 x 6.00 | m | Factory | 1.800,00 |
| 10.450.2310 | 914.0 x 6.00 | m | Factory | 1.900,00 |
| 10.450.2311 | 1,016.0 x 6.00 | m | Factory | 2.100,00 |
| 10.450.2312 | 1,118.0 x 7.00 | m | Factory | 2.600,00 |
| 10.450.2313 | 1,219.0 x 7.00 | m | Factory | 2.800,00 |
| 10.450.2314 | 1,321.0 x 8.00 | m | Factory | 3.400,00 |
| 10.450.2315 | 1,422.0 x 8.80 | m | Factory | 3.800,00 |
| 10.450.2316 | 1,524.0 x 9.60 | m | Factory | 4.500,00 |
| 10.450.2317 | 1,626.0 x 9.60 | m | Factory | 4.700,00 |
| 10.450.2318 | 1,727.0 x 10.40 | m | Factory | 5.400,00 |
| 10.450.2319 | 1,829.0 x 10.40 | m | Factory | 5.800,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2320 | 1,930.0 x 11.20 | m | Factory | 6.400,00 |
| 10.450.2321 | 2,032.0 x 11.20 | m | Factory | 6.800,00 |
| 10.450.2322 | 2,134.0 x 12.70 | m | Factory | 8.000,00 |
| 10.450.2323 | 2,235.0 x 12.70 | m | Factory | 8.400,00 |
| 10.450.2324 | 2,337.0 x 14.30 | m | Factory | 9.700,00 |
| 10.450.2325 | 2,438.0 x 14.30 | m | Factory | 10.000,00 |
| 10.450.2326 | 2,540.0 x 15.90 | m | Factory | 11.500,00 |
| 10.450.2327 | 2,642.0 x 17.46 | m | Factory | 13.000,00 |
| 10.450.2328 | 2845.0 x 18.20 | m | Factory | 14.600,00 |
| 10.450.2329 | 3048.0 x 19.10 | m | Factory | 16.300,00 |
| 10.450.2330 | 3150.0 x 19.87 | m | Factory | 17.400,00 |
| 10.450.2331 | 3251.0 x 21.46 | m | Factory | 19.200,00 |
| | **Resistance to 16 ATM of pressure (St 44)**<br>**Outside diameter (mm) x Wall thickness (mm)** | | | |
| 10.450.2351 | 406.4 x 4.55 | m | Factory | 720,00 |
| 10.450.2352 | 508.0 x 4.55 | m | Factory | 900,00 |
| 10.450.2353 | 559.0 x 4.55 | m | Factory | 1.000,00 |
| 10.450.2354 | 610.0 x 4.76 | m | Factory | 1.120,00 |
| 10.450.2355 | 660.0 x 4.76 | m | Factory | 1.200,00 |
| 10.450.2356 | 711.0 x 4.76 | m | Factory | 1.300,00 |
| 10.450.2357 | 762.0 x 5.55 | m | Factory | 1.550,00 |
| 10.450.2358 | 812.0 x 5.55 | m | Factory | 1.700,00 |
| 10.450.2359 | 864.0 x 6.35 | m | Factory | 1.950,00 |
| 10.450.2360 | 914.0 x 6.35 | m | Factory | 2.050,00 |
| 10.450.2361 | 1,016.0 x 7.10 | m | Factory | 2.450,00 |
| 10.450.2362 | 1,118.0 x 7.10 | m | Factory | 2.700,00 |
| 10.450.2363 | 1,219 x 7.93 | m | Factory | 3.200,00 |
| 10.450.2364 | 1,321.0 x 7.93 | m | Factory | 3.450,00 |
| 10.450.2365 | 1,422.0 x 7.93 | m | Factory | 3.750,00 |
| 10.450.2366 | 1,524.0 x 9.52 | m | Factory | 4.500,00 |
| 10.450.2367 | 1,626.0 x 10.30 | m | Factory | 5.100,00 |
| 10.450.2368 | 1,727.0 x 11.10 | m | Factory | 5.800,00 |
| 10.450.2369 | 1,829.0 x 11.10 | m | Factory | 6.200,00 |
| 10.450.2370 | 1,930.0 x 11.90 | m | Factory | 6.800,00 |
| 10.450.2371 | 2,032.0 x 11.90 | m | Factory | 7.200,00 |
| 10.450.2372 | 2,134.0 x 12.70 | m | Factory | 8.000,00 |
| 10.450.2373 | 2,235.0 x 12.70 | m | Factory | 8.400,00 |
| 10.450.2374 | 2,337.0 x 13.50 | m | Factory | 9.300,00 |
| 10.450.2375 | 2,438.0 x 14.30 | m | Factory | 10.200,00 |
| 10.450.2376 | 2,540.0 x 14.30 | m | Factory | 10.600,00 |
| 10.450.2377 | 2,642.0 x 15.07 | m | Factory | 11.600,00 |
| 10.450.2378 | 2845.0 x 16.70 | m | Factory | 13.700,00 |
| 10.450.2379 | 3048.0 x 18.20 | m | Factory | 15.700,00 |
| 10.450.2380 | 3150.0 x 19.10 | m | Factory | 17.000,00 |
| 10.450.2381 | 3251.0 x 19.90 | m | Factory | 18.300,00 |
| | **Resistance to 25 ATM of pressure (St 44)**<br><br>**Outside diameter (mm) x Wall thickness (mm)** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2401 | 406.4 x 4.76 | m | Factory | 750,00 |
| 10.450.2402 | 508.0 x 4.76 | m | Factory | 940,00 |
| 10.450.2403 | 559.0 x 5.55 | m | Factory | 1.130,00 |
| 10.450.2404 | 610.0 x 5.55 | m | Factory | 1.240,00 |
| 10.450.2405 | 660.0 x 5.55 | m | Factory | 1.340,00 |
| 10.450.2406 | 711.0 x 6.35 | m | Factory | 1.550,00 |
| 10.450.2407 | 762.0 x 6.35 | m | Factory | 1.680,00 |
| 10.450.2408 | 812.0 x 7.10 | m | Factory | 1.940,00 |
| 10.450.2409 | 864.0 x 7.93 | m | Factory | 2.200,00 |
| 10.450.2410 | 914.0 x 7.93 | m | Factory | 2.300,00 |
| 10.450.2411 | 1,016.0 x 8.73 | m | Factory | 2.800,00 |
| 10.450.2412 | 1,118.0 x 9.53 | m | Factory | 3.300,00 |
| 10.450.2413 | 1,219.0 x 10.30 | m | Factory | 3.800,00 |
| 10.450.2414 | 1,321.0 x 11.10 | m | Factory | 4.400,00 |
| 10.450.2415 | 1,422.0 x 12.70 | m | Factory | 5.300,00 |
| 10.450.2416 | 1,524.0 x 13.50 | m | Factory | 6.000,00 |
| 10.450.2417 | 1,626.0 x 14.30 | m | Factory | 6.800,00 |
| 10.450.2418 | 1,727.0 x 15.07 | m | Factory | 7.500,00 |
| 10.450.2419 | 1,829.0 x 15.88 | m | Factory | 8.400,00 |
| 10.450.2420 | 1,930.0 x 16.68 | m | Factory | 9.300,00 |
| 10.450.2421 | 2,032.0 x 17.46 | m | Factory | 10.000,00 |
| 10.450.2422 | 2,134.0 x 18.22 | m | Factory | 11.000,00 |
| 10.450.2423 | 2,235.0 x 19.10 | m | Factory | 12.100,00 |
| 10.450.2424 | 2,337.0 x 19.87 | m | Factory | 13.200,00 |
| 10.450.2425 | 2,438.0 x 21.46 | m | Factory | 14.700,00 |
| 10.450.2426 | 2,540.0 x 21.46 | m | Factory | 15.400,00 |
| 10.450.2427 | 2,642.0 x 23.05 | m | Factory | 17.000,00 |
| | **Resistance to 25 ATM of pressure (St 52)**<br>**Outside diameter (mm) x Wall thickness (mm)** | | | |
| 10.450.2478 | 2845.0 x 20.00 | m | Factory | 16.400,00 |
| 10.450.2479 | 3048.0 x 21.50 | m | Factory | 19.000,00 |
| 10.450.2480 | 3150.0 x 22.00 | m | Factory | 20.000,00 |
| 10.450.2481 | 3251.0 x 22.50 | m | Factory | 21.000,00 |
| 10.450.2700 | Dedicated parts for each diameter size | Kg | Factory | 41,00 |
| | **DUCTILE CAST IRON POTABLE WATER PIPES**<br>**(Ductile cast iron pipes)**<br>**(Class: K9) (TS EN 545)**<br><br>**(Prices of sleeves and seals shall be included)**<br><br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| 10.450.2701 | Ø80 mm nominal diameter | m | Factory | 230,00 |
| 10.450.2702 | Ø100 mm nominal diameter | m | Factory | 270,00 |
| 10.450.2703 | Ø125 mm nominal diameter | m | Factory | 280,00 |
| 10.450.2704 | Ø150 mm nominal diameter | m | Factory | 350,00 |
| 10.450.2705 | Ø200 mm nominal diameter | m | Factory | 460,00 |
| 10.450.2706 | Ø250 mm nominal diameter | m | Factory | 590,00 |
| 10.450.2707 | Ø300 mm nominal diameter | m | Factory | 780,00 |
| 10.450.2708 | Ø350 mm nominal diameter | m | Factory | 970,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2709 | Ø400 mm nominal diameter | m | Factory | 1.150,00 |
| 10.450.2710 | Ø450 mm nominal diameter | m | Factory | 1.400,00 |
| 10.450.2711 | Ø500 mm nominal diameter | m | Factory | 1.550,00 |
| 10.450.2712 | Ø600 mm nominal diameter | m | Factory | 2.100,00 |
| 10.450.2713 | Ø700 mm nominal diameter | m | Factory | 2.700,00 |
| 10.450.2714 | Ø800 mm nominal diameter | m | Factory | 3.300,00 |
| 10.450.2715 | Ø900 mm nominal diameter | m | Factory | 4.000,00 |
| 10.450.2716 | Ø1,000 mm nominal diameter | m | Factory | 4.600,00 |
| 10.450.2717 | Ø1200 mm nominal diameter | m | Factory | 5.500,00 |
| 10.450.2718 | Ø1400 mm nominal diameter | m | Factory | 6.400,00 |
| 10.450.2719 | Ø1600 mm nominal diameter | m | Factory | 7.300,00 |
| 10.450.2720 | Ø1800 mm nominal diameter | m | Factory | 8.300,00 |
| 10.450.2721 | Ø2000 mm nominal diameter | m | Factory | 9.100,00 |
| 10.450.2750 | Dedicated parts for each diameter size | Kg | Factory | 60,00 |
| | **SPIRALLY-WOUND UNDERGROUND RAINWATER AND SEWER PIPES (PVC-based) (TS 12132)**<br><br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| 10.450.2751 | Ø800 mm nominal diameter, Type 2 | m | Factory | 590,00 |
| 10.450.2752 | Ø1500 mm nominal diameter, Type 2 | m | Factory | 1.280,00 |
| 10.450.2753 | Ø1800 mm nominal diameter, Type 2 | m | Factory | 1.750,00 |
| 10.450.2754 | Ø1900 mm nominal diameter, Type 2 | m | Factory | 1.850,00 |
| 10.450.2755 | Ø2000 mm nominal diameter, Type 2 | m | Factory | 1.950,00 |
| 10.450.2756 | Ø2100 mm nominal diameter, Type 2 | m | Factory | 2.300,00 |
| 10.450.2757 | Ø2200 mm nominal diameter, Type 2 | m | Factory | 2.450,00 |
| 10.450.2758 | Ø2300 mm nominal diameter, Type 2 | m | Factory | 2.500,00 |
| 10.450.2759 | Ø2400 mm nominal diameter, Type 2 | m | Factory | 2.650,00 |
| 10.450.2760 | Ø2500 mm nominal diameter, Type 2 | m | Factory | 2.800,00 |
| 10.450.2761 | Ø2600 mm nominal diameter, Type 2 | m | Factory | 2.850,00 |
| 10.450.2781 | Ø300 mm nominal diameter, Type 3 | m | Factory | 130,00 |
| 10.450.2782 | Ø400 mm nominal diameter, Type 3 | m | Factory | 260,00 |
| 10.450.2783 | Ø600 mm nominal diameter, Type 3 | m | Factory | 420,00 |
| 10.450.2784 | Ø700 mm nominal diameter, Type 3 | m | Factory | 520,00 |
| 10.450.2785 | Ø800 mm nominal diameter, Type 3 | m | Factory | 680,00 |
| 10.450.2786 | Ø900 mm nominal diameter, Type 3 | m | Factory | 770,00 |
| 10.450.2787 | Ø1000 mm nominal diameter, Type 3 | m | Factory | 860,00 |
| 10.450.2788 | Ø1200 mm nominal diameter, Type 3 | m | Factory | 1.030,00 |
| 10.450.2789 | Ø1300 mm nominal diameter, Type 3 | m | Factory | 1.100,00 |
| 10.450.2790 | Ø1400 mm nominal diameter, Type 3 | m | Factory | 1.200,00 |
| 10.450.2791 | Ø1500 mm nominal diameter, Type 3 | m | Factory | 1.480,00 |
| 10.450.2792 | Ø1600 mm nominal diameter, Type 3 | m | Factory | 1.620,00 |
| 10.450.2793 | Ø1700 mm nominal diameter, Type 3 | m | Factory | 1.680,00 |
| 10.450.2794 | Ø1800 mm nominal diameter, Type 3 | m | Factory | 2.000,00 |
| 10.450.2795 | Ø1900 mm nominal diameter, Type 3 | m | Factory | 2.070,00 |
| 10.450.2796 | Ø2000 mm nominal diameter, Type 3 | m | Factory | 2.200,00 |
| 10.450.2811 | Ø150 mm nominal diameter, Type 4 | m | Factory | 75,00 |
| 10.450.2812 | Ø200 mm nominal diameter, Type 4 | m | Factory | 80,00 |
| 10.450.2813 | Ø300 mm nominal diameter, Type 4 | m | Factory | 210,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2814 | Ø500 mm nominal diameter, Type 4 | m | Factory | 350,00 |
| 10.450.2815 | Ø600 mm nominal diameter, Type 4 | m | Factory | 510,00 |
| 10.450.2816 | Ø700 mm nominal diameter, Type 4 | m | Factory | 590,00 |
| 10.450.2817 | Ø800 mm nominal diameter, Type 4 | m | Factory | 770,00 |
| 10.450.2818 | Ø900 mm nominal diameter, Type 4 | m | Factory | 890,00 |
| 10.450.2819 | Ø1000 mm nominal diameter, Type 4 | m | Factory | 980,00 |
| 10.450.2820 | Ø1100 mm nominal diameter, Type 4 | m | Factory | 1.070,00 |
| 10.450.2821 | Ø1200 mm nominal diameter, Type 4 | m | Factory | 1.180,00 |
| 10.450.2822 | Ø1300 mm nominal diameter, Type 4 | m | Factory | 1.280,00 |
| 10.450.2823 | Ø1400 mm nominal diameter, Type 4 | m | Factory | 1.370,00 |
| 10.450.2824 | Ø1500 mm nominal diameter, Type 4 | m | Factory | 1.680,00 |
| 10.450.2825 | Ø1600 mm nominal diameter, Type 4 | m | Factory | 1.770,00 |
| 10.450.2826 | Ø1700 mm nominal diameter, Type 4 | m | Factory | 1.890,00 |
| 10.450.2850 | Dedicated parts for each diameter size | Kg | Factory | 23,00 |
| | **Hard PVC Plastic Potable Water Pipes<br>(TS EN ISO 1452-1, TS EN ISO 1452-2) (seals included)<br><br>Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Slip-on Bellmouth Pipes** | | | |
| | **Resistance to 6 ATM of pressure** | | | |
| 10.450.2851 | Ø450 mm nominal diameter | m | Factory | 510,00 |
| 10.450.2852 | Ø500 mm nominal diameter | m | Factory | 640,00 |
| 10.450.2853 | Ø560 mm nominal diameter | m | Factory | 800,00 |
| 10.450.2854 | Ø630 mm nominal diameter | m | Factory | 1.030,00 |
| 10.450.2855 | Ø710 mm nominal diameter | m | Factory | 1.290,00 |
| 10.450.2856 | Ø800 mm nominal diameter | m | Factory | 1.680,00 |
| 10.450.2857 | Ø900 mm nominal diameter | m | Factory | 1.810,00 |
| 10.450.2858 | Ø1,000 mm nominal diameter | m | Factory | 2.600,00 |
| | **Resistance to 10 ATM of pressure** | | | |
| 10.450.2871 | Ø450 mm nominal diameter | m | Factory | 800,00 |
| 10.450.2872 | Ø500 mm nominal diameter | m | Factory | 1.000,00 |
| 10.450.2873 | Ø560 mm nominal diameter | m | Factory | 1.220,00 |
| 10.450.2874 | Ø630 mm nominal diameter | m | Factory | 1.590,00 |
| 10.450.2875 | Ø710 mm nominal diameter | m | Factory | 2.070,00 |
| 10.450.2876 | Ø800 mm nominal diameter | m | Factory | 2.600,00 |
| | **Resistance to 16 ATM of pressure** | | | |
| 10.450.2891 | Ø40 mm nominal diameter | m | Factory | 13,00 |
| 10.450.2892 | Ø80 mm nominal diameter | m | Factory | 49,00 |
| 10.450.2893 | Ø100 mm nominal diameter | m | Factory | 62,00 |
| 10.450.2894 | Ø150 mm nominal diameter | m | Factory | 130,00 |
| 10.450.2895 | Ø200 mm nominal diameter | m | Factory | 230,00 |
| 10.450.2896 | Ø250 mm nominal diameter | m | Factory | 370,00 |
| 10.450.2897 | Ø300 mm nominal diameter | m | Factory | 480,00 |
| 10.450.2898 | Ø400 mm nominal diameter | m | Factory | 1.000,00 |
| 10.450.2899 | Ø500 mm nominal diameter | m | Factory | 1.550,00 |
| | **Stick-on Bellmouth Pipes** | | | |
| | **Resistance to 16 ATM of pressure** | | | |
| 10.450.2901 | Ø15 mm nominal diameter | m | Factory | 2,90 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.2902 | Ø32 mm nominal diameter | m | Factory | 8,50 |
| 10.450.2903 | Ø50 mm nominal diameter | m | Factory | 20,50 |
| 10.450.2904 | Ø80 mm nominal diameter | m | Factory | 50,50 |
| 10.450.2905 | Ø100 mm nominal diameter | m | Factory | 68,50 |
| 10.450.2906 | Ø150 mm nominal diameter | m | Factory | 135,00 |
| 10.450.2907 | Ø200 mm nominal diameter | m | Factory | 260,00 |
| 10.450.2908 | Ø250 mm nominal diameter | m | Factory | 400,00 |
| 10.450.2909 | Ø300 mm nominal diameter | m | Factory | 520,00 |
| 10.450.2910 | Ø400 mm nominal diameter | m | Factory | 850,00 |
| 10.450.2950 | Dedicated parts for each diameter size | Kg | Factory | 17,40 |
| | **POTABLE WATER PIPES MADE OF HARD PVC PLASTIC (TS ISO 16422) (including the price of the seal) Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Slip-on Bellmouth Pipes** | | | |
| | **Resistance to 10 ATM of pressure** | | | |
| 10.450.2951 | Ø110 mm nominal diameter | m | Factory | 55,00 |
| 10.450.2952 | Ø160 mm nominal diameter | m | Factory | 105,00 |
| 10.450.2953 | Ø250 mm nominal diameter | m | Factory | 270,00 |
| 10.450.2954 | Ø315 mm nominal diameter | m | Factory | 425,00 |
| 10.450.3000 | Dedicated parts for each diameter size | Kg | Factory | 15,00 |
| | **Hard PVC Plastic Potable Water Pipes (PVC with lead-free raw material) (TS EN ISO 1452-1, TS EN ISO 1452-2) (seals included) Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Slip-on Bellmouth Pipes** | | | |
| | **Resistance to 6 ATM of pressure** | | | |
| 10.450.3001 | Ø50 mm nominal diameter | m | Factory | 10,20 |
| 10.450.3002 | Ø75 mm nominal diameter | m | Factory | 19,40 |
| 10.450.3003 | Ø110 mm nominal diameter | m | Factory | 34,00 |
| 10.450.3004 | Ø160 mm nominal diameter | m | Factory | 74,00 |
| 10.450.3005 | Ø250 mm nominal diameter | m | Factory | 170,00 |
| 10.450.3006 | Ø315 mm nominal diameter | m | Factory | 270,00 |
| 10.450.3007 | Ø450 mm nominal diameter | m | Factory | 570,00 |
| 10.450.3008 | Ø630 mm nominal diameter | m | Factory | 1.290,00 |
| | **Resistance to 10 ATM of pressure** | | | |
| 10.450.3021 | Ø50 mm nominal diameter | m | Factory | 13,00 |
| 10.450.3022 | Ø75 mm nominal diameter | m | Factory | 29,00 |
| 10.450.3023 | Ø110 mm nominal diameter | m | Factory | 51,00 |
| 10.450.3024 | Ø160 mm nominal diameter | m | Factory | 105,00 |
| 10.450.3025 | Ø250 mm nominal diameter | m | Factory | 260,00 |
| 10.450.3026 | Ø315 mm nominal diameter | m | Factory | 410,00 |
| 10.450.3027 | Ø450 mm nominal diameter | m | Factory | 880,00 |
| 10.450.3028 | Ø630 mm nominal diameter | m | Factory | 2.000,00 |
| | **Resistance to 16 ATM of pressure** | | | |
| 10.450.3041 | Ø50 mm nominal diameter | m | Factory | 19,50 |
| 10.450.3042 | Ø75 mm nominal diameter | m | Factory | 44,00 |
| 10.450.3043 | Ø110 mm nominal diameter | m | Factory | 77,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3044 | Ø160 mm nominal diameter | m | Factory | 160,00 |
| 10.450.3045 | Ø250 mm nominal diameter | m | Factory | 400,00 |
| 10.450.3046 | Ø315 mm nominal diameter | m | Factory | 630,00 |
| | **Stick-on Bellmouth Pipes** | | | |
| | **Resistance to 6 ATM of pressure** | | | |
| 10.450.3061 | Ø75 mm nominal diameter | m | Factory | 19,40 |
| 10.450.3062 | Ø110 mm nominal diameter | m | Factory | 33,50 |
| 10.450.3063 | Ø160 mm nominal diameter | m | Factory | 71,00 |
| 10.450.3064 | Ø250 mm nominal diameter | m | Factory | 168,00 |
| 10.450.3065 | Ø315 mm nominal diameter | m | Factory | 260,00 |
| 10.450.3066 | Ø400 mm nominal diameter | m | Factory | 440,00 |
| | **Resistance to 10 ATM of pressure** | | | |
| 10.450.3081 | Ø75 mm nominal diameter | m | Factory | 29,00 |
| 10.450.3082 | Ø110 mm nominal diameter | m | Factory | 49,00 |
| 10.450.3083 | Ø160 mm nominal diameter | m | Factory | 105,00 |
| 10.450.3084 | Ø250 mm nominal diameter | m | Factory | 260,00 |
| 10.450.3085 | Ø315 mm nominal diameter | m | Factory | 400,00 |
| 10.450.3086 | Ø400 mm nominal diameter | m | Factory | 660,00 |
| | **Resistance to 16 ATM of pressure** | | | |
| 10.450.3101 | Ø75 mm nominal diameter | m | Factory | 41,00 |
| 10.450.3102 | Ø110 mm nominal diameter | m | Factory | 70,00 |
| 10.450.3103 | Ø160 mm nominal diameter | m | Factory | 160,00 |
| 10.450.3104 | Ø250 mm nominal diameter | m | Factory | 390,00 |
| 10.450.3105 | Ø315 mm nominal diameter | m | Factory | 590,00 |
| 10.450.3150 | Dedicated parts for each diameter size | Kg | Factory | 15,00 |
| | **HARD PVC SEWER PIPES**<br>**(TS EN 1401-1, TSE CEN/TS 1401-2, TS 2171-3 ENV 1401-3)**<br>**(including the price of the seal)**<br>**Note: Market Prices of other diameters will be interpolated.** | | | |
| | **Slip-on Bellmouth Pipes** | | | |
| | **Type SN 2 SDR 51 pipes** | | | |
| 10.450.3151 | Ø160 mm nominal diameter | m | Factory | 52,00 |
| 10.450.3152 | Ø200 mm nominal diameter | m | Factory | 77,00 |
| 10.450.3153 | Ø315 mm nominal diameter | m | Factory | 195,00 |
| 10.450.3154 | Ø400 mm nominal diameter | m | Factory | 320,00 |
| 10.450.3155 | Ø500 mm nominal diameter | m | Factory | 480,00 |
| 10.450.3156 | Ø630 mm nominal diameter | m | Factory | 790,00 |
| 10.450.3157 | Ø710 mm nominal diameter | m | Factory | 1.000,00 |
| 10.450.3158 | Ø800 mm nominal diameter | m | Factory | 1.300,00 |
| 10.450.3159 | Ø1,000 mm nominal diameter | m | Factory | 2.050,00 |
| | **Type SN 4 SDR 41 pipes** | | | |
| 10.450.3171 | Ø110 mm nominal diameter | m | Factory | 36,00 |
| 10.450.3172 | Ø160 mm nominal diameter | m | Factory | 68,00 |
| 10.450.3173 | Ø200 mm nominal diameter | m | Factory | 100,00 |
| 10.450.3174 | Ø315 mm nominal diameter | m | Factory | 240,00 |
| 10.450.3175 | Ø400 mm nominal diameter | m | Factory | 390,00 |
| 10.450.3176 | Ø500 mm nominal diameter | m | Factory | 620,00 |
| 10.450.3177 | Ø630 mm nominal diameter | m | Factory | 980,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3178 | Ø800 mm nominal diameter | m | Factory | 1.600,00 |
| 10.450.3179 | Ø1,000 mm nominal diameter | m | Factory | 2.500,00 |
| | **Type SN 8 SDR 34 pipes** | | | |
| 10.450.3191 | Ø110 mm nominal diameter | m | Factory | 36,00 |
| 10.450.3192 | Ø160 mm nominal diameter | m | Factory | 77,00 |
| 10.450.3193 | Ø200 mm nominal diameter | m | Factory | 110,00 |
| 10.450.3194 | Ø300 mm nominal diameter | m | Factory | 280,00 |
| 10.450.3195 | Ø400 mm nominal diameter | m | Factory | 460,00 |
| 10.450.3196 | Ø500 mm nominal diameter | m | Factory | 720,00 |
| 10.450.3197 | Ø630 mm nominal diameter | m | Factory | 1.160,00 |
| 10.450.3300 | Dedicated parts for each diameter size | Kg | Factory | 16,00 |
| | **GLASS-FIBER-REINFORCED (CTP) PLASTIC PIPES (TS EN 1796) Note: Market Prices of other diameters will be interpolated. (Prices of sleeves and seals shall be included) (Prices of sleeves for standard pipe sizes shall be included in the price of the pipe, and if a pipe of non-standard size is used, additional sleeves shall be charged separately.)** | | | |
| | **Resistance to 4 ATM of pressure (SN 2500)** | | | |
| 10.450.3301 | Ø300 mm nominal diameter | m | Factory | 195,00 |
| 10.450.3302 | Ø400 mm nominal diameter | m | Factory | 270,00 |
| 10.450.3303 | Ø600 mm nominal diameter | m | Factory | 450,00 |
| 10.450.3304 | Ø800 mm nominal diameter | m | Factory | 710,00 |
| 10.450.3305 | Ø1,000 mm nominal diameter | m | Factory | 970,00 |
| 10.450.3306 | Ø1200 mm nominal diameter | m | Factory | 1.290,00 |
| 10.450.3307 | Ø1400 mm nominal diameter | m | Factory | 1.690,00 |
| 10.450.3308 | Ø1600 mm nominal diameter | m | Factory | 2.100,00 |
| 10.450.3309 | Ø1800 mm nominal diameter | m | Factory | 2.600,00 |
| 10.450.3310 | Ø2000 mm nominal diameter | m | Factory | 3.200,00 |
| 10.450.3311 | Ø2200 mm nominal diameter | m | Factory | 3.700,00 |
| 10.450.3312 | Ø2400 mm nominal diameter | m | Factory | 4.400,00 |
| 10.450.3313 | Ø2600 mm nominal diameter | m | Factory | 5.200,00 |
| 10.450.3314 | Ø2800 mm nominal diameter | m | Factory | 6.000,00 |
| 10.450.3315 | Ø3000 mm nominal diameter | m | Factory | 6.800,00 |
| 10.450.3316 | Ø3200 mm nominal diameter | m | Factory | 9.300,00 |
| 10.450.3317 | Ø3400 mm nominal diameter | m | Factory | 10.600,00 |
| 10.450.3318 | Ø3600 mm nominal diameter | m | Factory | 11.900,00 |
| 10.450.3319 | Ø3800 mm nominal diameter | m | Factory | 13.700,00 |
| 10.450.3320 | Ø4000 mm nominal diameter | m | Factory | 14.400,00 |
| | **Resistance to 6 ATM of pressure (SN 2500)** | | | |
| 10.450.3341 | Ø300 mm nominal diameter | m | Factory | 220,00 |
| 10.450.3342 | Ø400 mm nominal diameter | m | Factory | 320,00 |
| 10.450.3343 | Ø600 mm nominal diameter | m | Factory | 490,00 |
| 10.450.3344 | Ø800 mm nominal diameter | m | Factory | 760,00 |
| 10.450.3345 | Ø1,000 mm nominal diameter | m | Factory | 1.050,00 |
| 10.450.3346 | Ø1200 mm nominal diameter | m | Factory | 1.380,00 |
| 10.450.3347 | Ø1400 mm nominal diameter | m | Factory | 1.800,00 |
| 10.450.3348 | Ø1600 mm nominal diameter | m | Factory | 2.300,00 |
| 10.450.3349 | Ø1800 mm nominal diameter | m | Factory | 2.800,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3350 | Ø2000 mm nominal diameter | m | Factory | 3.500,00 |
| 10.450.3351 | Ø2200 mm nominal diameter | m | Factory | 4.000,00 |
| 10.450.3352 | Ø2400 mm nominal diameter | m | Factory | 4.800,00 |
| 10.450.3353 | Ø2600 mm nominal diameter | m | Factory | 5.600,00 |
| 10.450.3354 | Ø2800 mm nominal diameter | m | Factory | 6.500,00 |
| 10.450.3355 | Ø3000 mm nominal diameter | m | Factory | 7.400,00 |
| 10.450.3356 | Ø3200 mm nominal diameter | m | Factory | 9.300,00 |
| 10.450.3357 | Ø3400 mm nominal diameter | m | Factory | 10.700,00 |
| 10.450.3358 | Ø3600 mm nominal diameter | m | Factory | 12.300,00 |
| 10.450.3359 | Ø3800 mm nominal diameter | m | Factory | 14.000,00 |
| 10.450.3360 | Ø4000 mm nominal diameter | m | Factory | 15.500,00 |
| | **Resistance to 10 ATM of pressure (SN 2500)** | | | |
| 10.450.3381 | Ø300 mm nominal diameter | m | Factory | 245,00 |
| 10.450.3382 | Ø400 mm nominal diameter | m | Factory | 375,00 |
| 10.450.3383 | Ø600 mm nominal diameter | m | Factory | 530,00 |
| 10.450.3384 | Ø800 mm nominal diameter | m | Factory | 790,00 |
| 10.450.3385 | Ø1,000 mm nominal diameter | m | Factory | 1.070,00 |
| 10.450.3386 | Ø1200 mm nominal diameter | m | Factory | 1.420,00 |
| 10.450.3387 | Ø1400 mm nominal diameter | m | Factory | 1.880,00 |
| 10.450.3388 | Ø1600 mm nominal diameter | m | Factory | 2.320,00 |
| 10.450.3389 | Ø1800 mm nominal diameter | m | Factory | 2.850,00 |
| 10.450.3390 | Ø2000 mm nominal diameter | m | Factory | 3.500,00 |
| 10.450.3391 | Ø2200 mm nominal diameter | m | Factory | 4.100,00 |
| 10.450.3392 | Ø2400 mm nominal diameter | m | Factory | 4.800,00 |
| 10.450.3393 | Ø2600 mm nominal diameter | m | Factory | 5.700,00 |
| 10.450.3394 | Ø2800 mm nominal diameter | m | Factory | 6.600,00 |
| 10.450.3395 | Ø3000 mm nominal diameter | m | Factory | 7.500,00 |
| 10.450.3396 | Ø3200 mm nominal diameter | m | Factory | 9.600,00 |
| 10.450.3397 | Ø3400 mm nominal diameter | m | Factory | 11.000,00 |
| 10.450.3398 | Ø3600 mm nominal diameter | m | Factory | 12.500,00 |
| 10.450.3399 | Ø3800 mm nominal diameter | m | Factory | 14.200,00 |
| 10.450.3400 | Ø4000 mm nominal diameter | m | Factory | 15.800,00 |
| | **Resistance to 16 ATM of pressure (SN 2500)** | | | |
| 10.450.3421 | Ø300 mm nominal diameter | m | Factory | 285,00 |
| 10.450.3422 | Ø400 mm nominal diameter | m | Factory | 410,00 |
| 10.450.3423 | Ø600 mm nominal diameter | m | Factory | 600,00 |
| 10.450.3424 | Ø800 mm nominal diameter | m | Factory | 860,00 |
| 10.450.3425 | Ø1,000 mm nominal diameter | m | Factory | 1.230,00 |
| 10.450.3426 | Ø1200 mm nominal diameter | m | Factory | 1.640,00 |
| 10.450.3427 | Ø1400 mm nominal diameter | m | Factory | 2.160,00 |
| 10.450.3428 | Ø1600 mm nominal diameter | m | Factory | 2.700,00 |
| 10.450.3429 | Ø1800 mm nominal diameter | m | Factory | 3.400,00 |
| 10.450.3430 | Ø2000 mm nominal diameter | m | Factory | 4.100,00 |
| 10.450.3431 | Ø2200 mm nominal diameter | m | Factory | 4.900,00 |
| 10.450.3432 | Ø2400 mm nominal diameter | m | Factory | 5.700,00 |
| 10.450.3433 | Ø2600 mm nominal diameter | m | Factory | 6.700,00 |
| 10.450.3434 | Ø2800 mm nominal diameter | m | Factory | 7.700,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3435 | Ø3000 mm nominal diameter | m | Factory | 8.800,00 |
| | **Resistance to 20 ATM of pressure (SN 2500)** | | | |
| 10.450.3461 | Ø300 mm nominal diameter | m | Factory | 350,00 |
| 10.450.3462 | Ø400 mm nominal diameter | m | Factory | 450,00 |
| 10.450.3463 | Ø600 mm nominal diameter | m | Factory | 630,00 |
| 10.450.3464 | Ø800 mm nominal diameter | m | Factory | 890,00 |
| 10.450.3465 | Ø1,000 mm nominal diameter | m | Factory | 1.240,00 |
| 10.450.3466 | Ø1200 mm nominal diameter | m | Factory | 1.760,00 |
| 10.450.3467 | Ø1400 mm nominal diameter | m | Factory | 2.340,00 |
| 10.450.3468 | Ø1600 mm nominal diameter | m | Factory | 3.200,00 |
| 10.450.3469 | Ø1800 mm nominal diameter | m | Factory | 3.880,00 |
| 10.450.3470 | Ø2000 mm nominal diameter | m | Factory | 4.700,00 |
| | **Resistance to 4 ATM of pressure (SN 5000)** | | | |
| 10.450.3501 | Ø300 mm nominal diameter | m | Factory | 220,00 |
| 10.450.3502 | Ø400 mm nominal diameter | m | Factory | 320,00 |
| 10.450.3503 | Ø600 mm nominal diameter | m | Factory | 540,00 |
| 10.450.3504 | Ø800 mm nominal diameter | m | Factory | 850,00 |
| 10.450.3505 | Ø1,000 mm nominal diameter | m | Factory | 1.190,00 |
| 10.450.3506 | Ø1200 mm nominal diameter | m | Factory | 1.550,00 |
| 10.450.3507 | Ø1400 mm nominal diameter | m | Factory | 2.070,00 |
| 10.450.3508 | Ø1600 mm nominal diameter | m | Factory | 2.590,00 |
| 10.450.3509 | Ø1800 mm nominal diameter | m | Factory | 3.200,00 |
| 10.450.3510 | Ø2000 mm nominal diameter | m | Factory | 3.800,00 |
| 10.450.3511 | Ø2200 mm nominal diameter | m | Factory | 4.500,00 |
| 10.450.3512 | Ø2400 mm nominal diameter | m | Factory | 5.400,00 |
| 10.450.3513 | Ø2600 mm nominal diameter | m | Factory | 6.300,00 |
| 10.450.3514 | Ø2800 mm nominal diameter | m | Factory | 7.400,00 |
| 10.450.3515 | Ø3000 mm nominal diameter | m | Factory | 8.300,00 |
| 10.450.3516 | Ø3200 mm nominal diameter | m | Factory | 10.100,00 |
| 10.450.3517 | Ø3400 mm nominal diameter | m | Factory | 11.500,00 |
| 10.450.3518 | Ø3600 mm nominal diameter | m | Factory | 13.200,00 |
| 10.450.3519 | Ø3800 mm nominal diameter | m | Factory | 15.000,00 |
| 10.450.3520 | Ø4000 mm nominal diameter | m | Factory | 16.500,00 |
| | **Resistance to 6 ATM of pressure (SN 5000)** | | | |
| 10.450.3541 | Ø300 mm nominal diameter | m | Factory | 260,00 |
| 10.450.3542 | Ø400 mm nominal diameter | m | Factory | 375,00 |
| 10.450.3543 | Ø600 mm nominal diameter | m | Factory | 550,00 |
| 10.450.3544 | Ø800 mm nominal diameter | m | Factory | 860,00 |
| 10.450.3545 | Ø1,000 mm nominal diameter | m | Factory | 1.200,00 |
| 10.450.3546 | Ø1200 mm nominal diameter | m | Factory | 1.550,00 |
| 10.450.3547 | Ø1400 mm nominal diameter | m | Factory | 2.040,00 |
| 10.450.3548 | Ø1600 mm nominal diameter | m | Factory | 2.600,00 |
| 10.450.3549 | Ø1800 mm nominal diameter | m | Factory | 3.200,00 |
| 10.450.3550 | Ø2000 mm nominal diameter | m | Factory | 4.000,00 |
| 10.450.3551 | Ø2200 mm nominal diameter | m | Factory | 4.600,00 |
| 10.450.3552 | Ø2400 mm nominal diameter | m | Factory | 5.500,00 |
| 10.450.3553 | Ø2600 mm nominal diameter | m | Factory | 6.500,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3554 | Ø2800 mm nominal diameter | m | Factory | 7.500,00 |
| 10.450.3555 | Ø3000 mm nominal diameter | m | Factory | 8.500,00 |
| 10.450.3556 | Ø3200 mm nominal diameter | m | Factory | 10.400,00 |
| 10.450.3557 | Ø3400 mm nominal diameter | m | Factory | 12.000,00 |
| 10.450.3558 | Ø3600 mm nominal diameter | m | Factory | 13.700,00 |
| 10.450.3559 | Ø3800 mm nominal diameter | m | Factory | 15.600,00 |
| 10.450.3560 | Ø4000 mm nominal diameter | m | Factory | 17.300,00 |
| | **Resistance to 10 ATM of pressure (SN 5000)** | | | |
| 10.450.3581 | Ø300 mm nominal diameter | m | Factory | 280,00 |
| 10.450.3582 | Ø400 mm nominal diameter | m | Factory | 410,00 |
| 10.450.3583 | Ø600 mm nominal diameter | m | Factory | 620,00 |
| 10.450.3584 | Ø800 mm nominal diameter | m | Factory | 900,00 |
| 10.450.3585 | Ø1,000 mm nominal diameter | m | Factory | 1.240,00 |
| 10.450.3586 | Ø1200 mm nominal diameter | m | Factory | 1.630,00 |
| 10.450.3587 | Ø1400 mm nominal diameter | m | Factory | 2.100,00 |
| 10.450.3588 | Ø1600 mm nominal diameter | m | Factory | 2.700,00 |
| 10.450.3589 | Ø1800 mm nominal diameter | m | Factory | 3.300,00 |
| 10.450.3590 | Ø2000 mm nominal diameter | m | Factory | 4.000,00 |
| 10.450.3591 | Ø2200 mm nominal diameter | m | Factory | 4.800,00 |
| 10.450.3592 | Ø2400 mm nominal diameter | m | Factory | 5.500,00 |
| 10.450.3593 | Ø2600 mm nominal diameter | m | Factory | 6.600,00 |
| 10.450.3594 | Ø2800 mm nominal diameter | m | Factory | 7.600,00 |
| 10.450.3595 | Ø3000 mm nominal diameter | m | Factory | 8.600,00 |
| 10.450.3596 | Ø3200 mm nominal diameter | m | Factory | 10.600,00 |
| 10.450.3597 | Ø3400 mm nominal diameter | m | Factory | 12.300,00 |
| 10.450.3598 | Ø3600 mm nominal diameter | m | Factory | 14.100,00 |
| 10.450.3599 | Ø3800 mm nominal diameter | m | Factory | 15.900,00 |
| 10.450.3600 | Ø4000 mm nominal diameter | m | Factory | 17.700,00 |
| | **Resistance to 16 ATM of pressure (SN 5000)** | | | |
| 10.450.3621 | Ø300 mm nominal diameter | m | Factory | 350,00 |
| 10.450.3622 | Ø400 mm nominal diameter | m | Factory | 470,00 |
| 10.450.3623 | Ø600 mm nominal diameter | m | Factory | 700,00 |
| 10.450.3624 | Ø800 mm nominal diameter | m | Factory | 990,00 |
| 10.450.3625 | Ø1,000 mm nominal diameter | m | Factory | 1.390,00 |
| 10.450.3626 | Ø1200 mm nominal diameter | m | Factory | 1.890,00 |
| 10.450.3627 | Ø1400 mm nominal diameter | m | Factory | 2.500,00 |
| 10.450.3628 | Ø1600 mm nominal diameter | m | Factory | 3.200,00 |
| 10.450.3629 | Ø1800 mm nominal diameter | m | Factory | 3.900,00 |
| 10.450.3630 | Ø2000 mm nominal diameter | m | Factory | 4.700,00 |
| 10.450.3631 | Ø2200 mm nominal diameter | m | Factory | 5.600,00 |
| 10.450.3632 | Ø2400 mm nominal diameter | m | Factory | 6.500,00 |
| 10.450.3633 | Ø2600 mm nominal diameter | m | Factory | 7.600,00 |
| 10.450.3634 | Ø2800 mm nominal diameter | m | Factory | 8.900,00 |
| 10.450.3635 | Ø3000 mm nominal diameter | m | Factory | 10.100,00 |
| | **Resistance to 20 ATM of pressure (SN 5000)** | | | |
| 10.450.3661 | Ø300 mm nominal diameter | m | Factory | 390,00 |
| 10.450.3662 | Ø400 mm nominal diameter | m | Factory | 530,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3663 | Ø600 mm nominal diameter | m | Factory | 730,00 |
| 10.450.3664 | Ø800 mm nominal diameter | m | Factory | 1.030,00 |
| 10.450.3665 | Ø1,000 mm nominal diameter | m | Factory | 1.420,00 |
| 10.450.3666 | Ø1200 mm nominal diameter | m | Factory | 2.020,00 |
| 10.450.3667 | Ø1400 mm nominal diameter | m | Factory | 2.700,00 |
| 10.450.3668 | Ø1600 mm nominal diameter | m | Factory | 3.700,00 |
| 10.450.3669 | Ø1800 mm nominal diameter | m | Factory | 4.300,00 |
| 10.450.3670 | Ø2000 mm nominal diameter | m | Factory | 5.300,00 |
| | **Resistance to 4 ATM of pressure (SN 10000)** | | | |
| 10.450.3701 | Ø300 mm nominal diameter | m | Factory | 245,00 |
| 10.450.3702 | Ø400 mm nominal diameter | m | Factory | 375,00 |
| 10.450.3703 | Ø600 mm nominal diameter | m | Factory | 630,00 |
| 10.450.3704 | Ø800 mm nominal diameter | m | Factory | 950,00 |
| 10.450.3705 | Ø1,000 mm nominal diameter | m | Factory | 1.350,00 |
| 10.450.3706 | Ø1200 mm nominal diameter | m | Factory | 1.700,00 |
| 10.450.3707 | Ø1400 mm nominal diameter | m | Factory | 2.300,00 |
| 10.450.3708 | Ø1600 mm nominal diameter | m | Factory | 2.950,00 |
| 10.450.3709 | Ø1800 mm nominal diameter | m | Factory | 3.650,00 |
| 10.450.3710 | Ø2000 mm nominal diameter | m | Factory | 4.500,00 |
| 10.450.3711 | Ø2200 mm nominal diameter | m | Factory | 5.300,00 |
| 10.450.3712 | Ø2400 mm nominal diameter | m | Factory | 6.200,00 |
| 10.450.3713 | Ø2600 mm nominal diameter | m | Factory | 7.350,00 |
| 10.450.3714 | Ø2800 mm nominal diameter | m | Factory | 8.500,00 |
| 10.450.3715 | Ø3000 mm nominal diameter | m | Factory | 9.600,00 |
| 10.450.3716 | Ø3200 mm nominal diameter | m | Factory | 11.250,00 |
| 10.450.3717 | Ø3400 mm nominal diameter | m | Factory | 12.900,00 |
| 10.450.3718 | Ø3600 mm nominal diameter | m | Factory | 14.900,00 |
| 10.450.3719 | Ø3800 mm nominal diameter | m | Factory | 16.800,00 |
| 10.450.3720 | Ø4000 mm nominal diameter | m | Factory | 18.600,00 |
| | **Resistance to 6 ATM of pressure (SN 10000)** | | | |
| 10.450.3741 | Ø300 mm nominal diameter | m | Factory | 290,00 |
| 10.450.3742 | Ø400 mm nominal diameter | m | Factory | 410,00 |
| 10.450.3743 | Ø600 mm nominal diameter | m | Factory | 640,00 |
| 10.450.3744 | Ø800 mm nominal diameter | m | Factory | 980,00 |
| 10.450.3745 | Ø1,000 mm nominal diameter | m | Factory | 1.380,00 |
| 10.450.3746 | Ø1200 mm nominal diameter | m | Factory | 1.820,00 |
| 10.450.3747 | Ø1400 mm nominal diameter | m | Factory | 2.390,00 |
| 10.450.3748 | Ø1600 mm nominal diameter | m | Factory | 3.000,00 |
| 10.450.3749 | Ø1800 mm nominal diameter | m | Factory | 3.750,00 |
| 10.450.3750 | Ø2000 mm nominal diameter | m | Factory | 4.500,00 |
| 10.450.3751 | Ø2200 mm nominal diameter | m | Factory | 5.300,00 |
| 10.450.3752 | Ø2400 mm nominal diameter | m | Factory | 6.300,00 |
| 10.450.3753 | Ø2600 mm nominal diameter | m | Factory | 7.350,00 |
| 10.450.3754 | Ø2800 mm nominal diameter | m | Factory | 8.650,00 |
| 10.450.3755 | Ø3000 mm nominal diameter | m | Factory | 9.700,00 |
| 10.450.3756 | Ø3200 mm nominal diameter | m | Factory | 11.600,00 |
| 10.450.3757 | Ø3400 mm nominal diameter | m | Factory | 13.400,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3758 | Ø3600 mm nominal diameter | m | Factory | 15.400,00 |
| 10.450.3759 | Ø3800 mm nominal diameter | m | Factory | 17.500,00 |
| 10.450.3760 | Ø4000 mm nominal diameter | m | Factory | 19.400,00 |
| | **Resistance to 10 ATM of pressure (SN 10000)** | | | |
| 10.450.3781 | Ø300 mm nominal diameter | m | Factory | 320,00 |
| 10.450.3782 | Ø400 mm nominal diameter | m | Factory | 460,00 |
| 10.450.3783 | Ø600 mm nominal diameter | m | Factory | 680,00 |
| 10.450.3784 | Ø800 mm nominal diameter | m | Factory | 1.000,00 |
| 10.450.3785 | Ø1,000 mm nominal diameter | m | Factory | 1.420,00 |
| 10.450.3786 | Ø1200 mm nominal diameter | m | Factory | 1.880,00 |
| 10.450.3787 | Ø1400 mm nominal diameter | m | Factory | 2.450,00 |
| 10.450.3788 | Ø1600 mm nominal diameter | m | Factory | 3.100,00 |
| 10.450.3789 | Ø1800 mm nominal diameter | m | Factory | 3.800,00 |
| 10.450.3790 | Ø2000 mm nominal diameter | m | Factory | 4.650,00 |
| 10.450.3791 | Ø2200 mm nominal diameter | m | Factory | 5.500,00 |
| 10.450.3792 | Ø2400 mm nominal diameter | m | Factory | 6.400,00 |
| 10.450.3793 | Ø2600 mm nominal diameter | m | Factory | 7.500,00 |
| 10.450.3794 | Ø2800 mm nominal diameter | m | Factory | 8.800,00 |
| 10.450.3795 | Ø3000 mm nominal diameter | m | Factory | 9.950,00 |
| 10.450.3796 | Ø3200 mm nominal diameter | m | Factory | 11.900,00 |
| 10.450.3797 | Ø3400 mm nominal diameter | m | Factory | 13.700,00 |
| 10.450.3798 | Ø3600 mm nominal diameter | m | Factory | 15.800,00 |
| 10.450.3799 | Ø3800 mm nominal diameter | m | Factory | 17.850,00 |
| 10.450.3800 | Ø4000 mm nominal diameter | m | Factory | 19.800,00 |
| | **Resistance to 16 ATM of pressure (SN 10000)** | | | |
| 10.450.3821 | Ø300 mm nominal diameter | m | Factory | 390,00 |
| 10.450.3822 | Ø400 mm nominal diameter | m | Factory | 520,00 |
| 10.450.3823 | Ø600 mm nominal diameter | m | Factory | 790,00 |
| 10.450.3824 | Ø800 mm nominal diameter | m | Factory | 1.150,00 |
| 10.450.3825 | Ø1,000 mm nominal diameter | m | Factory | 1.600,00 |
| 10.450.3826 | Ø1200 mm nominal diameter | m | Factory | 2.100,00 |
| 10.450.3827 | Ø1400 mm nominal diameter | m | Factory | 2.850,00 |
| 10.450.3828 | Ø1600 mm nominal diameter | m | Factory | 3.600,00 |
| 10.450.3829 | Ø1800 mm nominal diameter | m | Factory | 4.500,00 |
| 10.450.3830 | Ø2000 mm nominal diameter | m | Factory | 5.400,00 |
| 10.450.3831 | Ø2200 mm nominal diameter | m | Factory | 6.450,00 |
| 10.450.3832 | Ø2400 mm nominal diameter | m | Factory | 7.500,00 |
| 10.450.3833 | Ø2600 mm nominal diameter | m | Factory | 8.900,00 |
| 10.450.3834 | Ø2800 mm nominal diameter | m | Factory | 10.200,00 |
| 10.450.3835 | Ø3000 mm nominal diameter | m | Factory | 11.600,00 |
| | **Resistance to 20 ATM of pressure (SN 10000)** | | | |
| 10.450.3861 | Ø300 mm nominal diameter | m | Factory | 440,00 |
| 10.450.3862 | Ø400 mm nominal diameter | m | Factory | 600,00 |
| 10.450.3863 | Ø600 mm nominal diameter | m | Factory | 840,00 |
| 10.450.3864 | Ø800 mm nominal diameter | m | Factory | 1.180,00 |
| 10.450.3865 | Ø1,000 mm nominal diameter | m | Factory | 1.650,00 |
| 10.450.3866 | Ø1200 mm nominal diameter | m | Factory | 2.300,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.3867 | Ø1400 mm nominal diameter | m | Factory | 3.100,00 |
| 10.450.3868 | Ø1600 mm nominal diameter | m | Factory | 4.000,00 |
| 10.450.3869 | Ø1800 mm nominal diameter | m | Factory | 5.000,00 |
| 10.450.3870 | Ø2000 mm nominal diameter | m | Factory | 6.150,00 |
| 10.450.4000 | Dedicated parts for each diameter size | Kg | Factory | 60,00 |
| | **CONCRETE AND REINFORCED CONCRETE PIPES (with Steam-cured Bellmouth Couplings) (TS 821 EN 1916)** | | | |
| 10.450.4001 | 1500-mm-long concrete pipes with Ø150-mm inner diameter and 30-40-mm thickness | Qty | On the job | 41,00 |
| 10.450.4002 | 1500-mm-long concrete pipes with Ø200-mm inner diameter and 30-40-mm thickness | Qty | On the job | 60,00 |
| 10.450.4003 | 1500-mm-long concrete pipes with Ø300-mm inner diameter and 45-50-mm thickness | Qty | On the job | 95,00 |
| 10.450.4004 | 1500-mm-long concrete pipes with Ø400-mm inner diameter and 50-60-mm thickness | Qty | On the job | 153,00 |
| 10.450.4005 | 2000-mm-long concrete pipes with Ø500-mm inner diameter and 60-70-mm thickness | Qty | On the job | 270,00 |
| 10.450.4006 | 2000-mm-long concrete pipes with Ø600-mm inner diameter and 70-80-mm thickness | Qty | On the job | 340,00 |
| 10.450.4007 | 2000-mm-long reinforced concrete pipes with Ø800-mm inner diameter and 90-95-mm thickness | Qty | On the job | 780,00 |
| 10.450.4008 | 2000-mm-long reinforced concrete pipes with Ø1000-mm inner diameter and 105-120-mm thickness | Qty | On the job | 1.100,00 |
| 10.450.4009 | 2000-mm-long reinforced concrete pipes with Ø1200-mm inner diameter and 120-140-mm thickness | Qty | On the job | 1.500,00 |
| 10.450.4010 | 2000-mm-long reinforced concrete pipes with Ø1400-mm inner diameter and 140-160-mm thickness | Qty | On the job | 1.940,00 |
| 10.450.4021 | 1500-mm-long concrete pipes with integrated seal, Ø150-mm inner diameter and 30-40-mm thickness | Qty | On the job | 64,00 |
| 10.450.4022 | 1500-mm-long concrete pipes with integrated seal, Ø200-mm inner diameter and 30-40-mm thickness | Qty | On the job | 78,00 |
| 10.450.4023 | 1500-mm-long concrete pipes with integrated seal, Ø300-mm inner diameter and 45-50-mm thickness | Qty | On the job | 126,00 |
| 10.450.4024 | 1500-mm-long concrete pipes with integrated seal, Ø400-mm inner diameter and 50-60-mm thickness | Qty | On the job | 197,00 |
| 10.450.4025 | 2000-mm-long concrete pipes with integrated seal, Ø500-mm inner diameter and 60-70-mm thickness | Qty | On the job | 357,00 |
| 10.450.4026 | 2000-mm-long concrete pipes with integrated seal, Ø600-mm inner diameter and 70-80-mm thickness | Qty | On the job | 440,00 |
| 10.450.4027 | 2000-mm-long reinforced concrete pipes with integrated seal, Ø800-mm inner diameter and 90-100-mm thickness | Qty | On the job | 1.100,00 |
| 10.450.4028 | 2000-mm-long reinforced concrete pipes with integrated seal, Ø1000-mm inner diameter and 110-115-mm thickness | Qty | On the job | 1.280,00 |
| 10.450.4029 | 2000-mm-long reinforced concrete pipes with integrated seal, Ø1200-mm inner diameter and 135-mm thickness | Qty | On the job | 1.730,00 |
| 10.450.4030 | 2,000-mm-long reinforced concrete pipes with integrated seal, Ø1400-mm inner diameter and 140-150-mm thickness | Qty | On the job | 2.350,00 |
| | **CONCRETE INSPECTION CHAMBERS (TS EN 1917)** | | | |
| | **Inspection Chamber Base Slab (Steam-cured)** | | | |
| 10.450.4051 | Inspection Chamber Base with Ø1000-mm inner diameter and Ø200/300/400-mm Input/Output Diameter | Qty | On the job | 710,00 |
| 10.450.4052 | Inspection Chamber Base with Ø1000-mm inner diameter and Ø500/600-mm Input/Output Diameter | Qty | On the job | 930,00 |
| 10.450.4053 | Inspection Chamber Base with Ø1200-mm inner diameter and Ø200/300/400-mm Input/Output Diameter | Qty | On the job | 1.000,00 |
| 10.450.4054 | Inspection Chamber Base with Ø1200-mm inner diameter and Ø500/600-mm Input/Output Diameter | Qty | On the job | 1.240,00 |
| 10.450.4055 | Inspection Chamber Base with Ø1200-mm inner diameter and Ø800-mm Input/Output Diameter | Qty | On the job | 1.670,00 |
| 10.450.4056 | Inspection Chamber Base with Ø1200-mm inner diameter and Ø1000/1200-mm Input/Output Diameter | Qty | On the job | 2.100,00 |
| 10.450.4057 | Inspection Chamber Base with Ø1400-mm inner diameter and Ø1400-mm Input/Output Diameter | Qty | On the job | 3.000,00 |
| | **Concrete Manhole Collar (Steam-cured)** | | | |
| 10.450.4081 | Inspection chamber ring with Ø1000-mm inner diameter (13-15 cm wall thickness) (h: 350 mm) | Qty | On the job | 135,00 |
| 10.450.4082 | Inspection chamber ring with Ø1000-mm inner diameter (13-15 cm wall thickness) (h: 600 mm) | Qty | On the job | 215,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.4083 | Inspection chamber ring with Ø1200-mm inner diameter (13-15 cm wall thickness) (h: 600 mm) | Qty | On the job | 465,00 |
| 10.450.4084 | Inspection chamber ring with Ø1200-mm inner diameter (13-15 cm wall thickness) (h: 350 mm) | Qty | On the job | 295,00 |
| | **Manhole Cone (Steam-cured)** | | | |
| 10.450.4101 | Inspection Chamber Cone with Ø1000/620 inner diameter (h: 650 mm) | Qty | On the job | 295,00 |
| 10.450.4102 | Inspection Chamber Cone with Ø1200/620 inner diameter (h: 780 mm) | Qty | On the job | 465,00 |
| | **Manhole Neck Ring (Steam-cured)** | | | |
| 10.450.4111 | Inspection chamber ring with Ø620-mm inner diameter (13-15 cm wall thickness) (h: 250 mm) | Qty | On the job | 135,00 |
| | **Frame Installation Component (Steam-Cured)** | | | |
| 10.450.4121 | Inspection chamber frame installation component (h: 180 - 300 mm) | Qty | On the job | 175,00 |
| | **Manhole Base Slab (Steam-cured)** | | | |
| 10.450.4131 | Base slab with 800x800-mm internal size and Ø150/200-mm entrance (10 cm wall thickness) | Qty | On the job | 375,00 |
| | **Manhole Chamber - Riser (Steam-Cured)** | | | |
| 10.450.4141 | Manhole chamber with 800x800-mm internal size (h: 500 mm) (10 cm wall thickness) | Qty | On the job | 195,00 |
| 10.450.4142 | Manhole riser with 800x800-mm internal size (h: 250 mm) (10 cm wall thickness) | Qty | On the job | 115,00 |
| | **Manhole Cover (Steam-cured)** | | | |
| 10.450.4151 | 100x50-cm manhole cover (without frame) (10 cm wall thickness) | Qty | On the job | 115,00 |
| 10.450.4152 | 100 x 50-cm manhole cover (with frame) (10 cm wall thickness) | Qty | On the job | 230,00 |
| | **RUBBER SEALS (Hardness class 50, in compliance with TS EN 681-1)** | | | |
| | **O-ring seals** | | | |
| 10.450.4201 | Ø150 mm | Qty | On the job | 4,60 |
| 10.450.4202 | Ø200 mm | Qty | On the job | 9,60 |
| 10.450.4203 | Ø300 mm | Qty | On the job | 16,80 |
| 10.450.4204 | Ø400 mm | Qty | On the job | 19,50 |
| 10.450.4205 | Ø500 mm | Qty | On the job | 26,50 |
| 10.450.4206 | Ø600 mm | Qty | On the job | 30,10 |
| 10.450.4207 | Ø700 mm | Qty | On the job | 33,30 |
| 10.450.4208 | Ø800 mm | Qty | On the job | 42,80 |
| 10.450.4209 | Ø1000 mm | Qty | On the job | 57,40 |
| 10.450.4210 | Ø1200 mm | Qty | On the job | 68,80 |
| 10.450.4211 | Ø1400 mm | Qty | On the job | 104,00 |
| 10.450.4212 | Ø1600 mm | Qty | On the job | 119,00 |
| 10.450.4213 | Ø1800 mm | Qty | On the job | 142,00 |
| 10.450.4214 | Ø2000 mm | Qty | On the job | 176,00 |
| 10.450.4215 | Ø2200 mm | Qty | On the job | 190,00 |
| 10.450.4216 | Ø2400 mm | Qty | On the job | 207,00 |
| 10.450.4217 | Ø2600 mm | Qty | On the job | 232,00 |
| 10.450.4218 | Ø2800 mm | Qty | On the job | 245,00 |
| 10.450.4219 | Ø3000 mm | Qty | On the job | 271,00 |
| | **Single-clamped seals** | | | |
| 10.450.4231 | Ø600 mm | Qty | On the job | 35,50 |
| 10.450.4232 | Ø1000 mm | Qty | On the job | 57,50 |
| 10.450.4233 | Ø1200 mm | Qty | On the job | 73,50 |
| | **Two-clamped seals** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.4251 | Ø600 mm | Qty | On the job | 50,00 |
| 10.450.4252 | Ø1000 mm | Qty | On the job | 85,00 |
| 10.450.4253 | Ø1200 mm | Qty | On the job | 100,00 |
| 10.450.4254 | Ø1400 mm | Qty | On the job | 170,00 |
| 10.450.4255 | Ø1600 mm | Qty | On the job | 180,00 |
| 10.450.4256 | Ø1800 mm | Qty | On the job | 240,00 |
| 10.450.4257 | Ø2000 mm | Qty | On the job | 300,00 |
| 10.450.4258 | Ø2200 mm | Qty | On the job | 350,00 |
| 10.450.4259 | Ø2400 mm | Qty | On the job | 390,00 |
| 10.450.4260 | Ø2600 mm | Qty | On the job | 410,00 |
| 10.450.4261 | Ø2800 mm | Qty | On the job | 520,00 |
| 10.450.4262 | Ø3000 mm | Qty | On the job | 630,00 |
| | **Integrated seals (in compliance with TS 681-1, hardness class: 50 or 40-70 CO-EXT) (double hardness)** | | | |
| 10.450.4271 | Ø150 mm | Qty | On the job | 8,70 |
| 10.450.4272 | Ø200 mm | Qty | On the job | 10,10 |
| 10.450.4273 | Ø300 mm | Qty | On the job | 21,70 |
| 10.450.4274 | Ø400 mm | Qty | On the job | 32,70 |
| 10.450.4275 | Ø500 mm | Qty | On the job | 41,10 |
| 10.450.4276 | Ø600 mm | Qty | On the job | 49,10 |
| 10.450.4277 | Ø800 mm | Qty | On the job | 102,00 |
| 10.450.4278 | Ø1000 mm | Qty | On the job | 133,00 |
| 10.450.4279 | Ø1200 mm | Qty | On the job | 155,00 |
| 10.450.4280 | Ø1400 mm | Qty | On the job | 355,00 |
| 10.450.4281 | Ø1600 mm | Qty | On the job | 425,00 |
| 10.450.4282 | Ø1800 mm | Qty | On the job | 470,00 |
| 10.450.4283 | Ø2000 mm | Qty | On the job | 520,00 |
| 10.450.4284 | Ø2200 mm | Qty | On the job | 580,00 |
| | **PE-BASED MANHOLE OR INSPECTION CHAMBER COMPONENTS (TS EN 13598-2)** | | | |
| 10.450.4301 | PE-based manhole or inspection chamber cover, Ø600 mm in nominal diameter (Regular, Locked, Sealed type, including installation components) (TS EN 124-6 - A15) | Qty | On the job | 360,00 |
| 10.450.4302 | PE-based Manhole or Inspection Chamber neck ring, Ø600 mm in nominal diameter (H=0.40 m) | Qty | On the job | 505,00 |
| 10.450.4303 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø600 mm in nominal diameter (H=0.80 m) - Outlet 200 mm | Qty | On the job | 750,00 |
| 10.450.4311 | PE-based Street Outlet Ø400 mm in nominal diameter - Street manhole with 200 mm outlet | Qty | On the job | 630,00 |
| 10.450.4312 | PE-based Street Outlet Ø400 mm in nominal diameter - Street manhole with 200 mm outlet - Bottom outlet | Qty | On the job | 630,00 |
| 10.450.4313 | PE-based House Connection Manhole in Ø400 mm nominal diameter, 1 Entrance / 1 Exit - 200/160 mm (H=0.80 m) | Qty | On the job | 390,00 |
| 10.450.4314 | PE-based House Connection Manhole in Ø400 mm nominal diameter, 3 Entrance / 1 Exit - 200/160 mm (H=0.80 m) | Qty | On the job | 390,00 |
| 10.450.4315 | PE-based house connection manhole cover that is Ø400 mm in diameter (Regular, Locked, Sealed type, including installation components) (TS EN 124-6 - B125) | Qty | On the job | 350,00 |
| 10.450.4331 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.80 m) | Qty | On the job | 790,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.4332 | Prefabricated chamber ring with steps for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.50 m) | Qty | On the job | 810,00 |
| 10.450.4333 | Prefabricated chamber ring with steps for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=1.00 m) | Qty | On the job | 1.230,00 |
| 10.450.4334 | Prefabricated stepped taper for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.45 m) | Qty | On the job | 740,00 |
| 10.450.4335 | Prefabricated stepped taper for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.70 m) | Qty | On the job | 870,00 |
| 10.450.4336 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.80 m) - Exit 300/200 mm | Qty | On the job | 870,00 |
| 10.450.4337 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.80 m) - Entrance 300/200 mm - Exit 300/200 mm | Qty | On the job | 870,00 |
| 10.450.4338 | Prefabricated base slab for PE-based Inspection Chamber Ø800 mm in nominal diameter (H=0.80 m) - Entrance 300/200 mm - Exit 300/200 mm (15, 30, 45, 75, 90 etc. degrees of angles) | Qty | On the job | 870,00 |
| 10.450.4351 | Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=1.00 m) | Qty | On the job | 1.370,00 |
| 10.450.4352 | Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1,000 mm in nominal diameter (H=0.50 m) | Qty | On the job | 1.060,00 |
| 10.450.4353 | Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1,000 mm in nominal diameter (H=1.00 m) | Qty | On the job | 1.750,00 |
| 10.450.4354 | Prefabricated taper with steps for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) | Qty | On the job | 1.200,00 |
| 10.450.4355 | Prefabricated taper with steps for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=1.00 m) | Qty | On the job | 1.400,00 |
| 10.450.4356 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) - Entrance 300/200 mm - Exit 300/200 mm | Qty | On the job | 1.230,00 |
| 10.450.4357 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) - Entrance 500/400 mm - Exit 500/400 mm | Qty | On the job | 1.230,00 |
| 10.450.4358 | Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) - Entrance 300/200 mm - Exit 300/200 mm (15, 30, 45, 75, 90 etc. degrees of angles) | Qty | On the job | 1.230,00 |
| 10.450.4359 | Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) - Entrance 500/400 mm - Exit 500/400 mm (15, 30, 45, 75, 90 etc. degrees of angles) | Qty | On the job | 1.230,00 |
| 10.450.4360 | Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 mm) | Qty | On the job | 1.000,00 |
| 10.450.4361 | Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 mm) - 3 Entrances, 300/200 mm - 1 Exit, 300/200 mm | Qty | On the job | 1.230,00 |
| 10.450.4362 | Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 mm) - 3 Entrances 500/400 mm - 1 Exit 500/400 mm | Qty | On the job | 1.230,00 |
| 10.450.4381 | Prefabricated base slab for PE-based Inspection Chamber Ø1250 mm in nominal diameter (H=1.25 m) | Qty | On the job | 2.280,00 |
| 10.450.4382 | Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1,250 mm in nominal diameter (H=0.50 m) | Qty | On the job | 1.570,00 |
| 10.450.4383 | Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1,250 mm in nominal diameter (H=1.00 m) | Qty | On the job | 2.750,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.4384 | Prefabricated taper with steps for PE-based Inspection Chamber Ø1250 mm in nominal diameter (H=0.75 m) | Qty | On the job | 1.730,00 |
| 10.450.4385 | Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø1250 mm in nominal diameter (H=1.00 m) | Qty | On the job | 2.020,00 |
| | **CELLULAR FILLING SYSTEM (HDPE-based - Perforated/Unperforated) (TS EN 13251) Wall Thickness (mm) / Welding Interval (cm) / Height (cm)** | | | |
| 10.450.5001 | 1.5 mm / 33 cm / 5 cm | m² | On the job | 28,00 |
| 10.450.5002 | 1.5 mm / 33 cm / 7.5 cm | m² | On the job | 42,00 |
| 10.450.5003 | 1.5 mm / 33 cm / 10 cm | m² | On the job | 56,00 |
| 10.450.5004 | 1.5 mm / 33 cm / 12 cm | m² | On the job | 67,00 |
| 10.450.5005 | 1.5 mm / 33 cm / 15 cm | m² | On the job | 84,00 |
| 10.450.5006 | 1.5 mm / 33 cm / 20 cm | m² | On the job | 110,00 |
| 10.450.5011 | 1.5 mm / 35-36 cm / 5 cm | m² | On the job | 26,00 |
| 10.450.5012 | 1.5 mm / 35-36 cm / 7.5 cm | m² | On the job | 39,00 |
| 10.450.5013 | 1.5 mm / 35-36 cm / 10 cm | m² | On the job | 53,00 |
| 10.450.5014 | 1.5 mm / 35-36 cm / 12 cm | m² | On the job | 63,00 |
| 10.450.5015 | 1.5 mm / 35-36 cm / 15 cm | m² | On the job | 78,00 |
| 10.450.5016 | 1.5 mm / 35-36 cm / 20 cm | m² | On the job | 105,00 |
| 10.450.5021 | 1.5 mm / 40 cm / 5 cm | m² | On the job | 22,00 |
| 10.450.5022 | 1.5 mm / 40 cm / 7.5 cm | m² | On the job | 33,00 |
| 10.450.5023 | 1.5 mm / 40 cm / 10 cm | m² | On the job | 45,00 |
| 10.450.5024 | 1.5 mm / 40 cm / 12 cm | m² | On the job | 53,00 |
| 10.450.5025 | 1.5 mm / 40 cm / 15 cm | m² | On the job | 65,00 |
| 10.450.5026 | 1.5 mm / 40 cm / 20 cm | m² | On the job | 90,00 |
| 10.450.5031 | 1.5 mm / 44-45 cm / 5 cm | m² | On the job | 19,50 |
| 10.450.5032 | 1.5 mm / 44-45 cm / 7.5 cm | m² | On the job | 29,50 |
| 10.450.5033 | 1.5 mm / 44-45 cm / 10 cm | m² | On the job | 39,00 |
| 10.450.5034 | 1.5 mm / 44-45 cm / 12 cm | m² | On the job | 47,50 |
| 10.450.5035 | 1.5 mm / 44-45 cm / 15 cm | m² | On the job | 59,00 |
| 10.450.5036 | 1.5 mm / 44-45 cm / 20 cm | m² | On the job | 78,50 |
| 10.450.5041 | 1.5 mm / 60 cm / 5 cm | m² | On the job | 15,50 |
| 10.450.5042 | 1.5 mm / 60 cm / 7.5 cm | m² | On the job | 22,50 |
| 10.450.5043 | 1.5 mm / 60 cm / 10 cm | m² | On the job | 30,00 |
| 10.450.5044 | 1.5 mm / 60 cm / 12 cm | m² | On the job | 36,50 |
| 10.450.5045 | 1.5 mm / 60 cm / 15 cm | m² | On the job | 45,00 |
| 10.450.5046 | 1.5 mm / 60 cm / 20 cm | m² | On the job | 60,00 |
| 10.450.5051 | 1.5 mm / 65-66 cm / 5 cm | m² | On the job | 14,00 |
| 10.450.5052 | 1.5 mm / 65-66 cm / 7.5 cm | m² | On the job | 21,00 |
| 10.450.5053 | 1.5 mm / 65-66 cm / 10 cm | m² | On the job | 28,00 |
| 10.450.5054 | 1.5 mm / 65-66 cm / 12 cm | m² | On the job | 33,50 |
| 10.450.5055 | 1.5 mm / 65-66 cm / 15 cm | m² | On the job | 42,00 |
| 10.450.5056 | 1.5 mm / 65-66 cm / 20 cm | m² | On the job | 56,00 |
| | **COMPOSITE DRAINAGE COVER (TS EN 13257) (With Polypropylene Geotextile Felt Lamination on HDPE grating)** | | | |
| 10.450.5101 | HDPE grating 500 g/m² + single-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 17,00 |
| 10.450.5102 | HDPE grating 600 g/m² + single-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 19,00 |
| 10.450.5103 | HDPE grating 700 g/m² + single-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 21,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.5104 | HDPE grating 800 g/m² + single-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 23,00 |
| 10.450.5121 | HDPE grating 500 g/m² + two-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 23,00 |
| 10.450.5122 | HDPE grating 600 g/m² + two-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 25,00 |
| 10.450.5123 | HDPE grating 700 g/m² + two-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 26,50 |
| 10.450.5124 | HDPE grating 800 g/m² + two-side 200 g/m² Geotextile Felt Laminated | m² | On the job | 29,50 |
| | **GEOSYNTHETIC CLAY COVER (TS EN 13361 - TS EN 13362)** | | | |
| | **Bottom Layer 100 g/m² PP Braided Geotextile<br>Top Layer 200 g/m² PP Unbraided Geotextile** | | | |
| 10.450.5151 | Geosynthetic Clay Cover, Total Weight: 4500 g/m² | m² | On the job | 24,00 |
| 10.450.5152 | Geosynthetic Clay Cover, Total Weight: 5500 g/m² | m² | On the job | 25,00 |
| 10.450.5153 | Geosynthetic Clay Cover, Total Weight: 6500 g/m² | m² | On the job | 26,50 |
| | **Bottom Layer 200 g/m² PP Braided Geotextile<br>Top Layer 300 g/m² PP Unbraided Geotextile** | | | |
| 10.450.5171 | Geosynthetic Clay Cover, Total Weight: 4500 g/m² | m² | On the job | 29,50 |
| 10.450.5172 | Geosynthetic Clay Cover, Total Weight: 5500 g/m² | m² | On the job | 31,00 |
| 10.450.5173 | Geosynthetic Clay Cover, Total Weight: 6500 g/m² | m² | On the job | 32,00 |
| | **GEOGRID GROUND REINFORCEMENT SYSTEMS<br>(TS EN 13251)** | | | |
| | **EXTRUDED GEOGRID GROUND REINFORCEMENT SYSTEMS<br>(Other values shall be interpolated)** | | | |
| 10.450.5201 | Pore Size: 40*40 mm<br>Tensile Strength: 10 kn/m (in both directions) | m² | On the job | 13,50 |
| 10.450.5202 | Pore Size: 40*40 mm<br>Tensile Strength: 20 kn/m (in both directions) | m² | On the job | 18,50 |
| 10.450.5203 | Pore Size: 40*40 mm<br>Tensile Strength: 30 kn/m (in both directions) | m² | On the job | 22,00 |
| 10.450.5204 | Pore Size: 40*40 mm<br>Tensile Strength: 40 kn/m (in both directions) | m² | On the job | 25,00 |
| | **Polyester Fiber Geogrid Ground Reinforcement Systems with Seams and Covered with Polymer<br>(Other values shall be interpolated)** | | | |
| 10.450.5231 | Tensile Strength in the Direction of Production: 40 kn/m | m² | On the job | 32,50 |
| 10.450.5232 | Tensile Strength in the Direction of Production: 60 kn/m | m² | On the job | 35,00 |
| 10.450.5233 | Tensile Strength in the Direction of Production: 80 kn/m | m² | On the job | 38,00 |
| 10.450.5234 | Tensile Strength in the Direction of Production: 100 kn/m | m² | On the job | 45,00 |
| 10.450.5235 | Tensile Strength in the Direction of Production: 120 kn/m | m² | On the job | 57,50 |
| 10.450.5236 | Tensile Strength in the Direction of Production: 150 kn/m | m² | On the job | 66,00 |
| 10.450.5237 | Tensile Strength in the Direction of Production: 200 kn/m | m² | On the job | 78,50 |
| 10.450.5238 | Tensile Strength in the Direction of Production: 300 kn/m | m² | On the job | 94,00 |
| 10.450.5239 | Tensile Strength in the Direction of Production: 400 kn/m | m² | On the job | 117,00 |
| 10.450.5240 | Tensile Strength in the Direction of Production: 600 kn/m | m² | On the job | 175,00 |
| 10.450.5251 | Tensile Strength: 20 kn/m (in both directions) | m² | On the job | 29,50 |
| 10.450.5252 | Tensile Strength: 30 kn/m (in both directions) | m² | On the job | 31,50 |
| 10.450.5253 | Tensile Strength: 40 kn/m (in both directions) | m² | On the job | 33,50 |
| 10.450.5254 | Tensile Strength: 60 kn/m (in both directions) | m² | On the job | 36,50 |
| 10.450.5255 | Tensile Strength: 80 kn/m (in both directions) | m² | On the job | 43,50 |
| 10.450.5256 | Tensile Strength: 100 kn/m (in both directions) | m² | On the job | 54,50 |
| 10.450.5257 | Tensile Strength: 120 kn/m (in both directions) | m² | On the job | 63,00 |
| 10.450.5258 | Tensile Strength: 150 kn/m (in both directions) | m² | On the job | 78,50 |
| | **PRECAST, PRESTRESSED, HOLLOW CONCRETE COMPONENTS** | | | |
| | **Carrier Flooring Components** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.450.9501 | 12-cm-thick, precast, prestressed, hollow carrier flooring component | m² | Factory | 372,00 |
| 10.450.9502 | 16-cm-thick, precast, prestressed, hollow carrier flooring component | m² | Factory | 387,00 |
| 10.450.9503 | 20-cm-thick, precast, prestressed, hollow carrier flooring component | m² | Factory | 395,00 |
| 10.450.9504 | 20-cm-thick, precast, prestressed, hollow heavy load carrier flooring component (exposed to loads above 350 kg/m²) | m² | Factory | 480,00 |
| 10.450.9505 | 24-cm-thick, precast, prestressed, hollow carrier flooring component | m² | Factory | 520,00 |
| 10.450.9506 | 24-cm-thick, precast, prestressed, hollow heavy load carrier flooring component (exposed to loads above 500 kg/m²) | m² | Factory | 600,00 |
| | **Precast, prestressed, hollow partition (wall) component** | | | |
| 10.450.9521 | 12-cm-thick, precast, prestressed, hollow partition (wall) component | m² | Factory | 344,00 |
| 10.450.9522 | 16-cm-thick, precast, prestressed, hollow partition (wall) component | m² | Factory | 384,00 |
| | **BENTONITES** | | | |
| 10.450.9601 | Bentonite (TS EN ISO 13500) | Tons | On the job | 700,00 |
| 10.450.9602 | Injection Bentonite<br>(TS EN ISO 13500) | Tons | On the job | 970,00 |
| | **GARDENING AND LANDSCAPING MATERIALS** | | | |
| | **CONCRETE PAVING BLOCKS (TS 2824 EN 1338)**<br>**(Characteristic tensile splitting strength (T) > 3.6 MPa Breaking load > 250 N/mm)**<br>**(Every color and size)** | | | |
| | **White cement** | | | |
| 10.480.1001 | 6 cm height | m² | On the job | 56,00 |
| 10.480.1002 | 8 cm height | m² | On the job | 61,00 |
| 10.480.1003 | 10 cm height | m² | On the job | 66,00 |
| | **Ordinary (Portland) cement** | | | |
| 10.480.1011 | 6 cm height | m² | On the job | 51,00 |
| 10.480.1012 | 8 cm height | m² | On the job | 56,00 |
| 10.480.1013 | 10 cm height | m² | On the job | 61,00 |
| | Note: Certificate of Compliance with Turkish Standards for the aforementioned materials shall be requested with the payment receipt. The administration shall have the required tests conducted if it considers necessary | | | |
| | **CONCRETE LAWN BLOCKS (TS 2824 EN 1338)**<br>**(Characteristic tensile splitting strength (T) > 3.6 MPa Breaking load > 250 N/mm)**<br>**(Every color and size)** | | | |
| | **White cement** | | | |
| 10.480.1021 | 8 cm height | m² | On the job | 76,00 |
| 10.480.1022 | 10 cm height | m² | On the job | 85,00 |
| | **Ordinary (Portland) cement** | | | |
| 10.480.1031 | 8 cm height | m² | On the job | 71,00 |
| 10.480.1032 | 10 cm height | m² | On the job | 80,00 |
| | Note: Certificate of Compliance with Turkish Standards for the aforementioned materials shall be requested with the payment receipt. The administration shall have the required tests conducted if it considers necessary | | | |
| | **CONCRETE CURBS (chamfered, colored)**<br>**TS 436 EN 1340** | | | |
| | **Characteristic bending strength ≥ 3.5 MPa** | | | |
| | **White cement** | | | |
| 10.480.1041 | 50 x 20 x 10 cm | m | On the job | 39,00 |
| 10.480.1042 | 75 x 30 x 15 cm | m | On the job | 44,00 |
| | **Ordinary (Portland) cement** | | | |
| 10.480.1051 | 50 x 20 x 10 cm | m | On the job | 34,00 |
| 10.480.1052 | 75 x 30 x 15 cm | m | On the job | 39,00 |
| | **Characteristic bending strength ≥ 4.0 MPa** | | | |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **White cement** | | | |
| 10.480.1061 | 50 x 20 x 10 cm | m | On the job | 49,00 |
| 10.480.1062 | 75 x 30 x 15 cm | m | On the job | 53,00 |
| | **Ordinary (Portland) cement** | | | |
| 10.480.1071 | 50 x 20 x 10 cm | m | On the job | 42,00 |
| 10.480.1072 | 75 x 30 x 15 cm | m | On the job | 49,00 |
| | **Characteristic bending strength ≥ 5.0 MPa** | | | |
| | **White cement** | | | |
| 10.480.1081 | 50 x 20 x 10 cm | m | On the job | 58,00 |
| 10.480.1082 | 75 x 30 x 15 cm | m | On the job | 63,00 |
| | **Ordinary (Portland) cement** | | | |
| 10.480.1091 | 50 x 20 x 10 cm | m | On the job | 53,00 |
| 10.480.1092 | 75 x 30 x 15 cm | m | On the job | 58,00 |
| | Note: Certificate of Compliance for the aforementioned materials with Turkish Standards shall be requested with the payment receipt. The administration shall have the required tests conducted if it considers necessary | | | |
| | **CONCRETE GUTTER STONE (every color)**<br>**TS 436 EN 1340** | | | |
| | **White cement** | | | |
| 10.480.1101 | 30 x 10 x Free in cm | m | On the job | 54,00 |
| | **Ordinary (Portland) cement** | | | |
| 10.480.1111 | 30 x 10 x Free in cm | m | On the job | 49,00 |
| | **NATURAL PAVING STONES (TS EN 1342)**<br>**(Natural crushed cube stone, width x length x height)** | | | |
| 10.480.1201 | Andesite paving stone (8 x 10 x 10 cm) | Tons | On the job | 280,00 |
| 10.480.1202 | Andesite paving stone (10 x 10 x 10 cm) | Tons | On the job | 280,00 |
| 10.480.1203 | Granite paving stone (8 x 10 x 10 cm) | Tons | On the job | 270,00 |
| 10.480.1204 | Granite paving stone (10 x 10 x 10 cm) | Tons | On the job | 270,00 |
| 10.480.1205 | Basalt paving stone (8 x 10 x 10 cm) | Tons | On the job | 390,00 |
| 10.480.1206 | Basalt paving stone (10 x 10 x 10 cm) | Tons | On the job | 390,00 |
| | **IMPACT-ABSORBING SURFACE COATING**<br>**(TS EN 1176-1, TS EN 1177+AC)** | | | |
| 10.480.1251 | Block anti-static rubber flooring<br>2-cm thick | m² | On the job | 84,00 |
| 10.480.1252 | Block anti-static rubber flooring<br>3-cm thick | m² | On the job | 110,00 |
| 10.480.1253 | Block anti-static rubber flooring<br>4-cm thick | m² | On the job | 135,00 |
| 10.480.1300 | Block rubber curb (17x14x100cm) | m | On the job | 88,00 |
| | **TYPE M READY-MADE DRAINAGE CHANNELS (TS EN 1433)**<br>**(CONCRETE WITH SYNTHETIC RESIN BINDER)** | | | |
| | **A) Group 1 (minimum Class A 15)**<br><br>**Areas used by pedestrians and cyclists only**<br>**(min. width x length x min. height) (mm)** | | | |
| 10.480.1301 | 100 x 1,000 x 60 | m | On the job | 88,00 |
| 10.480.1302 | 100 x 1,000 x 80 | m | On the job | 120,00 |
| 10.480.1303 | 100 x 1,000 x 150 | m | On the job | 160,00 |
| 10.480.1304 | 100 x 1,000 x 200 | m | On the job | 205,00 |
| | **B) Group 2 (minimum Class B 125)**<br><br>**Sidewalks or pedestrian areas and similar other areas, private parking lots or multi-story parking lots.**<br>**(min. width x length x min. height) (mm)** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.480.1311 | 125 x 1,000 x 60 | m | On the job | 96,00 |
| 10.480.1312 | 125 x 1000 x 80 | m | On the job | 140,00 |
| 10.480.1313 | 125 x 1,000 x 150 | m | On the job | 190,00 |
| 10.480.1314 | 125 x 1,000 x 200 | m | On the job | 245,00 |
| | **C) Group 3 (minimum Class C 250)**<br><br>**Curb sides or non-traffic hard shoulder areas, etc.**<br>**(min. width x length x min. height) (mm)** | | | |
| 10.480.1321 | 200 x 1,000 x 60 | m | On the job | 125,00 |
| 10.480.1322 | 200 x 1,000 x 80 | m | On the job | 175,00 |
| 10.480.1323 | 200 x 1,000 x 125 | m | On the job | 205,00 |
| 10.480.1324 | 200 x 1,000 x 200 | m | On the job | 290,00 |
| 10.480.1325 | 200 x 1,000 x 250 | m | On the job | 370,00 |
| | **D) Group 4 (minimum Class D 400)**<br><br>**Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types.**<br>**(min. width x length x min. height) (mm)** | | | |
| 10.480.1331 | 200 x 1,000 x 60 | m | On the job | 142,00 |
| 10.480.1332 | 200 x 1,000 x 80 | m | On the job | 187,00 |
| 10.480.1333 | 200 x 1,000 x 125 | m | On the job | 225,00 |
| 10.480.1334 | 200 x 1,000 x 200 | m | On the job | 320,00 |
| 10.480.1335 | 200 x 1,000 x 250 | m | On the job | 390,00 |
| 10.480.1336 | 300 x 1,000 x 80 | m | On the job | 200,00 |
| 10.480.1337 | 300 x 1,000 x 150 | m | On the job | 375,00 |
| 10.480.1338 | 300 x 1,000 x 250 | m | On the job | 590,00 |
| | **E) Group 5 (minimum Class E 600)**<br><br>**Areas such as port and dock sides, which are exposed to excessive wheel loads.**<br>**(min. width x length x min. height) (mm)** | | | |
| 10.480.1351 | 300 x 1,000 x 80 | m | On the job | 230,00 |
| 10.480.1352 | 300 x 1,000 x 150 | m | On the job | 450,00 |
| 10.480.1353 | 300 x 1,000 x 250 | m | On the job | 670,00 |
| | **F) Group 6 (minimum Class F 900)**<br><br>**Surfacing of areas such as airport runways, which are exposed to excessive wheel loads.**<br>**(min. width x length x min. height) (mm)** | | | |
| 10.480.1361 | 200 x 1,000 x 250 | m | On the job | 540,00 |
| 10.480.1362 | 350 x 1,000 x 400 | m | On the job | 1.100,00 |
| | **GRATING SETS**<br>**(TS EN 124-1, TS EN 124-2, TS EN 124-3)** | | | |
| 10.480.1401 | Stainless Steel Grating Set<br>(including installation and fittings)<br>(Group 1 (min. Class A 15) Only for areas used by pedestrians and cyclists) | m² | On the job | 3.900,00 |
| 10.480.1402 | Galvanized Sheet Metal Grating Set<br>(including installation and fittings)<br>(Group 1 (min. Class A 15) Only for areas used by pedestrians and cyclists) | m² | On the job | 2.600,00 |
| 10.480.1403 | Nodular Cast Grating Set<br>(including installation and fittings)<br>(Group 1 (min. Class A 15) Only for areas used by pedestrians and cyclists) | m² | On the job | 2.400,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.480.1404 | Reinforced Concrete Grating Set<br>(including installation and fittings)<br>(Group 1 (min. Class A 15) Only for areas used by pedestrians and cyclists) | m² | On the job | 3.000,00 |
| 10.480.1405 | CTP Composite Grating Set<br>(including installation and fittings)<br>(Group 1 (min. Class A 15) Only for areas used by pedestrians and cyclists) | m² | On the job | 1.450,00 |
| 10.480.1411 | Stainless Steel Grating Set<br>(including installation and fittings)<br>(For Group 2 (min. Class B 125) Sidewalks or pedestrian areas and similar other areas, private parking lots or multi-story parking lots) | m² | On the job | 4.500,00 |
| 10.480.1412 | Galvanized Sheet Metal Grating Set<br>(including installation and fittings)<br>(For Group 2 (min. Class B 125) Sidewalks or pedestrian areas and similar other areas, private parking lots or multi-story parking lots) | m² | On the job | 3.000,00 |
| 10.480.1413 | Nodular Cast Grating Set<br>(including installation and fittings)<br>(For Group 2 (min. Class B 125) Sidewalks or pedestrian areas and similar other areas, private parking lots or multi-story parking lots) | m² | On the job | 2.850,00 |
| 10.480.1414 | Reinforced Concrete Grating Set<br>(including installation and fittings)<br>(For Group 2 (min. Class B 125) Sidewalks or pedestrian areas and similar other areas, private parking lots or multi-story parking lots) | m² | On the job | 3.150,00 |
| 10.480.1415 | CTP Composite Grating Set<br>(including installation and fittings)<br>(For Group 2 (min. Class B 125) Sidewalks or pedestrian areas and similar other areas, private parking lots or multi-story parking lots) | m² | On the job | 2.200,00 |
| 10.480.1423 | Nodular Cast Grating Set<br>(including installation and fittings)<br>(For Group 3 (min. Class C 250 Curb sides or non-traffic hard shoulder areas, etc.) | m² | On the job | 3.150,00 |
| 10.480.1424 | Reinforced Concrete Grating Set<br>(including installation and fittings)<br>(For Group 3 (min. Class C 250 Curb sides or non-traffic hard shoulder areas, etc.) | m² | On the job | 3.300,00 |
| 10.480.1425 | CTP Composite Grating Set<br>(including installation and fittings)<br>(For Group 3 (min. Class C 250 Curb sides or non-traffic hard shoulder areas, etc.) | m² | On the job | 3.000,00 |
| 10.480.1433 | Nodular Cast Grating Set<br>(including installation and fittings)<br>(For Group 4 (min. Class F 400 Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types) | m² | On the job | 4.150,00 |
| 10.480.1434 | Reinforced Concrete Grating Set<br>(including installation and fittings)<br>(For Group 4 (min. Class F 400 Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types) | m² | On the job | 3.400,00 |
| 10.480.1435 | CTP Composite Grating Set<br>(including installation and fittings)<br>(For Group 4 (min. Class F 400 Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types) | m² | On the job | 3.600,00 |
| 10.480.1443 | Nodular Cast Grating Set<br>(including installation and fittings)<br>(For Group 5 (min. Class E 600) Areas such as port and dock sides, which are exposed to excessive wheel loads) | m² | On the job | 7.200,00 |
| 10.480.1453 | Nodular Cast Grating Set<br>(including installation and fittings)<br>(For Group 6 (min. Class F 900) Surfacing of areas such as airport runways, which are exposed to excessive wheel loads) | m² | On the job | 11.700,00 |
| | **MANHOLE COVER, GRATING, ETC.** | | | |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.480.1471 | Pig iron grating cover drainage ditch, pile shoe | Kg | On the job | 7,60 |
| 10.480.1481 | Glass fiber-reinforced composite maintenance manhole covering component<br>(TS EN 124-1, TS EN 124-5)<br>(Road pavements, pedestrian-only streets including pedestrian-only streets, hard shoulders and parking lots for all vehicle types)<br>(including covers, frames, and fittings such as universal joints, etc.) (minimum Ø600 mm net opening)<br>(Group 4 Minimum D 400 class) | Qty | On the job | 1.000,00 |
| 10.480.1482 | Reinforced concrete composite maintenance manhole covering component<br>(TS EN 124-1, TS EN 124-4)<br>(Road pavements, pedestrian-only streets including pedestrian-only streets, hard shoulders and parking lots for all vehicle types)<br>(including covers, frames, and fittings such as universal joints, etc.) (minimum Ø600 mm net opening)<br>(Group 4 Minimum D 400 class) | Qty | On the job | 830,00 |
| 10.480.1483 | Steel-reinforced, polymer-based composite maintenance manhole covering component<br>(TS EN 124-1, TS EN 124-3)<br>(Road pavements, pedestrian-only streets including pedestrian-only streets, hard shoulders and parking lots for all vehicle types)<br>(including covers, frames, and fittings such as universal joints, etc.) (minimum Ø600 mm net opening)<br>(Group 4 Minimum D 400 class) | Qty | On the job | 890,00 |
| | **PANEL FENCE, POST AND ACCESSORIES** | | | |
| | **Hot-dip galvanized and electrostatic polyester powder coated wire in panel form<br>(50 x 150 mm mesh size, Ø4.5 mm wire diameter)<br>(TS EN 10223-4)** | | | |
| 10.480.1501 | 1.00-m high, min. 2-twisted | m | On the job | 61,00 |
| 10.480.1502 | 1.20-m high, min. 2-twisted | m | On the job | 75,00 |
| 10.480.1503 | 1.50-m high, min. 3-twisted | m | On the job | 92,00 |
| | **Hot-dip galvanized and electrostatic polyester powder coated fence post, sized 50 x 50 x 1.5 mm<br>(including min. 120 x 120 x 5 mm flange and UV-resistant, unbreakable plastic door)** | | | |
| 10.480.1511 | 1.00-m high | Qty | On the job | 52,00 |
| 10.480.1512 | 1.20-m high | Qty | On the job | 60,00 |
| 10.480.1513 | 1.50-m high | Qty | On the job | 71,00 |
| | **Panel Fence Accessories** | | | |
| 10.480.1521 | Clips<br>(UV-resistant, unbreakable plastic with clamps gripping the profile, including installation screws) | Qty | On the job | 2,05 |
| | **Hot-dip galvanized and electrostatic polyester powder coated wire (curved on top) in panel form<br>(Pore Spacing: 60 x 200 mm / Made of wires Ø8 mm thick horizontally and Ø6 mm thick vertically / Panel curved on top, 60 x 60 mm, Tile Patterned, with W-shaped concave and convex inflections, and two bars with 50 mm spacing at inflections)** | | | |
| 10.480.1531 | 1.13 m high (0.96 m plain + 0.17 m patterned), min. 2 inflections | m | On the job | 330,00 |
| 10.480.1532 | 1.55 m high (1.38 m plain + 0.17 m patterned), min. 2 inflections | m | On the job | 390,00 |
| 10.480.1533 | 1.96 m high (1.79 m plain + 0.17 m patterned), min. 2 inflections | m | On the job | 470,00 |
| | **Hot-dip galvanized and electrostatic polyester powder coated wire in panel form<br>(Pore Spacing: 60 x 200 mm / Made of wires Ø8 mm thick horizontally and Ø6 mm thick vertically / 60 x 60 mm, Tile Patterned Panel, with W-shaped concave and convex inflections, and two bars with 50 mm spacing at inflections)** | | | |
| 10.480.1541 | 0.96 m high, min. inflections | m | On the job | 280,00 |
| 10.480.1542 | 1.46 m high, min. 2 inflections | m | On the job | 370,00 |
| 10.480.1543 | 1.96 m high, min. 2 inflections | m | On the job | 480,00 |

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| | **Hot-dip galvanized and electrostatic polyester powder coated wire in panel form (Pore Spacing: 55 x 200 mm / Made of Ø4.5 mm wires / Panel with W-shaped concave and convex inflections, and two bars with 50 mm spacing at inflections)** | | | |
| 10.480.1551 | 0.95 m high with 2 inflections | m | On the job | 90,00 |
| 10.480.1552 | 1.43 m high with 2 inflections | m | On the job | 120,00 |
| 10.480.1553 | 1.93 m high with 3 inflections | m | On the job | 160,00 |
| 10.480.1554 | 2.43 m high with 4 inflections | m | On the job | 200,00 |
| | **Hot-dip galvanized and electrostatic polyester powder coated razor wire in panel form (Pore Spacing: 55 x 200 mm / Made of Ø4.5 mm wires / Welded panel with razor wires, three rows of razors at 100-mm-intervals, razor axle spacing 40 mm, and a total razor size of 240 mm** | | | |
| 10.480.1561 | 0.95 m high with 2 inflections | m | On the job | 105,00 |
| 10.480.1562 | 1.43 m high with 2 inflections | m | On the job | 140,00 |
| 10.480.1563 | 1.93 m high with 3 inflections | m | On the job | 180,00 |
| 10.480.1564 | 2.43 m high with 4 inflections | m | On the job | 225,00 |
| | **Hot-dip galvanized and electrostatic polyester powder coated semi-twisted wire in panel form (Pore Spacing 12.70 x 76.20 mm / Wire Mesh Fencing made of Ø4 mm wires / Straight at joints with the profile, and W-shaped inflections in the middle for extra security)** | | | |
| 10.480.1571 | 0.99 m high with 2-inflections | m | On the job | 315,00 |
| 10.480.1572 | 1.45 m high with 2 inflections | m | On the job | 420,00 |
| 10.480.1573 | 1.98 m high with 2 inflections | m | On the job | 575,00 |
| | **Steel fence post with increased strength and electrostatic polyester coating on hot-dip galvanized surface. (Steel fence post with post sections made of 90 x 90 x 1.2 mm steel sheet, two-layer leaves, and enhanced strength / with 150 x 150 x 3.00 mm Steel Sheet Flanges / Plastic Caps Included)** | | | |
| 10.480.1581 | 1.00 m high | Qty | On the job | 245,00 |
| 10.480.1582 | 1.50 m high | Qty | On the job | 320,00 |
| 10.480.1583 | 2.00 m high | Qty | On the job | 410,00 |
| | **Aluminum fence post (with double profile) with increased strength and electrostatic polyester coating on hot-dip galvanized surface. (Aluminum Fence Post with double profile with increased strength, post sections made of 100 x 120 mm aluminum material, specific fence design / With 150 x 165 mm concealed cells for dowel pins, Snap-on Aluminum Flanges / Polycarbon Caps Included)** | | | |
| 10.480.1591 | 1.00 m high | Qty | On the job | 780,00 |
| 10.480.1592 | 1.50 m high | Qty | On the job | 980,00 |
| 10.480.1593 | 2.00 m high | Qty | On the job | 1.200,00 |
| | **High-security, anti-vandal steel fence post with increased strength and electrostatic polyester coating on hot-dip galvanized surface. (High-security, anti-vandal steel fence post with enhanced strength, post section made of 120 x 123 x 2 mm steel sheet / with 160 x 160 x 8 mm steel sheet flanges / plastic caps included)** | | | |
| 10.480.1601 | 3.00 m high | Qty | On the job | 1.450,00 |
| 10.480.1602 | 4.00 m high | Qty | On the job | 1.900,00 |
| 10.480.1603 | 5.00 m high | Qty | On the job | 2.450,00 |
| | **High-security, anti-vandal steel fence post with increased strength and electrostatic polyester coating on hot-dip galvanized surface. (High-security, anti-vandal steel fence post with enhanced strength, post section made of 120 x 123 x 2 mm steel sheet / with 160 x 160 x 8 mm steel sheet flanges and V console / plastic caps included)** | | | |
| 10.480.1611 | 3.00 m high | Qty | On the job | 1.650,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.480.1612 | 4.00 m high | Qty | On the job | 2.100,00 |
| 10.480.1613 | 5.00 m high | Qty | On the job | 2.700,00 |
| | **REINFORCED CONCRETE POSTS AND BRACES**<br>**(C40/50 concrete with 4 x Ø6 (h = 0-2.5 m) / Ø8 (h = above 2.5 m) reinforcing bars and a stirrup bar every 25 cm will be steam-cured (dried) for min. 8 hours)** | | | |
| | **Concrete Posts**<br>**(Lower part / Upper part)** | | | |
| 10.480.1701 | 1.60 m straight post<br>(Sized 9 x 9 / 9 x 7, 8 holes) | Qty | On the job | 45,00 |
| 10.480.1702 | 2.00 m straight post<br>(Sized 8 x 10 / 8 x 9.5, 6 holes) | Qty | On the job | 52,00 |
| 10.480.1703 | 2.50 m straight post<br>(Sized 9 x 12 / 8 x 10 holes, 8 holes) | Qty | On the job | 68,00 |
| 10.480.1704 | 3.00 m straight post<br>(Sized 10 x 14 / 10 x 12, 8 holes) | Qty | On the job | 93,00 |
| | **(Lower part / Middle Part / Upper part)** | | | |
| 10.480.1711 | 2.40-m post with leaned top<br>(Sized 9 x 10 / 8 x 10 / 8 x 8, 8 holes) | Qty | On the job | 56,00 |
| 10.480.1712 | 2.50-m post with leaned top<br>(sized 10x14 / 9x10 / 9x9.5, with 9 holes) | Qty | On the job | 68,00 |
| 10.480.1713 | 2.80-m post with leaned top<br>(Sized 10x14 / 9x10.5 / 9x9, 10 holes) | Qty | On the job | 82,00 |
| 10.480.1714 | 3.00-m post with leaned top<br>(sized 10x13 / 10x12 / 10x12, with 11 holes) | Qty | On the job | 93,00 |
| 10.480.1715 | 3.15-m post with leaned top<br>(sized 10x13 / 10x12 / 10x12, with 12 holes) | Qty | On the job | 100,00 |
| 10.480.1716 | 3.50-m post with leaned top<br>(11x16 / 10.5x11 / 10.5x11, with 13 holes) | Qty | On the job | 120,00 |
| | **Concrete Braces**<br><br>**(Lower part / Upper part)** | | | |
| 10.480.1721 | 2.00-m brace<br>(sized 8x10/7x10) | Qty | On the job | 52,00 |
| 10.480.1722 | 2.20-m brace<br>(sized 9x9.5/8.5x9) | Qty | On the job | 56,00 |
| 10.480.1723 | 2.40-m brace<br>(sized 10x10/8x10) | Qty | On the job | 59,00 |
| 10.480.1724 | 2.80-m brace<br>(sized 10x11 / 10.5x10.5) | Qty | On the job | 74,00 |
| 10.480.1731 | Concrete gate post (15x20 / 2.40) | Qty | On the job | 240,00 |
| | **BARBED, RAZOR, GALVANIZED WIRES** | | | |
| 10.480.1801 | Barbed wire (Galvanized) (TS EN 10223-1) | Kg | On the job | 18,50 |
| 10.480.1802 | Razor wire (Spiral - Galvanized) | Kg | On the job | 33,50 |
| 10.480.1803 | Galvanized wire | Kg | On the job | 15,50 |
| 10.480.1804 | Galvanized mesh wire (Various)<br>(TS 2398) | Kg | On the job | 18,50 |
| | **PROCESSED IRONS** | | | |
| 10.480.1821 | Processed small irons (Various) | Kg | On the job | 16,00 |
| 10.480.1822 | Various engraved irons | Kg | On the job | 39,00 |
| | **Gabion Bucket (Galvanized)**<br>**(TS EN 10223-3)** | | | |
| 10.480.2001 | 80 x 100 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire<br>(Sized 2 x 1 x 1 m) | Qty | On the job | 580,00 |
| 10.480.2002 | 80 x 100 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire<br>(Sized 4 x 1 x 1 m) | Qty | On the job | 1.050,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.480.2003 | 80 x 100 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 4 x 2 x 1 m) | Qty | On the job | 1.550,00 |
| 10.480.2004 | 80 x 100 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 2 x 1 x 1 m) | Qty | On the job | 505,00 |
| 10.480.2005 | 80 x 100 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 4 x 1 x 1 m) | Qty | On the job | 920,00 |
| 10.480.2006 | 80 x 100 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 4 x 2 x 1 m) | Qty | On the job | 1.330,00 |
| 10.480.2007 | 100 x 120 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 2 x 1 x 1 m) | Qty | On the job | 450,00 |
| 10.480.2008 | 100 x 120 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 4 x 1 x 1 m) | Qty | On the job | 920,00 |
| 10.480.2009 | 100 x 120 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 2 x 1 x 1 m) | Qty | On the job | 600,00 |
| 10.480.2010 | 100 x 120 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 4 x 1 x 1 m) | Qty | On the job | 1.150,00 |
| | **Gabion Mat (Galvanized) (TS EN 10223-3)** | | | |
| 10.480.2051 | 60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 6 x 2 x 0.3 m) | Qty | On the job | 1.220,00 |
| 10.480.2052 | 60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 6 x 2 x 0.23 m) | Qty | On the job | 1.120,00 |
| 10.480.2053 | 60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 4 x 2 x 0.3 m) | Qty | On the job | 840,00 |
| 10.480.2054 | 60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 4 x 2 x 0.23 m) | Qty | On the job | 770,00 |
| | **STEEL MESH WIRE GRIDS (TS EN 10223-3)** | | | |
| | **Hexagonal, Twisted Pair, Two-wire Steel Grid (Galvanized)** | | | |
| 10.480.2201 | Pore Spacing 60 x 80 mm - Wire Diameter (1.35 + 1.35) 2.70 mm | m² | On the job | 48,00 |
| 10.480.2202 | Pore Spacing 80 x 100 mm - Wire Diameter (1.35 + 1.35) 2.70 mm | m² | On the job | 41,50 |
| 10.480.2203 | Pore Spacing 100 x 120 mm - Wire Diameter (1.35 + 1.35) 2.70 mm | m² | On the job | 35,00 |
| | **Hexagonal, Twisted Pair, Single-wire Steel Grid (Galvanized)** | | | |
| 10.480.2216 | Pore Spacing 60 x 80 mm - Wire Diameter 2.2 mm | m² | On the job | 38,00 |
| 10.480.2217 | Pore Spacing 60 x 80 mm - Wire Diameter 2.7 mm | m² | On the job | 43,50 |
| 10.480.2218 | Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm | m² | On the job | 38,00 |
| | **Hexagonal, Twisted Pair, Single-wire Steel Grid (Galfan-coated)** | | | |
| 10.480.2231 | Pore Spacing 60 x 80 mm - Wire Diameter 2.2 mm | m² | On the job | 46,50 |
| 10.480.2232 | Pore Spacing 60 x 80 mm - Wire Diameter 2.7 mm | m² | On the job | 51,00 |
| 10.480.2233 | Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm | m² | On the job | 46,50 |
| | **Hexagonal, Twisted Pair, Single-wire Steel Grid (Galvanized) (Reinforced with Steel Mesh)** | | | |
| 10.480.2261 | Pore Spacing 80 x 100 mm - Wire Diameter 1.25 mm - Reinforced with wire mesh with Ø4 mm thickness and 24 x 50 cm pore spacing | m² | On the job | 38,50 |
| 10.480.2262 | Pore Spacing 100 x 120 mm - Wire Diameter 1.25 mm - Reinforced with wire mesh with Ø4 mm thickness and 24 x 50 cm pore spacing | m² | On the job | 32,00 |
| | **Hexagonal, Twisted Pair, Single-wire Steel Grid (Galfan-coated) (Reinforced with Steel Rope)** | | | |
| 10.480.2281 | Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm - Reinforced with wire ropes with 30 cm spacing and Ø8 mm thickness | m² | On the job | 175,00 |
| 10.480.2282 | Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm - Reinforced with wire ropes with 50 cm spacing and Ø8 mm thickness | m² | On the job | 144,00 |
| 10.480.2283 | Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm - Reinforced with wire ropes with 100 cm spacing and Ø8 mm thickness | m² | On the job | 111,00 |
| | **GRASS SEEDS, FERTILIZERS, SOIL REGULATORS, ETC.** | | | |
| 10.480.5001 | Perennial ryegrass (English ryegrass) | Kg | On the job | 35,00 |

10.130.-Market Prices for Materials

| Item No | Description | UoM | Purchased at | Market Price (TRY) |
|---|---|---|---|---|
| 10.480.5002 | Poa pratensis (Kentucky bluegrass) | Kg | On the job | 57,00 |
| 10.480.5003 | Festuca rubra rubra (red fescue) | Kg | On the job | 36,00 |
| 10.480.5004 | Festuca rubra commutata (red fescue) | Kg | On the job | 43,00 |
| 10.480.5005 | Festuca arundinacea (tall fescue) | Kg | On the job | 37,00 |
| 10.480.5006 | Bermuda grass | Kg | On the job | 67,00 |
| 10.480.5007 | Agrostis tenuis | Kg | On the job | 89,00 |
| | Note: The grasses specified in the items no. 10.480.5001 - ... - 5007 shall comply with the law no. 308 of the Ministry of Agriculture and Forestry on registration, inspection and certification of seeds, and the regulations and instructions related thereto. | | | |
| 10.480.5011 | Burned and sieved farm manure (odorless and free of any foreign matter) | m³ | On the job | 135,00 |
| 10.480.5012 | Ecological soil and organic fertilizer additive (soil improvers made of organic fertilizers with microbial and enzymatic content) | Kg | On the job | 4,50 |
| 10.480.5013 | Organic fertilizer (Should include a high rate of natural humus and be fully decomposed) | Kg | On the job | 11,40 |
| 10.480.5014 | Turf (fine-grained and sterilize, Ph. 5-6) | m³ | On the job | 155,00 |
| 10.480.5015 | Soil improver that is fully made up of natural minerals, water retainer, that prevents salification and desertification, balances the pH value of the soil, and is suitable for organic agriculture. | Kg | On the job | 4,10 |
| 10.480.5031 | White Dolomite Rocks (1.50 cm ≤ diameter < 2.50 cm) | Tons | On the job | 1.640,00 |
| 10.480.5032 | White Dolomite Rocks (2.50 cm ≤ diameter < 4.00 cm) | Tons | On the job | 1.230,00 |
| 10.480.5041 | Mulch (Tree Bark in Natural Color) | Kg | On the job | 4,10 |
| 10.480.5042 | Mulch (Colored Wood Chip) | Kg | On the job | 5,40 |
| 10.480.5043 | Expanded light clay aggregate (TS EN 13055) | m³ | On the job | 1.600,00 |
| | **NOISE BARRIERS (TS EN 14388)** | | | |
| 10.480.5101 | Rubber-based, 8-cm-thick<br>(inside of the barrier Ø8-mm steel mesh reinforced, 10 x 10-cm cells on one surface) | m² | On the job | 2.400,00 |
| 10.480.5111 | High-density, Acrylic-based Clear Noise Barrier - 12 mm thickness | m² | On the job | 870,00 |
| 10.480.5112 | High-density, Acrylic-based Clear Noise Barrier - 15 mm thickness | m² | On the job | 1.100,00 |
| 10.480.5113 | High-density, Acrylic-based Clear Noise Barrier - 20 mm thickness | m² | On the job | 1.640,00 |
| 10.480.5114 | High-density, Acrylic-based Clear Noise Barrier - 25 mm thickness | m² | On the job | 2.250,00 |
| 10.480.5121 | Clear Polycarbonate Noise Barrier with two surfaces UV-resistant - 12 mm thickness | m² | On the job | 980,00 |
| 10.480.5122 | Clear Polycarbonate Noise Barrier with two surfaces UV-resistant - 15 mm thickness | m² | On the job | 1.090,00 |
| 10.480.5131 | 7-cm-thick PVC snap-on extruded profile (profile wall thickness: min. 4 mm) (in any color) | m² | On the job | 840,00 |
| 10.480.5132 | 7-cm-thick PVC snap-on extruded profile (profile wall thickness: min. 4 mm) (in any color) (Inside of the profile shall have 5 cm thickness, 90 kg/m³ density, with one surface of the profile filled with board type rock wool covered with black glass tissue, and one surface perforated in linear order) | m² | On the job | 1.020,00 |
| | In addition to the aforementioned materials, Reinforced AAC Wall Elements with item no. 10.130.2741…2750 and Colorless, Clear, 0.76-PVB Laminated Glasses with item no. 10.380.1414…1416 can be used as noise barriers. | | | |

**REPUBLIC OF TÜRKİYE**

**THE MINISTRY OF ENVIRONMENT, URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# CONSTRUCTION WORKS

2022/3

**REPUBLIC OF TÜRKİYE**

**THE MINISTRY OF ENVIRONMENT, URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# ANNEX TO THE CONSTRUCTION UNIT PRICES

# PRICE LIST

2022-3

# GENERAL PROVISIONS AND EXPLANATIONS FOR CONSTRUCTION WORKS

1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.

2- In case there are printer's and material errors in Unit Prices, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on www.csb.gov.tr or directly on https://yfk.csb.gov.tr/.

3- The unit price manufactures applicable shall be in compliance with the Turkish Standards referred to in unit price definitions. However, if the said standards are amended later, the final standards in effect shall be applicable. In case of a later change in those standards, the latest versions of the standards in effect shall apply.

4- The table indicating the names of the materials in the Market Price Lists of 2022 as may be amended as per the standards shall also be applicable to the Unit Prices of 2022 in terms of size and definition.

5- The unit prices amended to comply with the amended analyses shall be in effect from the beginning of the year in which they are put into effect, and the unit prices for a given application year shall be found by taking as basis the unit price analyses for the contracts tendered in previous years.

6- General Technical Specifications published by the Ministry of Environment and Urbanism shall be complementary to such unit prices and their definitions.

7- The works and manufactures in this list shall be performed and made in compliance with the relevant legislations of Environment, Health, Occupational Safety, Fire, Structural Materials and similar other legislation. If the Unit Price Definitions or the annexed Unit Price List does not refer to the relevant legislation or if there are hesitations as to the referred legislation, the legislation in effect shall be applicable.

8- The unit prices published and updated on an annual basis by our Ministry shall be taken as basis as per the following statement in the article 17, paragraph 9 of the Law No. 6446 on the Electricity Market:

   As per the provision "Unit prices for ground destruction which may arise from the infrastructure works shall not exceed the unit prices published by the Ministry of Environment and Urbanism," unit prices updated and published every year by our Ministry shall apply in determining the cost of ground destruction. Nevertheless, if the unit prices to be taken into consideration are not available in the unit price lists of our Ministry, the unit prices of the General Directorate of Highways, the General Directorate of İlbank A.Ş. and the General Directorate of State Hydraulic Works shall be taken as basis in the order of priority mentioned herein.

9- Unit prices include 25% contractor's profit and overheads.

10- The prices in the Unit Price list do not include VAT.

(Effective 1 July 2022.)

ITEM NO. TYPE OF MATERIAL ON CONSTRUCTION SITE
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LIST OF MATERIALS ON CONSTRUCTION SITE:

1- Cements (Regular and White)
2- Steel products for Reinforced Concrete:
    a) Concrete Steel Bar (Ø6 mm)
    b) Concrete Steel Bar (Ø8 - Ø10 - Ø12 mm)
    c) Concrete Steel Bar (Ø14-50 mm)
    d) Concrete Steel Bar, Ribbed (III a) (Ø8-12 mm)
    e) Concrete Steel Bar, Ribbed (III a) (Ø14-32 mm)
    f) Steel Mesh, Ribbed (Weight per $m^2$: 3.01 to 10.00 kg)
    g) Steel Mesh, Ribbed (Weight per $m^2$: 1.50 - 3.00 kg)
3- Profile steels (I-U-T-omega) and steel pipes
4- Sheet metal products:
    a) Plain black metal sheets (0.70 - 2.50 mm)
    b) DKP Sheets (0.40 - 20 mm)
    c) Galvanized plain sheet
    d) Galvanized grooved sheet
5- Bricks
    a) Clay Bricks
    b) Horizontally perforated bricks (19 x 19 x 8.5 cm)
    c) Horizontally perforated bricks (19 x 19 x 13.5 cm)
    d) Solid or vertically perforated bricks (19 x 9 x 5 cm)
    e) Vertically perforated bricks (19 x 29 x 13.5 cm)
    f) Vertically perforated bricks (19 x 19 x 8.5 cm)
    g) Vertically perforated bricks (19 x 9 x 8.5 cm)
    h) Vertically perforated bricks (19 x 29 x 13.5 cm)
    i) Vertically perforated lightweight bricks
    (04.018/İ1 to 04.018/i48)
6- Pantile, Grooved Bricks and ridge tiles
7- Sand and Gravel:
    a) All-in aggregate, sand and gravel
    b) Sieved and washed sand
    c) Sieved and washed gravel
8- Stones:
    a) Crushed Stone
    b) Quarry Stone
9- Marble and Travertine (Any size and color)
10- Marble powder and chips
11- Lime (unslaked)
12- Ceramic tiles (in any size, color and type)
13-Ceramic (in any size, color and type)
14- Cement tiles
15- Mosaic tiles (in any color and type)
16- Artificial marble sheets and step sheets with regular or white cement marble chips
17- Copper and zinc sheets (for roofing)

ITEM NO. TYPE OF MATERIAL ON CONSTRUCTION SITE
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18- Flat aluminum sheets (in any type)
19- Trapezoidal aluminum sheets (in various thicknesses)
20- Aluminum profiles (any type)
21- Metal-reinforced and non-metal-reinforced hard PVC joinery profiles
22- Lumbers:
a) Pine lumber (Class 1)
b) Pine lumber (Class 2)
c) White pine (fir) (Class I)
d) White pine (fir) (Class II)
23- For any type of door and window joinery,
70% of the installed production shall be paid.
24- Sheets with asbestos cement (flat and waved)
(6-mm thickness and in any size)
25- Bitumen grooved sheets with organic fiber (black and colored) (3 mm thickness)
26- LIGHTWEIGHT AAC MATERIALS:
a) Non-reinforced blocks
b) Non-reinforced insulation slabs
c) Reinforced slabs
d) Reinforced wall elements
27- PUMICE CONCRETE MATERIALS:
a) Hollow and solid wall elements (in any size)
b) Hollow tile flooring blocks
28- POLYMER BITUMEN SHEETS

NOTE:

1) The ones for which the materials on construction site will be paid shall be drawn.

2) No payment for the materials on construction site shall be paid for materials that are not listed herein.

3) The following materials listed herein and for which transportation shall be paid as per the General Technical Specifications:

3.1 sand, gravel, all-in aggregate, lightweight aggregate (from the nearest warehouse for marble powder and chips)

3.2 Unslaked lime, cement

3.3 Quarry stone (blocks, rubbles, dressed stone, crushed stone)

3.4 Bricks (perforated, non-perforated, clay, factory-made and lightweight bricks)

3.5 Reinforced and non-reinforced lightweight AAC materials

3.6 Bricks

3.7 Steel (B.A. steel, steel mesh, ribbed steel, profile steel, profile pipes, black and DKP metal sheets), the carriage fees to be calculated as per the principles laid out in the General Technical Specifications for Carriage shall be paid separately.

4) The price of the materials on construction site shall be subject to the reductions and discounts.

5) Carriage fees for cement and steel shall not include the loading fees to be paid by the organization during the purchase of such materials from factories.

6) The titles of items are written in the price list, and the records in the relevant item numbers shall be taken as basis for the conditions of measurement.

7) For the materials with multiple types among those given in the list of materials on construction site (cement, bricks, lumber, etc.), the materials on construction site shall be paid for based on the price of the materials actually used.

8) The units of measure and prices for the materials on construction site for the materials included in the list of materials on construction site shall be taken from the Market Price List that makes the basis of the construction unit prices.

# CARRIAGE FORMULAS

**1- Carriage by motor vehicles:**

a) Item: 19.100.2493 (07.004) - Carriage of any excavation material with carriage distances measured by Bruckner's curve to a distance of ..... m:
F: 0.00023. K x √M TRY /Ton
b) For any paved road with 10% inclination based on the distance and route of carriage:
Carriages up to b / 1 : M < 10 km:
Item No. 07.005 F = 0.00017 K x √M TRY/Ton
Carriages of b / 2 : M > 10 km:
Item No. 07.006 F = K (0.0007 M + 0.01) TRY/Ton
In the first formula, M = m, and in the second formula, M = km.
The K in motor vehicle formulas represents the "Carriage coefficient for any motor vehicle type and tonnage" given in the item 10.110.1003 (02.017) of the market price table published by the Ministry of Public Works.

NOTE: In applying the items 19.100.2494 (07.005) and 19.100.2495 (07.006):

I. If any of the following factors: Specifications of the carriage road,
II. Adverse weather conditions during the carriage,
III. Coincidence of the carriage works with the season with unfavorable conditions of commercial carriage affects the carriage works and depending on the characteristics of the work, the carriage fee shall be calculated by multiplying the Carriage formulas by the coefficient (A).

I) After obtaining approval from the authorized body of the investing organization before the reduction for the coefficient A,

A shall be a value between 1.00 (inclusive) and 2 (inclusive). If no value is chosen for A in the contract and its annexes before the tender,

$$A = 1 + \frac{0.25}{M} [\, b + d + 2\,(c + e) + 3\,f \,]$$

shall be used to make a calculation based on the road conditions. In the formula:
M = Total length of the carriage route = m
b = Length of any type of paved road with inclinations of 10% to 15% (inclusive) in m c = Length of any type of paved road with inclinations higher than 15% in m
d = Raw road length with up to 10% (inclusive) inclination in m
e = Raw road length with 10% to 15% (inclusive) inclination in m
f = Raw road length with greater inclination than 15% in m.

NOTE: If the excavation, road, superstructure and industrial production materials in m³ are:

a. Mixed in different types and grain sizes,
b. With unspecified densities since they are dry, humid or wet,
c. Various ground excavations and construction materials are mixed for the production of roads and industrial production under the same tender,

the carriage fee per m³:

Shall be calculated by multiplying the coefficients in the formulas of Item 07.004, Item 07.005, and Item 07.006 by a coefficient that is maximum 2, which shall be specified in the contract and its annexes and approved by the authorized body of the investing organization before the tender, shall be applied to all materials (except water) in $m^3$ to be carried as part of the relevant task.

**2. Loads that are carried by a wheelbarrow, on an animal's back or drawn by an animal:**
Item 19.100.2001 (07.001): Carriages made by a wheelbarrow.

Carriage of 1 ton of load to a distance of M = m.

F = 0.013 k. M TRY/ton.
k = Hourly rate of an unskilled worker: TRY.
M = Carriage distance up to 100 m (inclusive).

Item (19.100.2491) 07.002 Carriages on an animal's back.

Carriage of 1 ton of load to a distance of M = m.

F = k.(0.0002 M + 0.025) TRY / Ton.
k = "The daily rate of a road train that is made up of three horses or mules and a rider (or five donkeys)" in the item (10.110.1001) 02.002 specified in the market price table published by the Ministry of Environment and Urbanism.

**3- Item 07.003: Carriages by animal-drawn carts.**

Carriage of 1 ton of load to a distance of M = ……. m.

F = k (0.00016 M + 0.03) TRY/Ton.
k = "Carriage coefficient for carts drawn by any animal" in the item (10.110.1002) 02.016 in the market price
table published by the Ministry of Public Works.

NOTE: The carriage formulas for carriages made by different vehicles given in the items 1, 2 and 3 above give the carriage fees per ton (not including loading and unloading),

a. and for the carriage of materials for which the analysis does not include loading, unloading, laying and stowing at the work site, the calculation shall be based on the Item No. of the carried materials (15.100.1001-1008) (without any profit and overheads) and the calculated amount shall be added to the amounts found.
b. For carriages measured in $m^3$, carriage fee F per $m^3$ of material shall be paid as the price per carriage of a ton of material x density of the material.
c. Carriage fee for reinforced concrete flumes and plastic pipes shall be paid as double the amount found by the formula given above.

15.100.-Construction Unit Prices and Definitions List

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| | **LOADING, UNLOADING AND STOWING MATERIALS (Except Transportation)** | | |
| 15.100.1001 | Loading, unloading and stowing of any type of 1-ton cement and lime (Loading fee is deducted for ex-factory materials.) | Tons | 40,63 |
| 15.100.1002 | Loading onto vehicles, unloading from vehicles and storing of 1 m³ of sand, gravel, all-in aggregate materials, stabilized crushed stone, lightweight aggregate, and marble chips | m³ | 11,20 |
| 15.100.1003 | Loading onto vehicles, unloading from vehicles and storing of 1 m³ of any type of stone | m³ | 12,26 |
| 15.100.1004 | Loading onto vehicles, unloading from vehicles, and stowing of 1 ton of any type of reinforcement steel, profiles and flat bars (Loading fee is deducted for ex-factory materials.) | Tons | 47,85 |
| 15.100.1005 | Loading onto vehicles, unloading from vehicles, and stowing of 1 ton of steel pipes | Tons | 95,70 |
| 15.100.1006 | Loading onto vehicles, unloading from vehicles, and stowing of 1 ton of PE, HDPE and PVC-based pipes of any type | Tons | 143,55 |
| 15.100.1007 | Loading onto vehicles, unloading from vehicles, and stowing of regular, exterior wall, modular solid or perforated bricks and grooved tiles | 1000 pcs. | 56,34 |
| 15.100.1008 | Loading onto vehicles, unloading from vehicles, and stowing of any type of AAC material, expanded perlite aggregate, and materials (bricks, panels, premixed dry mortar, etc.) made of such aggregate | m³ | 16,10 |
| | **CUTTING, UPROOTING AND CLEARING OF SHRUBS AND TREES IN THE EXCAVATION AREA** | | |
| 15.105.1001 | Cutting and clearing of the shrubs in the excavation area | 100 m² | 1.015,63 |
| 15.105.1002 | Clearing and uprooting plants by machines in the excavation area | 100 m² | 154,09 |
| | **Cutting and Uprooting of Trees:** | | |
| 15.105.1101 | Manual cutting and uprooting of trees, for each tree that is 5 to 10 cm (including 10 cm) in diameter | Qty | 20,31 |
| 15.105.1102 | Manual cutting and uprooting of trees, for each tree that is 11 to 20 cm (including 20 cm) in diameter | Qty | 40,63 |
| 15.105.1103 | Manual cutting and uprooting of trees, for each tree that is 21 to 30 cm (including 30 cm) in diameter | Qty | 81,25 |
| 15.105.1104 | Manual cutting and uprooting of trees, for each tree that is 31 to 40 cm (including 40 cm) in diameter | Qty | 121,88 |
| 15.105.1105 | Manual cutting and uprooting of trees, for each tree that is 41 to 50 cm (including 50 cm) in diameter | Qty | 162,50 |
| 15.105.1106 | Manual cutting and uprooting of trees, for each tree that is 51 to 60 cm (including 60 cm) in diameter | Qty | 243,75 |
| 15.105.1107 | Manual cutting and uprooting of trees, for each tree that is 61 to 70 cm (including 70 cm) in diameter | Qty | 365,63 |
| 15.105.1108 | Manual cutting and uprooting of trees, for each tree that is 71 to 80 cm (including 80 cm) in diameter | Qty | 487,50 |
| 15.105.1109 | Manual cutting and uprooting of trees, for each tree with a diameter larger than 81 cm | Qty | 812,50 |
| | **PAY RISE FORMULAE FOR EXCAVATION DEPTH:** | | |
| 15.110.1001 | Pay rise for depth for manual (wide - narrow) deep excavations in any type of soil (unshored excavations) F=10,281 x H- 20,562 (including 25% contractor's profit and overheads) | m³ | |
| 15.110.1002 | Pay rise for depth for manual excavations (wide-narrow) in any type of soil (opposite, open, frequent intervals and full plating timbering) F= 20,563 x H - 41,126 (including 25% contractor's profit and overheads) | m³ | |
| | Note: H: The difference in meters between the elevation where free excavation ends and narrow excavation begins and the elevation of the deep excavation base elevation | | |
| | **A) MANUAL FREE EXCAVATIONS:** | | |
| 15.115.1001 | Manual digging of soft soil (loose soil and topsoil, loose silt, sand and similar other materials) | m³ | 81,26 |
| 15.115.1002 | Manual digging of hard soil (clay, silty, sandy and soft clay, clayey sand and gravel, soil with stones that can be laid by shovel, and similar other flooring materials) | m³ | 105,64 |
| 15.115.1003 | Manual digging of soft loose rock layer (hard clay, soft marl and tuff, compact gravel, crushed and hand-laid loose rock sized up to 0.100 m³, mud and similar other soils for resemblance in terms of excavation difficulty) | m³ | 132,04 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.115.1004 | Manual digging of hard loose rock layer<br>(altered and fissured rock, altered sandstone, schist, lithified marl and clay, any type of loose rock that can be crushed to 0.100 - 0.400 m³ and laid manually, and similar other flooring materials) | m³ | 152,35 |
| 15.115.1005 | Excavation of soft rock manually or by a compressor, using explosives<br>(stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m³, and similar other flooring materials) | m³ | 126,75 |
| 15.115.1006 | Excavation of hard rock manually or by a compressor, using explosives<br>(thick layers and masses of hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite trachyte basalt tuffs, and the same type of loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 154,49 |
| 15.115.1007 | Excavation of very hard rock manually or by a compressor, using explosives<br>(unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 189,13 |
| 15.115.1008 | Excavation of soft rock manually or by a compressor, without using explosives<br>(stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m³, and similar other flooring materials) | m³ | 214,88 |
| 15.115.1009 | Excavation of hard rock manually or by a compressor, without using explosives<br>(hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 298,09 |
| 15.115.1010 | Excavation of very hard rock manually or by a compressor, without using explosives<br>(unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 453,98 |
| 15.115.1011 | Manual excavation of sludge or slime<br>(fluid and adhesive flooring materials with high water content, which do not easily release its water content) | m³ | 243,76 |
| | **B) MANUAL DEEP EXCAVATIONS**<br>**( The pay rise for depth per the item 14.040 shall be applicable to the excavations deeper than 2.00 meters.)** | | |
| 15.115.1201 | Manual wide and deep excavation of soft and hard soil at any depth<br>(loose topsoil, loose silt, sand, clay, silty, sandy and soft clay, clayey sand and gravel, soil with stones that can be laid by shovel, and similar other flooring materials) | m³ | 152,36 |
| 15.115.1202 | Manual narrow and deep excavation of soft and hard soil at any depth<br>(loose topsoil, loose silt, sand, clay, silty, sandy and soft clay, clayey sand and gravel, soil with stones that can be laid by shovel, and similar other flooring materials) | m³ | 167,60 |
| 15.115.1203 | Manual wide and deep excavation of soft and hard loose rock layer at any depth<br>(hard clay, soft marl and tuff, compact gravel, mud because of similar difficulty of excavation, altered and fissured rock, altered sandstone, schist, lithified marl and clay, any type of loose rocks and similar other flooring materials sized 0 to 0.400 m³) | m³ | 219,40 |
| 15.115.1204 | Manual narrow and deep excavation of soft and hard loose rock layer at any depth<br>(hard clay, soft marl and tuff, compact gravel, mud because of similar difficulty of excavation, altered and fissured rock, altered sandstone, schist, lithified marl and clay, any type of loose rocks and similar other flooring materials sized 0 to 0.400 m³) | m³ | 241,34 |
| 15.115.1205 | Wide and deep excavation manually or by compressor and explosive at any depth in soft, hard and very hard rock<br>(stratified limestone, marn limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basalt tuff) hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuff, unaltered granite and similar other materials, basalt, porphyry, quartz, and similar type of loose rocks and similar other materials larger than 0.400 m³) | m³ | 272,64 |
| 15.115.1206 | Narrow and deep excavation manually or by compressor and explosive at any depth in soft, hard and very hard rock<br>(stratified limestone, marn limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basalt tuff) hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuff, unaltered granite and similar other materials, basalt, porphyry, quartz, and similar type of loose rocks and similar other materials larger than 0.400 m³) | m³ | 299,90 |
| 15.115.1207 | Wide and deep excavation manually or by compressor and without explosive at any depth in soft rock<br>(stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m³, and similar other flooring materials) | m³ | 306,51 |
| 15.115.1208 | Narrow and deep excavation manually or by compressor and without explosive at any depth in soft rock<br>(stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m³, and similar other flooring materials) | m³ | 337,16 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.115.1209 | Wide and deep excavation manually or by compressor and without explosive at any depth in hard rock (thick layers and masses of hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 389,74 |
| 15.115.1210 | Narrow and deep excavation manually or by compressor and without explosive at any depth in hard rock (thick layers and masses of hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 428,71 |
| 15.115.1211 | Wide and deep excavation manually or by compressor and without explosive at any depth in very hard rock (unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 556,18 |
| 15.115.1212 | Narrow and deep excavation manually or by compressor and without explosive at any depth in very hard rock (unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other flooring materials sized above 0.400 m³) | m³ | 611,79 |
| 15.115.1213 | Compaction of any type of cut and fill layed material layer by layer (other than rock soils) by beating with a mallet | m³ | 42,38 |
| 15.115.1214 | Smooth over the base of the fill | 1000 m² | 135,94 |
| 15.115.1215 | Manually digging sludge and slime at any depth (wide and deep). (fluid and adhesive flooring materials with high water content, which do not easily release its water content) | m³ | 367,68 |
| 15.115.1216 | Manually digging sludge and slime at any depth (narrow and deep). (fluid and adhesive flooring materials with high water content, which do not easily release its water content) | m³ | 404,44 |
| | **MECHANIZED EXCAVATIONS FOR CONSTRUCTION WORKS:** | | |
| | **A- Mechanized free excavations:** | | |
| 15.120.1001 | Machine excavation of soft and hard soil (Free excavation) | m³ | 18,54 |
| 15.120.1002 | Machine excavation of soft and hard layers of loose rock (free excavation) | m³ | 24,69 |
| 15.120.1003 | Machine excavation of sludge and slime (free excavation) | m³ | 36,49 |
| 15.120.1004 | Machine excavation of soft rock, using explosives (Free excavation) | m³ | 52,01 |
| 15.120.1005 | Machine excavation of soft rock, without using explosives (Free excavation) | m³ | 42,19 |
| 15.120.1006 | Machine excavation of hard rock, using explosives (Free excavation) | m³ | 69,83 |
| 15.120.1007 | Machine excavation of hard rock, without using explosives (Free excavation) | m³ | 97,30 |
| 15.120.1008 | Machine excavation of very hard rock, using explosives (Free excavation) | m³ | 92,65 |
| 15.120.1009 | Machine excavation of very hard rock, without using explosives (Free excavation) | m³ | 131,60 |
| | **B- Mechanized deep excavations:** | | |
| 15.120.1101 | Machine excavation of soft and hard soil at any depth and width (Deep excavation) | m³ | 21,34 |
| 15.120.1102 | Machine excavation of soft and hard layer of loose rock at any depth and width (Deep excavation) | m³ | 31,44 |
| 15.120.1103 | Machine excavation of sludge and slime at any depth and width (Deep excavation) | m³ | 49,94 |
| 15.120.1104 | Machine excavation of soft rock, using explosives at any depth and width (Deep excavation) | m³ | 75,64 |
| 15.120.1105 | Machine excavation of soft rock, without using explosives, at any depth and width (Deep excavation) | m³ | 52,60 |
| 15.120.1106 | Machine excavation of hard rock, using explosives at any depth and width (Deep excavation) | m³ | 92,70 |
| 15.120.1107 | Machine excavation of hard rock, without using explosives, at any depth and width (Deep excavation) | m³ | 126,40 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.120.1108 | Machine excavation of very hard rock, using explosives at any depth and width (Deep excavation) | m³ | 121,39 |
| 15.120.1109 | Machine excavation of very hard rock, without using explosives, at any depth and width (Deep excavation) | m³ | 158,18 |
| | **FILLING WORKS** | | |
| 15.125.1001 | Supply, and manual laying, watering and compacting of sand | m³ | 99,25 |
| 15.125.1002 | Supply, and manual laying, watering and compacting of gravel | m³ | 99,25 |
| 15.125.1003 | Supply, and machine laying, watering and compacting of sand | m³ | 56,74 |
| 15.125.1004 | Supply, and machine laying, watering and compacting of gravel | m³ | 56,74 |
| 15.125.1005 | Supplying sand, and making drainage | m³ | 161,25 |
| 15.125.1006 | Supplying gravel, and making drainage | m³ | 160,00 |
| 15.125.1007 | Supply, and manual laying, watering and compacting of crushed stone up to 32 mm | m³ | 223,00 |
| 15.125.1008 | Supply, and machine laying, watering and compacting of crushed stone up to 32 mm | m³ | 180,49 |
| 15.125.1009 | Supply, and manual laying, watering and compacting of crushed stone up to 63 mm | m³ | 210,50 |
| 15.125.1010 | Supply, and machine laying, watering and compacting of crushed stone up to 63 mm | m³ | 167,99 |
| 15.125.1011 | Backfill with lightweight aggregate (Sieved clinker) | m³ | 26,98 |
| | **TIMBERING WORK:** | | |
| 15.130.1002 | Full timber shoring for excavations | m² | 224,21 |
| 15.130.1003 | Frequently spaced timbering | m² | 156,95 |
| 15.130.1004 | Open timber shoring for excavations | m² | 112,11 |
| | **JET GROUTING** | | |
| 15.135.1001 | Building jet grout columns Ø60 cm in diameter for any length, angle and any kind of soil (by jet 1 grouting method) (including drilling) | m | 322,76 |
| 15.135.1002 | Building jet grout columns Ø80 cm in diameter for any length, angle and any kind of soil (by jet 1 grouting method) (including drilling) | m | 371,05 |
| 15.135.1003 | Building jet grout columns Ø60 cm in diameter for any length, angle and any kind of soil (by jet 2 grouting method) (including drilling) | m | 388,99 |
| 15.135.1004 | Building jet grout columns Ø80 cm in diameter for any length, angle and any kind of soil (by jet 2 grouting method) (including drilling) | m | 446,10 |
| 15.135.1005 | Building jet grout columns Ø100 cm in diameter for any length, angle and any kind of soil (by jet 2 grouting method) (including drilling) | m | 529,03 |
| | **BORED PILE WORKS (including the boring and concrete charges, excluding the iron charge)** | | |
| | **using C 20 / 25 ready-mix concrete** | | |
| 15.140.1001 | Making cast in-situ reinforced concrete bored piles with Ø30 cm diameter, any length, C 20/25 compressive strength | m | 434,13 |
| 15.140.1002 | Making cast in-situ reinforced concrete bored piles with Ø45 cm diameter, any length, C 20/25 compressive strength | m | 574,31 |
| 15.140.1003 | Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 972,54 |
| 15.140.1004 | Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 1.047,34 |
| 15.140.1005 | Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 1.284,53 |
| 15.140.1006 | Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 1.409,19 |
| 15.140.1007 | Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 1.949,23 |
| 15.140.1008 | Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 2.175,90 |
| 15.140.1009 | Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 2.690,90 |
| 15.140.1010 | Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 3.014,74 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.140.1011 | Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 4.496,06 |
| 15.140.1012 | Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 5.143,73 |
| | **using C 25 / 30 ready-mix concrete** | | |
| 15.140.1101 | Making cast in-situ reinforced concrete bored piles with Ø30 cm diameter, any length, C 25/30 compressive strength | m | 436,63 |
| 15.140.1102 | Making cast in-situ reinforced concrete bored piles with Ø45 cm diameter, any length, C 25/30 compressive strength | m | 579,63 |
| 15.140.1103 | Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 983,79 |
| 15.140.1104 | Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 1.058,59 |
| 15.140.1105 | Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 1.301,71 |
| 15.140.1106 | Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 1.426,38 |
| 15.140.1107 | Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 1.976,10 |
| 15.140.1108 | Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 2.202,78 |
| 15.140.1109 | Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 2.729,65 |
| 15.140.1110 | Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 3.053,49 |
| 15.140.1111 | Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 4.569,50 |
| 15.140.1112 | Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 5.217,16 |
| | **using C 30 / 37 ready-mix concrete** | | |
| 15.140.1201 | Making cast in-situ reinforced concrete bored piles with Ø30 cm diameter, any length, C 30/37 compressive strength | m | 439,63 |
| 15.140.1202 | Making cast in-situ reinforced concrete bored piles with Ø45 cm diameter, any length, C 30/37 compressive strength | m | 586,00 |
| 15.140.1203 | Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 997,29 |
| 15.140.1204 | Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 1.072,09 |
| 15.140.1205 | Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 1.322,34 |
| 15.140.1206 | Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 1.447,00 |
| 15.140.1207 | Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 2.008,35 |
| 15.140.1208 | Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 2.235,03 |
| 15.140.1209 | Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 2.776,15 |
| 15.140.1210 | Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 3.099,99 |
| 15.140.1211 | Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m) | m | 4.657,63 |
| 15.140.1212 | Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m) | m | 5.305,29 |
| | **DIAPHRAGM WALL WORKS** | | |
| | (Including the costs of excavation and concrete, excluding the cost of iron) | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.145.1001 | Making cast-in-place reinforced concrete diaphragm walls, with a grab machine, for grounds with a vertical pressure value of 0-1 MPa, of any size, C 30/35 compressive strength (0.00 to 36.00 m, including 36.00 m) | m³ | 2.069,76 |
| 15.145.1002 | Making cast-in-place reinforced concrete diaphragm walls, with a grab machine, for grounds with a vertical pressure value of 0-1 MPa, of any size, C 30/35 compressive strength (36.00 to 72.00 m, including 72.00 m) | m³ | 2.599,58 |
| 15.145.1003 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 0-1 MPa, of any size, C 30/35 compressive strength (0.00 to 36.00 m, including 36.00 m) | m³ | 2.723,88 |
| 15.145.1004 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 0-1 MPa, of any size, C 30/35 compressive strength (36.00 to 72.00 m, including 72.00 m) | m³ | 3.264,28 |
| 15.145.1005 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 0-1 MPa, of any size, C 30/35 compressive strength (more than 72.00 m) | m³ | 4.885,49 |
| 15.145.1006 | Making cast-in-place reinforced concrete diaphragm walls, with a grab machine, for grounds with a vertical pressure value of 1-2 MPa, of any size, C 30/35 compressive strength (0.00 to 36.00 m, including 36.00 m) | m³ | 2.599,58 |
| 15.145.1007 | Making cast-in-place reinforced concrete diaphragm walls, with a grab machine, for grounds with a vertical pressure value of 1-2 MPa, of any size, C 30/35 compressive strength (36.00 to 72.00 m, including 72.00 m) | m³ | 3.447,30 |
| 15.145.1008 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 1-20 MPa, of any size, C 30/35 compressive strength (0.00 to 36.00 m, including 36.00 m) | m³ | 3.264,28 |
| 15.145.1009 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 1-20 MPa, of any size, C 30/35 compressive strength (36.00 to 72.00 m, including 72.00 m) | m³ | 4.345,09 |
| 15.145.1010 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 1-20 MPa, of any size, C 30/35 compressive strength (more than 72.00 m) | m³ | 6.236,49 |
| 15.145.1011 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 20-60 MPa, of any size, C 30/35 compressive strength (0.00 to 36.00 m, including 36.00 m) | m³ | 4.345,09 |
| 15.145.1012 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 20-60 MPa, of any size, C 30/35 compressive strength (36.00 to 72.00 m, including 72.00 m) | m³ | 6.236,49 |
| 15.145.1013 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 20-60 MPa, of any size, C 30/35 compressive strength (more than 72.00 m) | m³ | 8.668,30 |
| 15.145.1014 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 60 MPa and more, of any size, C 30/35 compressive strength (0.00 to 36.00 m, including 36.00 m) | m³ | 6.506,69 |
| 15.145.1015 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 60 MPa and more, of any size, C 30/35 compressive strength (36.00 to 72.00 m, including 72.00 m) | m³ | 8.668,30 |
| 15.145.1016 | Making cast-in-place reinforced concrete diaphragm walls, with a hydromill, for grounds with a vertical pressure value of 60 MPa and more, of any size, C 30/35 compressive strength (more than 72.00 m) | m³ | 11.910,71 |
| | **READY-MIX CONCRETE (GRAY, NORMAL)** | | |
| 15.150.1001 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 8/10, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 891,50 |
| 15.150.1002 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 12/15, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 947,75 |
| 15.150.1003 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 16/20, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 996,16 |
| 15.150.1004 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 20/25, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.014,91 |
| 15.150.1005 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 25/30, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.046,16 |
| 15.150.1006 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 30/37, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.083,66 |
| 15.150.1007 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 35/45, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.152,41 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.150.1008 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 40/50, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.214,91 |
| 15.150.1009 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 45/55, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.233,66 |
| 15.150.1010 | Pouring of gray, regular, ready-mix concrete of compressive strength class C 50/60, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.271,16 |
| | **READY-MIX CONCRETE (WHITE, NORMAL)** | | |
| 15.150.1101 | Pouring of white, regular, ready-mix concrete of compressive strength class C 8/10, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.029,00 |
| 15.150.1102 | Pouring of white, regular, ready-mix concrete of compressive strength class C 12/15, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.060,25 |
| 15.150.1103 | Pouring of white, regular, ready-mix concrete of compressive strength class C 16/20, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.133,66 |
| 15.150.1104 | Pouring of white, regular, ready-mix concrete of compressive strength class C 20/25, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.183,66 |
| 15.150.1105 | Pouring of white, regular, ready-mix concrete of compressive strength class C 25/30, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.227,41 |
| 15.150.1106 | Pouring of white, regular, ready-mix concrete of compressive strength class C 30/37, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.346,16 |
| 15.150.1107 | Pouring of white, regular, ready-mix concrete of compressive strength class C 35/45, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.421,16 |
| 15.150.1108 | Pouring of white, regular, ready-mix concrete of compressive strength class C 40/50, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.533,66 |
| 15.150.1109 | Pouring of white, regular, ready-mix concrete of compressive strength class C 45/55, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.621,16 |
| 15.150.1110 | Pouring of white, regular, ready-mix concrete of compressive strength class C 50/60, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete) | m³ | 1.708,66 |
| | **PRODUCTION OF ROLLER-COMPACTED CONCRETE ROADS** | | |
| 15.150.5001 | Supply, laying with finishers and roller-compacting of the concrete grout prepared for roller-compacted concrete roads | m³ | 1.256,33 |
| | **PREFABRICATED CONCRETE STRUCTURES** | | |
| 15.155.1001 | Flooring with 12-cm-thick, precast, prestressed, hollow, load-bearing concrete flooring components. | m² | 521,36 |
| 15.155.1002 | Flooring with 16-cm-thick, precast, prestressed, hollow, load-bearing concrete flooring components. | m² | 542,66 |
| 15.155.1003 | Flooring with 20-cm-thick, precast, prestressed, hollow, load-bearing concrete flooring components. | m² | 571,14 |
| 15.155.1004 | Flooring with 20-cm-thick, precast, prestressed, hollow, heavy load-bearing concrete flooring components. | m² | 679,51 |
| 15.155.1005 | Flooring with 24-cm-thick, precast, prestressed, hollow, load-bearing concrete flooring components. | m² | 744,33 |
| 15.155.1006 | Flooring with 24-cm-thick, precast, prestressed, hollow, heavy load-bearing concrete flooring components. | m² | 846,33 |
| 15.155.1007 | Building walls with 12-cm-thick, precast, prestressed, hollow concrete partition (wall) components. | m² | 481,34 |
| 15.155.1008 | Building walls with 16-cm-thick, precast, prestressed, hollow concrete partition (wall) components. | m² | 532,34 |
| | **PROCESSING - ATTACHMENT OF CONCRETE STEEL BARS WITH SLEEVES:** | | |
| 15.160.1001 | Installation of ribbed steel mesh 1,500 - 3,000 kg/m² (including 3,000 kg/m²) | Tons | 19.268,75 |
| 15.160.1002 | Installation of ribbed steel mesh 3,001-10,000 kg/m² (including 10,000 kg/m²) | Tons | 18.801,88 |
| 15.160.1003 | Cutting, bending, and installation of Ø8 to Ø12-mm ribbed concrete steel bars | Tons | 19.325,13 |
| 15.160.1004 | Cutting, bending, and installation of Ø14 to Ø28-mm ribbed concrete steel bars | Tons | 19.290,13 |
| 15.160.1005 | Cutting, bending, and installation of ribbed concrete steel bars larger than Ø28 mm | Tons | 19.151,38 |
| | **STEEL STRUCTURES:** | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.165.1001 | Individual or joint preparation and installation of irons of any profile (rafters made as purlins, one-way slabs, continuous beams, individual roof purlins and rafters, lintels, one-way slabs, corner reinforcement irons, columns for simple use, and beams used for bonding of Vierendeel columns, and similar other structures) | Tons | 27.424,96 |
| 15.165.1002 | Production and installation of roof trusses with profile iron | Tons | 28.778,43 |
| 15.165.1003 | Construction and installation of carcass (framework) with any profile, steel bar and steel sheet (Frame structure, profile steel beams, caps and connections for jumpers, and similar productions) | Tons | 29.196,14 |
| | **FORMWORK** | | |
| 15.180.1001 | Serial production of wooden formwork | m² | 67,09 |
| 15.180.1002 | Production of concrete or reinforced concrete form made of wood | m² | 172,71 |
| 15.180.1003 | Production of plywood reinforced concrete form with smooth surface | m² | 173,93 |
| 15.180.1004 | Production of concrete or reinforced concrete form with sheet metal | m² | 207,89 |
| 15.180.1007 | Production of reinforced concrete formwork with tunnel formwork system | m² | 232,81 |
| | **FORMWORK AND SCAFFOLDS** | | |
| 15.185.1005 | Making falsework with steel pipes (0.00 to 4.00 m) | m³ | 25,44 |
| 15.185.1006 | Making falsework with steel pipes (4.01 to 6.00 m) | m³ | 30,26 |
| 15.185.1007 | Making falsework with steel pipes (6.01 to 8.00 m) | m³ | 35,09 |
| 15.185.1008 | Making falsework with steel pipes (8.01 to 10.00 m) | m³ | 39,90 |
| 15.185.1013 | Making fully-safe exterior wall working scaffold with precast components (0.00 to 51.50 m) | m² | 40,58 |
| 15.185.1014 | Making fully-safe ceiling working scaffold with precast components (0.00 to 21.50 m) | m³ | 32,75 |
| | **APPLICATIONS OF VARIOUS BUILDING CHEMICALS** | | |
| 15.190.1001 | Application of basalt aggregate (gray) surface hardeners and curing (on fresh concrete) | m² | 31,95 |
| 15.190.1002 | Application of quartz aggregate (gray) surface hardeners and curing (on fresh concrete) | m² | 32,58 |
| 15.190.1003 | Application of quartz-corundum aggregate (gray) surface hardeners and curing (on fresh concrete) | m² | 35,39 |
| 15.190.1004 | Application of corundum aggregate (gray) surface hardeners and curing (on fresh concrete) | m² | 38,83 |
| 15.190.1005 | Grooving joints in 4 mm width and 40 mm depth, and filling polyethylene cylinder and polyurethane joint mastic (Field Concrete) | m | 23,26 |
| 15.190.1006 | Curing of fresh concrete surfaces (Field Concrete) | m² | 6,44 |
| 15.190.1007 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar | m² | 38,28 |
| 15.190.1008 | Curing roller-compacted concrete roads with paraffin-based curing material | m² | 10,33 |
| 15.190.1009 | Curing roller-compacted concrete roads with acrylic-based curing material | m² | 10,85 |
| 15.190.1010 | Curing roller-compacted concrete roads with water | 1000 m² | 173,98 |
| 15.190.1011 | Cutting joints 1/3 to 1/4 of the concrete thickness of roller-compacted concrete roads | m | 5,96 |
| 15.190.1012 | Applying 2.5-mm-thick, self-leveling, polyurethane-based flooring | m² | 439,39 |
| 15.190.1013 | For the surfaces that are requested to be applied 2.5-mm-thick, self-leveling, polyurethane-based flooring (ESD surface that does not hold static electricity on the surface but transmits it to the ground) | m² | 549,53 |
| 15.190.1014 | Applying 2.5-mm-thick, self-leveling, epoxy-based flooring | m² | 313,48 |
| 15.190.1015 | Coating with water-based, solvent-free, low-emission, bacteriostatic, two-component, polyurethane-based, clear or pigmented final layer coating material with matte surface finish on polyurethane-based flooring | m² | 48,94 |
| 15.190.1016 | Coating with anti-static, two-component, polyurethane-based, matte, water-based and low-emission coating material with ESD feature and matte surface finish on polyurethane-based - ESD surface flooring (that does not keep static electricity on the surface but transmits it to the ground) | m² | 103,13 |
| 15.190.1017 | Coating with polyurethane-based, colored, elastic, two-component final layer coating material with matte appearance on epoxy-based flooring | m² | 45,38 |
| 15.190.1018 | Coating with polyurethane-based, one-component, UV-resistant, protective final layer coating material with solvent on polyurea-based flooring | m² | 71,25 |
| 15.190.1019 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar | m² | 31,35 |
| | **INSTALLATION OF CONCRETE/REINFORCED CONCRETE PIPES** | | |
| 15.195.1001 | Installation of 1500-mm-long concrete pipes with integrated seal, Ø200-mm inner diameter and 30-40-mm thickness | m | 173,05 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.195.1002 | Installation of 1500-mm-long concrete pipes with integrated seal, Ø300-mm inner diameter and 45-50-mm thickness | m | 215,05 |
| 15.195.1003 | Installation of 1500-mm-long concrete pipes with integrated seal, Ø400-mm inner diameter and 45-55-mm thickness | m | 277,18 |
| 15.195.1004 | Installation of 2000-mm-long reinforced concrete pipes with integrated seal, Ø1000-mm inner diameter and 110-115-mm thickness | m | 1.224,80 |
| | **INSTALLATION OF DRAINAGE BOARDS** | | |
| 15.200.1001 | Supply and installation of HDPE-based drainage and protection boards on thermal insulators applied with water insulation and insulation pins for basement shear walls<br>150 ≤ Pressure Resistance < 200 kN/m² | m² | 23,28 |
| 15.200.1002 | Supply and installation of HDPE-based drainage and protection boards on thermal insulators applied with water insulation and insulation pins for basement shear walls<br>(200 ≤ Pressure Resistance < 250 kN/m²) | m² | 26,16 |
| 15.200.1003 | Supply and installation of HDPE-based drainage and protection boards on thermal insulators applied with water insulation and insulation pins for basement shear walls<br>(250 ≤ Pressure Resistance < 350 kN/m²) | m² | 30,76 |
| 15.200.1004 | Supply and installation of HDPE-based drainage and protection boards applied on water insulation for basement shear walls<br>150 ≤ Pressure Resistance < 200 kN/m² | m² | 27,75 |
| 15.200.1005 | Supply and installation of HDPE-based drainage and protection boards applied on water insulation for basement shear walls<br>(200 ≤ Pressure Resistance < 250 kN/m²) | m² | 30,64 |
| 15.200.1006 | Supply and installation of HDPE-based drainage and protection boards applied on water insulation for basement shear walls<br>(250 ≤ Pressure Resistance < 350 kN/m²) | m² | 35,24 |
| | **INSTALLATION OF DRAINAGE WITH PVC-BASED, CORRUGATED DRAINAGE PIPES** | | |
| 15.205.1001 | Supply and installation of PVC-based, corrugated drainage pipes with Ø100 mm nominal diameter | m | 14,59 |
| 15.205.1002 | Supply and installation of PVC-based, corrugated drainage pipes with Ø125 mm nominal diameter | m | 23,09 |
| 15.205.1003 | Supply and installation of PVC-based, corrugated drainage pipes with Ø160 mm nominal diameter | m | 34,71 |
| 15.205.1004 | Supply and installation of PVC-based, corrugated drainage pipes with Ø200 mm nominal diameter | m | 47,46 |
| | **STONE WORKS:** | | |
| 15.210.1001 | Construction of dry walls with quarry stones | m³ | 315,16 |
| 15.210.1002 | Masonry construction works with quarry stones and 200-kg/m³ cement mortar | m³ | 505,80 |
| 15.210.1003 | Masonry construction works with quarry-faced rubble stones and 200-kg/m³ cement mortar | m³ | 706,61 |
| 15.210.1004 | Rock buttressing with quarry stone | m³ | 290,00 |
| | **BRICK WORKS** | | |
| | **Building walls using horizontally perforated bricks (LD units)** | | |
| 15.220.1001 | Building walls using 85-mm-thick, horizontally perforated bricks (190 x 85 x 190 mm) | m² | 126,31 |
| 15.220.1002 | Building walls using 100-mm-thick, horizontally perforated bricks (200 x 100 x 200 mm) | m² | 131,44 |
| 15.220.1003 | Building walls using 120-mm-thick, horizontally perforated bricks (250 x 120 x 200 mm) | m² | 136,88 |
| 15.220.1004 | Building walls using 135-mm-thick, horizontally perforated bricks (190 x 135 x 190 mm) | m² | 142,33 |
| 15.220.1005 | Building walls using 190-mm-thick, horizontally perforated bricks (190 x 190 x 135 mm) | m² | 168,15 |
| 15.220.1006 | Building walls using 200-mm-thick, horizontally perforated bricks (250 x 200 x 250 mm) | m² | 181,83 |
| 15.220.1007 | Building walls using 240-mm-thick, horizontally perforated bricks (235 x 240 x 135 mm) | m² | 207,09 |
| 15.220.1008 | Building walls using 250-mm-thick, horizontally perforated bricks (240 x 250 x 190 mm) | m² | 209,21 |
| | **Building walls using vertically perforated bricks (P units) (Class W - 600-800 kg/m³)** | | |
| 15.220.1111 | Building a wall using 115-mm-thick, vertically-perforated bricks (240 x 115 x 235 mm) (Class W - 600-800 kg/m³) | m² | 164,56 |
| 15.220.1112 | Building a wall using 145-mm-thick, vertically-perforated bricks (240 x 145 x 235 mm) (Class W - 600-800 kg/m³) | m² | 184,06 |
| 15.220.1113 | Building a wall using 175-mm-thick, vertically-perforated bricks (240 x 175 x 235 mm) (Class W - 600-800 kg/m³) | m² | 205,70 |
| 15.220.1114 | Building a wall using 190-mm-thick, vertically-perforated bricks (290 x 190 x 235 mm) (Class W - 600-800 kg/m³) | m² | 216,70 |

15.100.-Construction Unit Prices and Definitions List

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.220.1115 | Building a wall using 240-mm-thick, vertically-perforated bricks (240 x 240 x 235 mm) (Class W - 600-800 kg/m³) | m² | 257,45 |
| 15.220.1116 | Building a wall using 250-mm-thick, vertically-perforated bricks (240 x 250 x 235 mm) (Class W - 600-800 kg/m³) | m² | 265,83 |
| 15.220.1117 | Building a wall using 300-mm-thick, vertically-perforated bricks (240 x 300 x 235 mm) (Class W - 600-800 kg/m³) | m² | 302,19 |
| | **Building walls using vertically perforated bricks (LD units) (Class AB - 650 kg/m³)** | | |
| 15.220.1201 | Building a wall using 190-mm-thick, vertically-perforated bricks (290 x 190 x 135 mm) (Class AB - 650 kg/m³) | m² | 194,33 |
| 15.220.1202 | Building a wall using 240-mm-thick, vertically-perforated bricks (290 x 240 x 190 mm) (Class AB - 650 kg/m³) | m² | 217,70 |
| 15.220.1203 | Building a wall using 290-mm-thick, vertically-perforated bricks (240 x 290 x 190 mm) (Class AB - 650 kg/m³) | m² | 253,21 |
| 15.220.1204 | Building a wall using 390-mm-thick, vertically-perforated bricks (190 x 390 x 190 mm) (Class AB - 650 kg/m³) | m² | 311,24 |
| | **Building walls using vertically perforated facing bricks (HD units)** | | |
| 15.220.1301 | Building walls using 90-mm-thick, vertically perforated exterior wall bricks (190 x 90 x 50 mm) | m² | 413,21 |
| 15.220.1302 | Building walls using 102-mm-thick, vertically perforated exterior wall bricks (215 x 102 x 65 mm) | m² | 529,26 |
| | **Building walls using vertically perforated bricks (HD units)** | | |
| 15.220.1401 | Building walls using 190-mm-thick, vertically perforated bricks (290 x 190 x 135 mm) | m² | 215,33 |
| 15.220.1402 | Building walls using 290-mm-thick, horizontally perforated bricks (190 x 290 x 135 mm) | m² | 284,10 |
| | **Building walls using clay bricks** | | |
| 15.220.1451 | Building walls using 90-mm-thick, solid clay bricks (190 x 90 x 50 mm) | m² | 244,51 |
| 15.220.1452 | Building walls using 90-mm-thick, perforated clay bricks (190 x 90 x 50 mm) | m² | 244,51 |
| | **Hollow tile flooring with hollow flooring tiles** | | |
| 15.220.1501 | Hollow tile flooring with 200-mm-high hollow flooring tiles (200 x 200 x 400 mm) | m² | 152,43 |
| 15.220.1502 | Hollow tile flooring with 225-mm-high hollow flooring tiles (225 x 200 x 400 mm) | m² | 169,14 |
| 15.220.1503 | Hollow tile flooring with 250-mm-high hollow flooring tiles (250 x 200 x 400 mm) | m² | 185,86 |
| 15.220.1504 | Hollow tile flooring with 275-mm-high hollow flooring tiles (275 x 200 x 400 mm) | m² | 204,23 |
| 15.220.1505 | Hollow tile flooring with 300-mm-high hollow flooring tiles (300 x 200 x 400 mm) | m² | 220,94 |
| 15.220.1506 | Hollow tile flooring with 325-mm-high hollow flooring tiles (325 x 200 x 400 mm) | m² | 237,66 |
| 15.220.1507 | Hollow tile flooring with 350-mm-high hollow flooring tiles (350 x 200 x 400 mm) | m² | 254,38 |
| | **Supply and placement of Reinforced Brick Lintel** | | |
| 15.220.1602 | Supply and placement of 12 to 13.5-cm-thickness, reinforced brick lintels | m | 283,56 |
| 15.220.1603 | Supply and placement of 14.5 to 16-cm-thickness, reinforced brick lintels | m | 296,63 |
| 15.220.1604 | Supply and placement of 18.5 to 20-cm-thickness, reinforced brick lintels | m | 329,63 |
| 15.220.1605 | Supply and placement of 23.5 to 25-cm-thickness, reinforced brick lintels | m | 362,14 |
| | **AAC WORKS** | | |
| | **Building walls with unreinforced AAC wall blocks (with AAC glue) (2.50 N/mm² and 400 kg/m³)** | | |
| 15.225.1001 | Building walls with 7.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 124,15 |
| 15.225.1002 | Building walls with 8.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 133,93 |
| 15.225.1003 | Building walls with 9-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 139,30 |
| 15.225.1004 | Building walls with 10-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 149,08 |
| 15.225.1005 | Building walls with 12.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 173,03 |
| 15.225.1006 | Building walls with 13.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 182,79 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.225.1007 | Building walls with 15-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 196,98 |
| 15.225.1008 | Building walls with 17.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 220,91 |
| 15.225.1009 | Building walls with 19-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 236,06 |
| 15.225.1010 | Building walls with 20-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 246,80 |
| 15.225.1011 | Building walls with 22.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 270,75 |
| 15.225.1012 | Building walls with 25-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 294,70 |
| 15.225.1013 | Building walls with 27.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 319,13 |
| 15.225.1014 | Building walls with 30-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 343,55 |
| 15.225.1015 | Building walls with 32.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 367,99 |
| 15.225.1016 | Building walls with 35-cm-thick unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm² and 400 kg/m³) | m² | 392,43 |
| | **Building walls with unreinforced AAC wall blocks (with AAC glue) (3.50 N/mm² and 500 kg/m³)** | | |
| 15.225.1051 | Building walls with 7.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 132,86 |
| 15.225.1052 | Building walls with 8.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 143,14 |
| 15.225.1053 | Building walls with 9-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 148,79 |
| 15.225.1054 | Building walls with 10-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 159,06 |
| 15.225.1055 | Building walls with 12.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 184,30 |
| 15.225.1056 | Building walls with 13.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 194,59 |
| 15.225.1057 | Building walls with 15-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 209,54 |
| 15.225.1058 | Building walls with 17.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 234,76 |
| 15.225.1059 | Building walls with 19-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 250,69 |
| 15.225.1060 | Building walls with 20-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 261,94 |
| 15.225.1061 | Building walls with 22.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 287,18 |
| 15.225.1062 | Building walls with 25-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 312,41 |
| 15.225.1063 | Building walls with 27.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 338,13 |
| 15.225.1064 | Building walls with 30-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 363,85 |
| 15.225.1065 | Building walls with 32.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 389,58 |
| 15.225.1066 | Building walls with 35-cm-thick unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm² and 500 kg/m³) | m² | 415,29 |
| | **Building walls with unreinforced AAC wall blocks (with AAC glue) (5.00 N/mm² and 600 kg/m³)** | | |
| 15.225.1101 | Building walls with 7.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 141,56 |
| 15.225.1102 | Building walls with 8.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 152,38 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.225.1103 | Building walls with 9-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 158,25 |
| 15.225.1104 | Building walls with 10-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 169,06 |
| 15.225.1105 | Building walls with 12.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 195,59 |
| 15.225.1106 | Building walls with 13.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 206,39 |
| 15.225.1107 | Building walls with 15-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 222,11 |
| 15.225.1108 | Building walls with 17.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 248,63 |
| 15.225.1109 | Building walls with 19-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 265,31 |
| 15.225.1110 | Building walls with 20-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 277,09 |
| 15.225.1111 | Building walls with 22.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 303,61 |
| 15.225.1112 | Building walls with 25-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 330,14 |
| 15.225.1113 | Building walls with 27.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 357,14 |
| 15.225.1114 | Building walls with 30-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 384,14 |
| 15.225.1115 | Building walls with 32.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 411,15 |
| 15.225.1116 | Building walls with 35-cm-thick unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm² and 600 kg/m³) | m² | 438,16 |
| | **Building walls with unreinforced AAC wall blocks (with AAC glue) (≥ 2.00 N/mm² and 350 kg/m³)** | | |
| 15.225.1151 | Building walls with 7.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 125,11 |
| 15.225.1152 | Building walls with 8.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 135,03 |
| 15.225.1153 | Building walls with 9-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 140,46 |
| 15.225.1154 | Building walls with 10-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 150,36 |
| 15.225.1155 | Building walls with 12.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 174,64 |
| 15.225.1156 | Building walls with 13.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 184,53 |
| 15.225.1157 | Building walls with 15-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 198,91 |
| 15.225.1158 | Building walls with 17.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 223,16 |
| 15.225.1159 | Building walls with 19-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 238,51 |
| 15.225.1160 | Building walls with 20-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 249,38 |
| 15.225.1161 | Building walls with 22.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 273,65 |
| 15.225.1162 | Building walls with 25-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 297,93 |
| 15.225.1163 | Building walls with 27.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 322,66 |
| 15.225.1164 | Building walls with 30-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 347,41 |
| 15.225.1165 | Building walls with 32.5-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 372,18 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.225.1166 | Building walls with 35-cm-thick unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm² and 350 kg/m³) | m² | 396,94 |
| | **Hollow tile flooring with AAC hollow blocks (2.50 N/mm² and 400 kg/m³)** | | |
| 15.225.1301 | Hollow tile flooring with 15-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 182,98 |
| 15.225.1302 | Hollow tile flooring with 17.5-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 211,18 |
| 15.225.1303 | Hollow tile flooring with 20-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 239,38 |
| 15.225.1304 | Hollow tile flooring with 22.5-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 267,58 |
| 15.225.1305 | Hollow tile flooring with 25-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 295,79 |
| 15.225.1306 | Hollow tile flooring with 27.5-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 323,99 |
| 15.225.1307 | Hollow tile flooring with 30-cm-high AAC hollow blocks (2.50 N/mm² and 400 kg/m³) | m² | 352,19 |
| | **Supply and installation of reinforced AAC lintel (3.50 N/mm² and 500 kg/m³)** | | |
| 15.225.1401 | Supply and installation of 7.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 209,06 |
| 15.225.1402 | Supply and installation of 8.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 233,71 |
| 15.225.1403 | Supply and installation of 9-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 246,75 |
| 15.225.1404 | Supply and installation of 10-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 271,40 |
| 15.225.1405 | Supply and installation of 12.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 332,38 |
| 15.225.1406 | Supply and installation of 13.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 357,05 |
| 15.225.1407 | Supply and installation of 15-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 394,74 |
| 15.225.1408 | Supply and installation of 17.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 455,71 |
| 15.225.1409 | Supply and installation of 19-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 493,40 |
| 15.225.1410 | Supply and installation of 20-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 519,44 |
| 15.225.1411 | Supply and installation of 22.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 580,40 |
| 15.225.1412 | Supply and installation of 25-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 641,40 |
| 15.225.1413 | Supply and installation of 27.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 703,06 |
| 15.225.1414 | Supply and installation of 30-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 764,71 |
| 15.225.1415 | Supply and installation of 32.5-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 826,40 |
| 15.225.1416 | Supply and installation of 35-cm-thick reinforced AAC lintel (3.50 N/mm² and 500 kg/m³) | m² | 888,05 |
| | **Supply and installation of reinforced AAC lintel (5.00 N/mm² and 600 kg/m³)** | | |
| 15.225.1451 | Supply and installation of 7.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 225,60 |
| 15.225.1452 | Supply and installation of 8.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 251,54 |
| 15.225.1453 | Supply and installation of 9-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 265,21 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.225.1454 | Supply and installation of 10-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 291,15 |
| 15.225.1455 | Supply and installation of 12.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 355,35 |
| 15.225.1456 | Supply and installation of 13.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 381,31 |
| 15.225.1457 | Supply and installation of 15-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 420,93 |
| 15.225.1458 | Supply and installation of 17.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 485,13 |
| 15.225.1459 | Supply and installation of 19-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 524,74 |
| 15.225.1460 | Supply and installation of 20-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 552,06 |
| 15.225.1461 | Supply and installation of 22.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 616,25 |
| 15.225.1462 | Supply and installation of 25-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 680,46 |
| 15.225.1463 | Supply and installation of 27.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 745,35 |
| 15.225.1464 | Supply and installation of 30-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 810,21 |
| 15.225.1465 | Supply and installation of 32.5-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 875,13 |
| 15.225.1466 | Supply and installation of 35-cm-thick reinforced AAC lintel (5.00 N/mm² and 600 kg/m³) | m² | 939,99 |
| | **Constructing load-carrying floors with reinforced AAC flooring elements and a crane (5.00 N/mm²) and (600 kg/m³)** | | |
| 15.225.1601 | Constructing load-carrying floors with 10-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 302,26 |
| 15.225.1602 | Constructing load-carrying floors with 12.5-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 363,86 |
| 15.225.1603 | Constructing load-carrying floors with 15-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 425,46 |
| 15.225.1604 | Constructing load-carrying floors with 17.5-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 487,05 |
| 15.225.1605 | Constructing load-carrying floors with 20-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 548,65 |
| 15.225.1606 | Constructing load-carrying floors with 22.5-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 610,25 |
| 15.225.1607 | Constructing load-carrying floors with 25-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 671,84 |
| 15.225.1608 | Constructing load-carrying floors with 27.5-cm-thick reinforced AAC flooring elements, using crane (5.00 N/mm² and 600 kg/m³) | m² | 733,44 |
| | **Building a load-carrying roof with reinforced AAC roofing elements using a crane (3.50 N/mm² and 500 kg/m³)** | | |
| 15.225.1701 | Building a load-carrying roof using 10-cm-thick reinforced AAC roof components and a crane (3.50 N/mm² and 500 kg/m³) | m² | 265,66 |
| 15.225.1702 | Building a load-carrying roof using 12.5-cm-thick reinforced AAC roof components and a crane (3.50 N/mm² and 500 kg/m³) | m² | 320,18 |
| 15.225.1703 | Building a load-carrying roof using 15-cm-thick reinforced AAC roof components and a crane (3.50 N/mm² and 500 kg/m³) | m² | 374,69 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.225.1704 | Building a load-carrying roof using 17.5-cm-thick reinforced AAC roof components and a crane (3.50 N/mm² and 500 kg/m³) | m² | 429,21 |
| 15.225.1705 | Building a load-carrying roof using 20-cm-thick reinforced AAC roof components and a crane (3.50 N/mm² and 500 kg/m³) | m² | 483,73 |
| | **Building a load-carrying roof with reinforced AAC roofing elements using a crane (5.00 N/mm² and 600 kg/m³)** | | |
| 15.225.1801 | Building a load-carrying roof using 10-cm-thick reinforced AAC roof components and a crane (5.00 N/mm² and 600 kg/m³) | m² | 302,26 |
| 15.225.1802 | Building a load-carrying roof using 12.5-cm-thick reinforced AAC roof components and a crane (5.00 N/mm² and 600 kg/m³) | m² | 363,86 |
| 15.225.1803 | Building a load-carrying roof using 15-cm-thick reinforced AAC roof components and a crane (5.00 N/mm² and 600 kg/m³) | m² | 425,46 |
| 15.225.1804 | Building a load-carrying roof using 17.5-cm-thick reinforced AAC roof components and a crane (5.00 N/mm² and 600 kg/m³) | m² | 487,05 |
| 15.225.1805 | Building a load-carrying roof using 20-cm-thick reinforced AAC roof components and a crane (5.00 N/mm² and 600 kg/m³) | m² | 548,65 |
| | **Building a wall with reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³)** | | |
| 15.225.1901 | Building a wall with 10-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 297,61 |
| 15.225.1902 | Building a wall with 12.5-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 354,94 |
| 15.225.1903 | Building a wall with 15-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 412,28 |
| 15.225.1904 | Building a wall with 17.5-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 469,59 |
| 15.225.1905 | Building a wall with 20-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 526,93 |
| 15.225.1906 | Building a wall with 22.5-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 584,25 |
| 15.225.1907 | Building a wall with 25-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 641,58 |
| 15.225.1908 | Building a wall with 27.5-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 698,90 |
| 15.225.1909 | Building a wall with 30-cm-thick reinforced AAC wall elements, using a crane (3.50 N/mm² and 500 kg/m³) | m² | 756,24 |
| | **Building a wall with reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³)** | | |
| 15.225.2001 | Building a wall with 10-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 346,21 |
| 15.225.2002 | Building a wall with 12.5-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 413,68 |
| 15.225.2003 | Building a wall with 15-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 481,14 |
| 15.225.2004 | Building a wall with 17.5-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 548,61 |
| 15.225.2005 | Building a wall with 20-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 616,06 |
| 15.225.2006 | Building a wall with 22.5-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 683,55 |
| 15.225.2007 | Building a wall with 25-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 751,00 |
| 15.225.2008 | Building a wall with 27.5-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 818,48 |
| 15.225.2009 | Building a wall with 30-cm-thick reinforced AAC wall elements, using a crane (5.00 N/mm² and 600 kg/m³) | m² | 885,94 |
| | **Thermal insulation of roofs and flooring with unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³)** | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.225.2101 | Thermal insulation of roofs and flooring with 5-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 58,35 |
| 15.225.2102 | Thermal insulation of roofs and flooring with 7.5-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 83,39 |
| 15.225.2103 | Thermal insulation of roofs and flooring with 8.5-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 95,89 |
| 15.225.2104 | Thermal insulation of roofs and flooring with 10-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 112,56 |
| 15.225.2105 | Thermal insulation of roofs and flooring with 12.5-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 137,61 |
| 15.225.2106 | Thermal insulation of roofs and flooring with 15-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 162,66 |
| 15.225.2107 | Thermal insulation of roofs and flooring with 17.5-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 187,70 |
| 15.225.2108 | Thermal insulation of roofs and flooring with 20-cm-thick unreinforced AAC insulation panels (2.50 N/mm² and 400 kg/m³) | m² | 212,75 |
| | **PUMICE CONCRETE WORKS** | | |
| | **Building walls with non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³)** | | |
| 15.230.1001 | Building walls with 9-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 90,44 |
| 15.230.1002 | Building walls with 10-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 95,53 |
| 15.230.1003 | Building walls with 13.5-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 110,15 |
| 15.230.1004 | Building walls with 15-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 116,84 |
| 15.230.1005 | Building walls with 17.5-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 127,43 |
| 15.230.1006 | Building walls with 19-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 135,06 |
| 15.230.1007 | Building walls with 25-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 161,01 |
| 15.230.1008 | Building walls with 30-cm-thick, non-load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm² and 600-900 kg/m³, excluding 900 kg/m³) | m² | 180,70 |
| | **Building walls with load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm² and min. 900 kg/m³)** | | |
| 15.230.1101 | Building walls with 10-cm-thick, load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm² and min. 900 kg/m³) | m² | 110,10 |
| 15.230.1102 | Building walls with 15-cm-thick, load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm² and min. 900 kg/m³) | m² | 133,48 |
| 15.230.1103 | Building walls with 19-cm-thick, load-carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm² and min. 900 kg/m³) | m² | 151,06 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| | **Hollow tile flooring with pumice concrete hollow blocks (min. 400 kg/m³)** | | |
| 15.230.1201 | Hollow tile flooring with 20-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 119,94 |
| 15.230.1202 | Hollow tile flooring with 22-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 130,69 |
| 15.230.1203 | Hollow tile flooring with 23-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 136,06 |
| 15.230.1204 | Hollow tile flooring with 25-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 146,81 |
| 15.230.1205 | Hollow tile flooring with 28-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 161,63 |
| 15.230.1206 | Hollow tile flooring with 30-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 173,69 |
| 15.230.1207 | Hollow tile flooring with 32-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 185,81 |
| 15.230.1208 | Hollow tile flooring with 35-cm-high pumice concrete hollow blocks (min. 400 kg/m³) | m² | 199,25 |
| | **Supply and installation of reinforced pumice concrete lintel** | | |
| 15.230.1301 | Supply and installation of 10-cm-thick reinforced pumice concrete lintel | m² | 168,01 |
| 15.230.1302 | Supply and installation of 13.5-cm-thick reinforced pumice concrete lintel | m² | 223,90 |
| 15.230.1303 | Supply and installation of 15-cm-thick reinforced pumice concrete lintel | m² | 246,09 |
| 15.230.1304 | Supply and installation of 19-cm-thick reinforced pumice concrete lintel | m² | 309,83 |
| | **LIGHTWEIGHT SANDWICH MASONRY UNITS WITH AN INSULATION LAYER** | | |
| 15.235.1001 | Building walls with lightweight sandwich masonry units with an insulation layer, 14 cm total thickness, 5.5 cm EPS thickness, and 2.5 N/mm² compressive strength | m² | 249,39 |
| 15.235.1002 | Building walls with lightweight sandwich masonry units with an insulation layer, 15 cm total thickness, 6 cm EPS thickness, and 0.9 N/mm² compressive strength | m² | 160,61 |
| 15.235.1003 | Building walls with lightweight sandwich masonry units with an insulation layer, 19 cm total thickness, 6 cm EPS thickness, and 0.9 N/mm² compressive strength | m² | 172,40 |
| 15.235.1004 | Building walls with lightweight sandwich masonry units with an insulation layer, 19.5 cm total thickness, 8.5 cm EPS thickness, and 2.5 N/mm² compressive strength | m² | 289,43 |
| 15.235.1005 | Building walls with lightweight sandwich masonry units with an insulation layer, 20 cm total thickness, 6 cm EPS thickness, and 1 N/mm² compressive strength | m² | 174,71 |
| | **EPS-ADDED CONCRETE BLOCK WORKS** | | |
| | **Wall Production** | | |
| 15.235.1024 | Building walls with 10-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 134,55 |
| 15.235.1025 | Building walls with 12-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 151,46 |
| 15.235.1027 | Building walls with 15-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 175,53 |
| 15.235.1028 | Building walls with 17.5-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 195,33 |
| 15.235.1031 | Building walls with 20-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 217,75 |
| 15.235.1032 | Building walls with 22.5-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 238,24 |
| 15.235.1033 | Building walls with 25-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 258,73 |
| 15.235.1034 | Building walls with 27.5-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 279,01 |
| 15.235.1035 | Building walls with 30-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 299,98 |
| 15.235.1036 | Building walls with 32.5-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 320,95 |
| 15.235.1037 | Building walls with 35-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 341,93 |
| 15.235.1038 | Building walls with 37.5-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 362,21 |
| 15.235.1039 | Building walls with 40-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 383,18 |
| 15.235.1043 | Building walls with 50-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 466,38 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.235.1047 | Building walls with 60-cm-thick EPS-added blocks (with EPS-added concrete block glue) | m² | 547,40 |
| | **Productions of Hollow Tile Flooring** | | |
| 15.235.1051 | Hollow tile flooring with 15-cm-high EPS-added blocks | m² | 161,65 |
| 15.235.1052 | Hollow tile flooring with 17.5-cm-high EPS-added blocks | m² | 183,38 |
| 15.235.1053 | Hollow tile flooring with 20-cm-high EPS-added blocks | m² | 210,50 |
| 15.235.1054 | Hollow tile flooring with 22.5-cm-high EPS-added blocks | m² | 234,93 |
| 15.235.1055 | Hollow tile flooring with 25-cm-high EPS-added blocks | m² | 260,03 |
| 15.235.1056 | Hollow tile flooring with 27.5-cm-high EPS-added blocks | m² | 284,45 |
| 15.235.1057 | Hollow tile flooring with 30-cm-high EPS-added blocks | m² | 308,88 |
| 15.235.1058 | Hollow tile flooring with 32.5-cm-high EPS-added blocks | m² | 333,30 |
| 15.235.1059 | Hollow tile flooring with 35-cm-high EPS-added blocks | m² | 358,40 |
| 15.235.1060 | Hollow tile flooring with 37.5-cm-high EPS-added blocks | m² | 382,83 |
| 15.235.1061 | Hollow tile flooring with 40-cm-high EPS-added blocks | m² | 407,25 |
| | **BRICK-LAYING WORKS USING LIME-SANDSTONE** | | |
| 15.240.1001 | Building 11.5-cm-thick walls with lime sandstone sized (37.5 x 11.5 x 19 cm) (application with glue) | m² | 100,90 |
| 15.240.1002 | Building 19-cm-thick walls with lime sandstone sized (37.5 x 19 x 19 cm) (application with glue) | m² | 131,14 |
| 15.240.1003 | Building 24-cm-thick walls with lime sandstone sized (37.5 x 24 x 19 cm) (application with glue) | m² | 147,74 |
| | **LAYING OF GEOTEXTILE FELT** | | |
| 15.245.1001 | Laying of 150 g/m² of geotextile felt | m² | 8,90 |
| 15.245.1002 | Laying of 250 g/m² of geotextile felt | m² | 10,41 |
| 15.245.1003 | Laying of 500 g/m² of geotextile felt | m² | 14,61 |
| | **LEVELING WORKS** | | |
| 15.250.1001 | Application of a leveling coat with 200 kg/m³ cement content | m² | 55,91 |
| | **SCREED WORKS** | | |
| 15.250.1101 | Application of 2.5-cm-thick screed with 400 kg/m³ cement content | m² | 80,09 |
| 15.250.1102 | Application of 2.5-cm-thick screed with 450 kg/m³ cement content | m² | 81,15 |
| 15.250.1103 | Application of 2.5-cm-thick screed with 500 kg/m³ cement content | m² | 83,20 |
| 15.250.1104 | Machine-preparing plaster-based screed with 2.5 cm thickness on average | m² | 77,66 |
| | **WATER INSULATION WITH POLYMER BITUMEN SHEETS** | | |
| 15.255.1001 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm-thick plastomer-based glass tissue carriers (bent at -5°C) and 3-mm-thick plastomer-based (bent at -5°C) polyester felt carriers | m² | 127,98 |
| 15.255.1002 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm-thick plastomer-based glass tissue carriers (bent at -10°C) and 3-mm-thick plastomer-based (bent at -10°C) polyester felt carriers | m² | 133,73 |
| 15.255.1003 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm-thick elastomer-based glass tissue carriers (bent at -20°C) and 3-mm-thick elastomer-based (bent at -20°C) polyester felt carriers | m² | 149,54 |
| 15.255.1004 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm-thick plastomer-based (bent at -5°C) polyester felt carriers | m² | 135,16 |
| 15.255.1005 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm-thick plastomer-based (bent at -10°C) polyester felt carriers | m² | 140,91 |
| 15.255.1006 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm-thick elastomer-based (bent at -20°C) polyester felt carriers | m² | 161,04 |
| 15.255.1007 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm and 4-mm-thick plastomer-based (bent at -5°C) polyester felt carriers | m² | 145,23 |
| 15.255.1008 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm and 4-mm-thick plastomer-based (bent at -10°C) polyester felt carriers | m² | 150,98 |
| 15.255.1009 | Installation of duplex water insulation with polymer bitumen sheets with 3-mm and 4-mm-thick elastomer-based (bent at -20°C) polyester felt carriers | m² | 172,54 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.255.1010 | Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm-thick plastomer-based glass tissue carriers (bent at -5°C) and 3-mm-thick plastomer-based (bent at -5°C) polyester felt carriers | m² | 138,04 |
| 15.255.1011 | Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm-thick plastomer-based glass tissue carriers (bent at -10°C) and 3-mm-thick plastomer-based (bent at -10°C) polyester felt carriers | m² | 143,79 |
| 15.255.1012 | Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm-thick elastomer-based glass tissue carriers (bent at -20°C) and 3-mm-thick elastomer-based polyester felt carriers (bent at -20°C) | m² | 159,60 |
| 15.255.1013 | Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm-thick plastomer-based polyester felt carriers (bent at -5°C) and 3-mm-thick plastomer-based (bent at -5°C) polyester felt carriers | m² | 145,23 |
| 15.255.1014 | Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm-thick plastomer-based polyester felt carriers (bent at -10°C) and 3-mm-thick plastomer-based (bent at -10°C) polyester felt carriers | m² | 150,98 |
| 15.255.1015 | Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm-thick elastomer-based polyester felt carriers (bent at -20°C) and 3-mm-thick elastomer-based (bent at -20°C) polyester felt carriers | m² | 171,10 |
| 15.255.1016 | Installation of single-layer water insulation with polymer bitumen sheets mineral-coated on one side, and with 4.3-mm-thick plastomer-based polyester felt carriers (bent at -5°C) | m² | 90,39 |
| 15.255.1017 | Installation of single-layer water insulation with polymer bitumen sheets mineral-coated on one side, and with 4.3-mm-thick plastomer-based polyester felt carriers (bent at -10°C) | m² | 94,70 |
| 15.255.1018 | Installation of single-layer water insulation with polymer bitumen sheets mineral-coated on one side, and with 4.3-mm-thick elastomer-based polyester felt carriers (bent at -20°C) | m² | 106,20 |
| 15.255.1019 | Installation of single-layer water insulation with polymer bitumen sheets metal foil-coated on one side, and with 3-mm-thick plastomer-based polyester felt carriers (bent at -10°C) | m² | 94,70 |
| 15.255.1020 | Installation of single-layer water insulation with polymer bitumen sheets metal foil-coated on one side, and with 3-mm-thick elastomer-based polyester felt carriers (bent at -20°C) | m² | 114,83 |
| 15.255.1021 | Installation of single-layer insulation with polymer bitumen sheets with 3-mm-thick plastomer-based glass tissue carriers (bent at -5°C) | m² | 65,95 |
| 15.255.1022 | Installation of single-layer insulation with polymer bitumen sheets with 3-mm-thick plastomer-based polyester felt carriers (bent at -5°C) | m² | 73,14 |
| 15.255.1023 | Installation of single-layer insulation with polymer bitumen sheets with 3-mm-thick plastomer-based glass tissue carriers (bent at -10°C) | m² | 68,83 |
| 15.255.1024 | Installation of single-layer insulation with polymer bitumen sheets with 3-mm-thick plastomer-based polyester felt carriers (bent at -10°C) | m² | 76,01 |
| 15.255.1025 | Installation of single-layer insulation with polymer bitumen sheets with 3-mm-thick elastomer-based glass tissue carriers (bent at -20°C) | m² | 74,58 |
| 15.255.1026 | Installation of single-layer insulation with polymer bitumen sheets with 3-mm-thick elastomer-based polyester felt carriers (bent at -20°C) | m² | 86,08 |
| | **WATER INSULATION WITH GEOMEMBRANES FOR CONSTRUCTION OF BUILDINGS** | | |
| 15.260.1001 | Water insulation with 1.5-mm-thick PVC-based geomembrane (plain or with signal layer) | m² | 91,70 |
| 15.260.1002 | Water insulation with 2-mm-thick PVC-based geomembrane (plain or with signal layer) | m² | 112,70 |
| 15.260.1003 | Water insulation with 1.5-mm-thick PVC-based geomembrane (UV-resistant, reinforced) | m² | 98,26 |
| 15.260.1004 | Water insulation with 2-mm-thick PVC-based geomembrane (UV-resistant, reinforced) | m² | 120,58 |
| 15.260.1005 | Water insulation with 1.5-mm-thick HDPE-based geomembrane (plain or with signal layer) | m² | 79,89 |
| 15.260.1006 | Water insulation with 2-mm-thick HDPE-based geomembrane (plain or with signal layer) | m² | 96,95 |
| 15.260.1007 | Water insulation with 1.5-mm-thick HDPE-based geomembrane (UV-resistant, reinforced) | m² | 86,45 |
| 15.260.1008 | Water insulation with 2-mm-thick HDPE-based geomembrane (UV-resistant, reinforced) | m² | 104,83 |
| 15.260.1009 | Water insulation with 1.5-mm-thick LDPE-based geomembrane (plain or with signal layer) | m² | 79,89 |
| 15.260.1010 | Water insulation with 2-mm-thick LDPE-based geomembrane (plain or with signal layer) | m² | 96,95 |
| 15.260.1011 | Water insulation with 1.5-mm-thick EPDM-based geomembrane (plain or with signal layer) | m² | 161,26 |
| 15.260.1012 | Water insulation with 2-mm-thick EPDM-based geomembrane (plain or with signal layer) | m² | 207,20 |
| 15.260.1013 | Water insulation with 1.5-mm-thick TPO-based geomembrane (UV-resistant, reinforced) | m² | 119,26 |
| 15.260.1014 | Water insulation with 2-mm-thick TPO-based geomembrane (UV-resistant, reinforced) | m² | 149,45 |
| | **WATER INSULATION WITH HDPE and PP BOARDS** | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.265.1001 | Water insulation with 3-mm-thick HDPE boards | m² | 164,56 |
| 15.265.1002 | Water insulation with 4-mm-thick HDPE boards | m² | 209,71 |
| 15.265.1003 | Water insulation with 5-mm-thick HDPE boards | m² | 253,55 |
| 15.265.1004 | Water insulation with 3-mm-thick PP boards | m² | 155,31 |
| 15.265.1005 | Water insulation with 4-mm-thick PP boards | m² | 200,45 |
| 15.265.1006 | Water insulation with 5-mm-thick PP boards | m² | 245,59 |
| | **WATER INSULATION WITH SPREAD AND SPRAYED MATERIALS** | | |
| 15.270.1001 | Water insulation in two layers with 1 mm total thickness, using elastomeric resin-based liquid plastic coating material | m² | 104,88 |
| 15.270.1002 | Water insulation in two mesh-reinforced layers with 1 mm total thickness, using elastomeric resin-based liquid plastic coating material | m² | 112,09 |
| 15.270.1003 | Water insulation in three layers with 1.5 mm total thickness, using elastomeric resin-based liquid plastic coating material | m² | 138,13 |
| 15.270.1004 | Water insulation in mesh-reinforced three layers with 1.5 mm total thickness, using elastomeric resin-based liquid plastic coating material | m² | 145,34 |
| 15.270.1005 | Two layers of 1.5-mm-thick water insulation with cement-based, polymer-modified, two-component, ready-to-use insulation mortar | m² | 91,19 |
| 15.270.1006 | Two layers of 1.5-mm-thick water insulation with cement-based, polymer-modified, two-component, ready-to-use insulation mortar and mesh reinforcement | m² | 98,40 |
| 15.270.1007 | Water insulation in 3 layers with a total thickness of 2 mm with cement-based, polymer-modified, two-component, ready-to-use insulation mortar | m² | 111,34 |
| 15.270.1008 | Water insulation in three layers with a total thickness of 2 mm with cement-based, polymer-modified, two-component, ready-to-use insulation mortar and mesh reinforcement | m² | 118,55 |
| 15.270.1009 | Water insulation in 2 layers with a total thickness of 1.5 mm with cement-based, one-component, crystallized water insulation mortar | m² | 80,70 |
| 15.270.1010 | Water insulation in 2 layers with a total thickness of 1.5 mm with cement-based, one-component, crystallized water insulation mortar and mesh reinforcement | m² | 87,91 |
| 15.270.1011 | Water insulation in 3 layers with a total thickness of 2 mm with cement-based, one-component, crystallized water insulation mortar | m² | 97,36 |
| 15.270.1012 | Water insulation in 3 layers with a total thickness of 2 mm with cement-based, one-component, crystallized water insulation mortar and mesh reinforcement | m² | 104,58 |
| 15.270.1101 | Making 2-mm-thickness water insulation using hybrid Polyurea-based, two-component water insulation agent | m² | 312,69 |
| 15.270.1111 | Making 2-mm-thickness water insulation using 100% Pure Polyurea-based, two-component water insulation agent | m² | 496,94 |
| | **WATER INSULATION WITH GEOSYNTHETIC CLAY COVER ON BUILDING FOUNDATIONS** | | |
| 15.270.1202 | Water insulation with geosynthetic clay cover on building foundations (Bottom Layer 100 g/m² PP Braided Geotextile, Top Layer 200 g/m² PP Unbraided Geotextile, Total Weight: 5500 g/m²) | m² | 53,75 |
| 15.270.1203 | Water insulation with geosynthetic clay cover on building foundations (Bottom Layer 100 g/m² PP Braided Geotextile, Top Layer 200 g/m² PP Unbraided Geotextile, Total Weight: 6500 g/m²) | m² | 55,81 |
| | **JOINTING AND POINTING** | | |
| 15.275.1001 | Making flush grooved joints on stone wall surfaces | m² | 44,46 |
| 15.275.1002 | Making relief joints on stone wall surfaces | m² | 49,59 |
| | **PLASTERING** | | |
| 15.275.1101 | Plastering with rough and fine mortar with 250/350 kg/m³ cement content (exterior plaster) | m² | 118,70 |
| 15.275.1102 | Plastering with rough and fine mortar with 200/250 kg lime/cement mixture content (interior plaster) | m² | 107,06 |
| 15.275.1103 | Plastering with rough and fine mortar with 250/350 kg lime/cement mixture content (ceiling plaster) | m² | 110,26 |
| 15.275.1104 | Rough plastering with rough and fine mortar with 250/350 kg/m³ cement content | m² | 87,64 |
| 15.275.1105 | Applying single layer fine plaster with 350 kg/m³ cement content | m² | 78,30 |
| 15.275.1106 | Applying a single layer of mortar with 250 kg cement dosed mortar | m² | 71,41 |
| 15.275.1107 | Applying a single layer of mortar with 200 kg mixture of Cement and Lime (interior) | m² | 73,99 |
| | **FILLING OF THE BACK OF METAL DOOR FRAME** | | |
| 15.275.9991 | Filling the back of metal door frames with concrete grout | m² | 100,76 |
| | **GYPSUM PLASTER AND LINING WORKS** | | |
| 15.280.1009 | Coating with perlite plaster mortar and satin mortar (on concrete, brick wall, and other similar surfaces) | m² | 107,66 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.280.1010 | Applying repair plaster with 5 mm thickness on average made by a mixture of perlite plaster mortar and satin plaster (For rough plaster, exposed concrete surfaces, perlite plaster surfaces, etc.) | m² | 37,83 |
| 15.280.1011 | Satin gypsum coating (1 mm thickness on average) | m² | 21,61 |
| 15.280.1012 | 15-mm-thick, single layer plastering of ceilings with machine-applied plaster | m² | 77,33 |
| 15.280.1013 | 20-mm-thick, single layer plastering of walls with machine-applied plaster (on concrete, brick and similar other surfaces) | m² | 85,54 |
| | **APPLICATION OF INSULATION PLASTER** | | |
| 15.285.1001 | Application of 2-cm-thick plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSI) | m² | 129,06 |
| 15.285.1002 | Application of 3-cm-thick plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSI) | m² | 178,28 |
| 15.285.1003 | Application of 4-cm-thick plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSI) | m² | 227,49 |
| 15.285.1011 | Application of 2-cm-thick plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSII) | m² | 133,19 |
| 15.285.1012 | Application of 3-cm-thick plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSII) | m² | 184,46 |
| 15.285.1013 | Application of 4-cm-thick plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSII) | m² | 235,74 |
| | **WOODEN ROOF** | | |
| 15.300.1001 | Building wooden free-standing roof (wood paneling under the roofing) | m² | 386,40 |
| 15.300.1002 | Building wooden free-standing roof (OSB/3 paneling under the roofing) | m² | 381,81 |
| 15.300.1003 | Building wooden truss roof | m³ | 8.089,65 |
| 15.300.1004 | Building truss roof made of planed wood | m³ | 8.391,05 |
| 15.300.1005 | Wood paneling on the roof | m² | 174,04 |
| 15.300.1006 | OSB/3 paneling on the roof | m² | 144,31 |
| 15.300.1007 | Eaves fascia and below-eaves | m² | 290,53 |
| | **CLAY TILE ROOFING WORKS** | | |
| 15.305.1001 | Roofing with top and bottom bricks (pantile) (Tightness Class: Group 1) (Resistant to 150 freezing - thawing cycles) (3-lath system) | m² | 416,94 |
| 15.305.1002 | Roofing with top and bottom bricks (pantile) (Tightness Class: Group 1) (Resistant to 90 freezing - thawing cycles) (3-lath system) | m² | 397,25 |
| 15.305.1003 | Roofing with tiles with interlocking side and top edges (Tightness Class: Group 1) (Resistant to 150 freezing - thawing cycles) (2-lath system) | m² | 246,75 |
| 15.305.1004 | Roofing with tiles with interlocking side and top edges (Tightness Class: Group 1) (Resistant to 90 freezing - thawing cycles) (2-lath system) | m² | 233,63 |
| 15.305.1005 | Building ridges using ridge tiles (Tightness Class: Group 1) (Resistant to 150 freezing - thawing cycles) | m | 204,74 |
| 15.305.1006 | Building ridges using ridge tiles (Tightness Class: Group 1) (Resistant to 90 freezing - thawing cycles) | m | 194,90 |
| | **ROOFING WITH CONCRETE / PERLITE CONCRETE TILES** | | |
| 15.305.1201 | Roofing with colorless concrete tiles (double-lath system) | m² | 225,75 |
| 15.305.1202 | Roofing with concrete tiles painted in iron oxide (2-lath system) | m² | 244,13 |
| 15.305.1203 | Roofing with concrete tiles with color glazing, and painted in iron oxide and (2-lath system) | m² | 263,81 |
| 15.305.1204 | Building ridges with colorless concrete ridge tiles | m | 219,99 |
| 15.305.1205 | Building ridges with concrete ridge tiles painted in iron oxide | m | 235,74 |
| 15.305.1206 | Building ridges with concrete ridge tiles painted in iron oxide and with colored glazing | m | 252,80 |
| 15.305.1207 | Roofing with colorless perlite concrete tiles (2-lath system) | m² | 210,00 |
| 15.305.1208 | Roofing with perlite concrete tiles painted in iron oxide (2-lath system) | m² | 224,44 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.305.1209 | Roofing with perlite concrete tiles with color glazing, and painted in iron oxide and (2-lath system) | m² | 244,13 |
| 15.305.1210 | Building ridges with colorless perlite concrete ridge tiles | m | 213,43 |
| 15.305.1211 | Building ridges with perlite concrete ridge tiles painted in iron oxide | m | 221,30 |
| 15.305.1212 | Building ridges with concrete ridge tiles painted in iron oxide and with colored glazing | m | 243,61 |
| 15.305.1213 | Water insulation of walls, chimney bottoms, etc. using self-adhesive, aluminum-reinforced, UV-resistant chimney bottom tapes coated with polybutylene/vulcanized thermoplastic (TPV) (Total width: 25 to 40 cm) | m | 207,04 |
| 15.305.1214 | Sealing of insulation finishes with an aluminum pressure bar and polyurethane mastic | m | 70,85 |
| 15.305.1215 | Making roof valleys with PVC-based, self-channeled, UV-resistant, vane-type groove/inclined gutter water insulation (min. 50 cm wide) | m | 167,43 |
| | **TIN WORKS** | | |
| | **Production and installation of vertical rainwater downpipes** | | |
| 15.310.1001 | Production and installation of vertical rainwater downpipes 150 mm in diameter, made of no. 12 zinc sheets. | m | 283,14 |
| 15.310.1002 | Production and installation of vertical rainwater downpipes 120 mm in diameter, made of no. 12 zinc sheets. | m | 243,54 |
| 15.310.1003 | Production and installation of vertical rainwater downpipes 100 mm in diameter, made of no. 12 zinc sheets. | m | 217,20 |
| 15.310.1004 | Production and installation of vertical rainwater downpipes 100 mm in diameter, made of no. 10 zinc sheets. | m | 188,06 |
| 15.310.1005 | Production and installation of vertical rainwater downpipes 80 mm in diameter, made of no. 10 zinc sheets. | m | 172,80 |
| 15.310.1006 | Production and installation of vertical rainwater downpipes 80 mm in diameter, made of no. 12 zinc sheets. | m | 197,73 |
| 15.310.1007 | Production and installation of vertical rainwater downpipes 75 mm in diameter, made of no. 10 zinc sheets. | m | 162,60 |
| 15.310.1008 | Production and installation of vertical rainwater downpipes 70 mm in diameter, made of no. 10 zinc sheets. | m | 148,26 |
| | **Production and installation of rain gutters** | | |
| 15.310.1101 | Manufacture and installation of rain gutters 240 mm in diameter, made of no. 14 zinc sheets. | m | 569,59 |
| 15.310.1102 | Production and installation of rain gutters 185 mm in diameter, made of no. 12 zinc sheets. | m | 434,69 |
| 15.310.1103 | Production and installation of rain gutters 155 mm in diameter, made of no. 12 zinc sheets. | m | 391,54 |
| 15.310.1104 | Production and installation of rain gutters 130 mm in diameter, made of no. 12 zinc sheets. | m | 350,13 |
| 15.310.1105 | Production and installation of rain gutters 110 mm in diameter, made of no. 12 zinc sheets. | m | 325,98 |
| 15.310.1106 | Production and installation of rain gutters 90 mm in diameter, made of no. 12 zinc sheets. | m | 293,80 |
| | **Other tin works** | | |
| 15.310.1201 | Production and installation of inclined roof valleys made of zinc no. 14 | m | 387,66 |
| 15.310.1202 | Production and installation of horizontal roof valleys in the form of gutter, made of zinc no. 14 | m | 721,53 |
| 15.310.1203 | Production and installation of rainwater hoppers sized 30 x 40 x 30 cm made of no. 12 zinc sheet | Qty | 621,61 |
| 15.310.1204 | Production and installation of roof valleys made of zinc no. 14 for the back of the attic wall | m | 800,58 |
| 15.310.1205 | Production and installation of flashing sheets, chimney edges, roof examination windows and roof lantern bases, made of no. 12 zinc sheet | m | 275,69 |
| 15.310.1206 | Production and installation of roof valleys made of no. 12 zinc sheet on the top and sides of the attic walls | m² | 553,39 |
| 15.310.1207 | Production and installation of window sills made of no. 12 zinc sheet | m | 244,44 |
| 15.310.1208 | Production and installation of roof cleaning boxes made of no. 12 zinc sheet | Qty | 143,11 |
| 15.310.1209 | Production and installation of stove flue inlet and cap made of no. 12 zinc sheet | Qty | 103,89 |
| | **Production of copper pipes, gutters, etc.** | | |
| 15.310.1301 | Production and installation of vertical rainwater downpipes 125 mm in diameter, made of 0.50-mm copper sheets. | m | 592,55 |
| 15.310.1302 | Production and installation of rain gutters (with round or angular section) that are 155 mm in diameter and made of 0.50-mm copper sheet | m | 860,76 |
| 15.310.1303 | Production and installation of roof valleys made of 0.50-mm copper sheet | m | 1.012,49 |
| 15.310.1304 | Production and installation of roof valleys in the form of gutter made of 0.50-mm copper sheet | m | 1.759,34 |
| 15.310.1305 | Production and installation of rain water hoppers sized 30 x 40 x 30 cm made of 0.50-mm copper sheet | Qty | 1.236,66 |
| 15.310.1306 | Production and installation of roof valleys made of 0.50-mm copper sheet on the back of the attic wall | m | 1.869,03 |
| 15.310.1307 | Production and installation of flashing sheets, chimney edges, roof examination windows and roof lantern bases made of 0.50-mm copper sheet. | m | 702,89 |
| 15.310.1308 | Production and installation of roof valleys made of 0.50-mm copper sheet on the top and sides of the attic walls | m² | 1.523,06 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.310.1309 | Production and installation of window sills made of 0.50-mm copper sheet | m | 599,50 |
| | **PVC Rainwater Downpipe, Gutter, etc.** | | |
| 15.315.1001 | Supply and installation of hard PVC rainwater downpipes Ø70 mm in diameter and with a bellmouth at one end | m | 49,83 |
| 15.315.1002 | Supply and installation of hard PVC rainwater downpipes Ø100 mm in diameter and with a bellmouth at one end | m | 73,41 |
| 15.315.1003 | Supply and installation of hard PVC rainwater downpipes Ø125 mm in diameter and with a bellmouth at one end | m | 84,88 |
| 15.315.1004 | Supply and installation of hard PVC rain gutters Ø100 mm in diameter | m | 93,13 |
| 15.315.1005 | Supply and installation of hard PVC rain gutters Ø150 mm in diameter | m | 118,34 |
| | **Jointless Rain Gutter** | | |
| 15.315.1101 | Production and installation of 0.50-mm-thick, hot-dip galvanized and coated sheet metal jointless pipes (Total sheet metal width: 30 cm) | m | 90,83 |
| | **INSULATED ROOF AND WALL PANEL WORKS** | | |
| 15.320.1001 | Roofing with 50-mm polyurethane-insulated roof panels (0.50-mm-thick, coated, galvanized sheet metal top, and 0.40-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 392,46 |
| 15.320.1002 | Roofing with 50-mm polyurethane-insulated roof panels (1.20-mm-thick, PVC membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 546,08 |
| 15.320.1003 | Roofing with 50-mm polyurethane-insulated roof panels (1.20-mm-thick, TPO membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 568,58 |
| 15.320.1004 | Roofing with 50-mm polyisocyanurate-insulated roof panels (0.50-mm-thick, coated, galvanized sheet metal top, and 0.40-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 425,46 |
| 15.320.1005 | Roofing with 50-mm polyisocyanurate-insulated roof panels (1.20-mm-thick, PVC membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 591,08 |
| 15.320.1006 | Roofing with 50-mm polyisocyanurate-insulated roof panels (1.20-mm-thick, TPO membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 598,58 |
| 15.320.1007 | Roofing with 60-mm polystyrene-insulated roof panels (0.70-mm-thick top, and 0.50-mm-thick bottom made of natural, embossed aluminum) on the existent wooden, reinforced concrete or steel purlins. | m² | 485,46 |
| 15.320.1008 | Roofing with 60-mm polystyrene-insulated roof panels (0.50-mm-thick, coated, galvanized sheet metal top, and 0.40-mm-thick, coated, galvanized sheet metal bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 402,96 |
| 15.320.1009 | Roofing with 60-mm polystyrene-insulated roof panels (0.50-mm-thick coated, galvanized sheet metal top, and 0.40-mm-thick natural, embossed aluminum bottom) on the existent wooden, reinforced concrete or steel purlins. | m² | 440,46 |
| 15.320.1010 | Roofing with 60-mm rock wool-insulated roof panels (0.50-mm-thick, coated, galvanized sheet metal top, and 0.50-mm-thick, coated, galvanized sheet metal bottom) on the existent steel purlins. | m² | 494,38 |
| 15.320.1011 | Roofing with 60-mm rock wool-insulated roof panels (1.20-mm-thick, PVC membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent steel purlins. | m² | 647,80 |
| 15.320.1012 | Roofing with 60-mm rock wool-insulated roof panels (1.20-mm-thick, TPO membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent steel purlins. | m² | 670,30 |
| 15.320.1013 | Roofing with 60-mm rock wool-insulated roof panels (1.50-mm-thick, TPO membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent steel purlins. | m² | 677,80 |
| 15.320.1014 | Roofing with 50-mm rock wool + 25-mm polyurethane-insulated roof panels (1.20-mm-thick, PVC membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent steel purlins. | m² | 707,80 |
| 15.320.1015 | Roofing with 50-mm rock wool + 25-mm polyurethane-insulated roof panels (1.20-mm-thick, TPO membrane top, and 0.60-mm-thick, coated, galvanized sheet metal bottom) on the existent steel purlins. | m² | 715,30 |
| | **ZINC, COPPER, ALUMINUM AND SHEET METAL ROOFING** | | |
| 15.325.1001 | Roofing with 0.50-mm-thick no. 10 zinc on wooden roof frame | m² | 580,34 |
| 15.325.1002 | Roofing with 0.50-mm-thick copper plate on wooden roof frame | m² | 1.736,88 |
| 15.325.1003 | Roofing with 0.66-mm copper plate on wooden roof frame | m² | 2.230,46 |
| 15.325.1004 | 0.70-mm roofing of flat aluminum sheet (EN AW 3003 Al-Mn1 Cu) on wooden roof frame | m² | 473,86 |
| 15.325.1005 | Roofing with 0.70-mm-thick trapezoidal aluminum sheets (EN AW 3003 Al-Mn1 Cu) on the existent wooden, reinforced concrete or steel purlins. | m² | 330,00 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.325.1006 | Roofing with 0.70-mm-thick trapezoidal aluminum sheets (EN AW 1050A, Al 99.5) on the existent wooden, reinforced concrete or steel purlins. | m² | 318,93 |
| 15.325.1007 | Installing roof cover with 0.70-mm-thick trapezoidal aluminum sheets (EN AW 3003 Al-Mn1 Cu) on the existing reinforced concrete, precast, ready-mix concrete slabs or wooden roofing with sided wood. | m² | 376,50 |
| 15.325.1008 | Roofing with 0.50-mm-thick hot-dip galvanized flat sheet metal on wooden roof. | m² | 315,20 |
| 15.325.1009 | Roofing with 0.50-mm-thick hot-dip galvanized grooved/trapezoidal sheet metal on wooden roof. | m² | 203,95 |
| | **OTHER ROOFING WORKS** | | |
| 15.325.1101 | Roofing with grooved roofing covers made of fiber-reinforced cement on wooden roof | m² | 139,21 |
| 15.325.1102 | Roofing with grooved bitumen panels in any color over wooden roof (CATEGORY R ≥ 1400 N/M²) (Fire class: BROOF) | m² | 132,31 |
| 15.325.1103 | Roofing with 0.50-mm-thick, hot-dip galvanized, grooved/trapezoidal sheet metal on the existing roof made of reinforced concrete or reinforced premix (with lightweight or regular aggregate) concrete slabs. | m² | 209,74 |
| 15.325.1104 | Roofing with fiber-reinforced, grooved cement slabs on the existing roof made of reinforced concrete or reinforced premix (with lightweight or regular aggregate) concrete slabs. | m² | 151,89 |
| 15.325.1105 | Roofing with grooved bitumen panels in any color on the existing roof made of reinforced concrete or reinforced premix (with lightweight or regular aggregate) concrete slabs (CATEGORY R ≥ 1400 N/M²) (Fire class: BROOF) | m² | 153,81 |
| 15.325.1106 | Roofing with grooved bitumen panels in any color on steel or precast reinforced concrete beams (CATEGORY R ≥ 1400 N/M²) (Fire class: BROOF) | m² | 147,86 |
| 15.325.1107 | Roofing with lead sheet on reinforced concrete roof. | Kg | 65,20 |
| 15.325.1108 | Roofing with 0.50-mm-thick, hot-dip galvanized, flat sheet metal on the existing roof made of reinforced ready-mix concrete slabs. | m² | 223,73 |
| 15.325.1109 | Roofing with 0.50-mm-thick hot-dip galvanized grooved/trapezoidal sheet metal on steel or precast reinforced concrete beams. | m² | 193,41 |
| 15.325.1110 | Roofing with grooved fiber-reinforced cement slabs on steel or precast reinforced concrete beams | m² | 135,56 |
| | **WATER INSULATION UNDER ROOFING.** | | |
| 15.330.1001 | Water insulation with minimum 1-mm-thick, non-laminated polymer bitumen cover with glass tissue carriers, coated with polyethylene film on both surfaces, for use under the roofing materials on pitched roofs | m² | 51,89 |
| 15.330.1002 | Water insulation with minimum 0.60-mm-thick, non-laminated polymer bitumen cover with polyester felt carriers, coated with polyethylene film on both surfaces, for use under the roofing materials on pitched roofs | m² | 56,01 |
| 15.330.1003 | Water insulation with vapor-permeable water insulation cover under the roofing for pitched roofs | m² | 45,01 |
| 15.330.1004 | Water insulation with a 3-mm-thick polymer bitumen cover (Bent at -10°C) with plastomer-based glass tissue carriers under the roofing for pitched roofs. | m² | 74,93 |
| 15.330.1005 | Water insulation with a 3-mm-thick polymer bitumen cover (Bent at -10°C) with plastomer-based polyester felt carriers under the roofing for pitched roofs. | m² | 81,80 |
| 15.330.1006 | Water insulation with a 3-mm-thick polymer bitumen cover (Bent at -20°C) with elastomer-based glass tissue carriers under the roofing for pitched roofs. | m² | 80,43 |
| 15.330.1007 | Water insulation with a 3-mm-thick polymer bitumen cover (Bent at -20°C) with elastomer-based polyester felt carriers under the roofing for pitched roofs. | m² | 91,43 |
| 15.330.1008 | Water insulation with a 3-mm-thick polymer bitumen cover (Bent at -5°C) with plastomer-based glass tissue carriers under the roofing for pitched roofs. | m² | 72,18 |
| 15.330.1009 | Water insulation with a 3-mm-thick polymer bitumen cover (Bent at -5°C) with plastomer-based polyester felt carriers under the roofing for pitched roofs. | m² | 79,05 |
| 15.330.1010 | Water insulation with organic-fiber, bitumen-impregnated under-tile water insulation panels under the roofing for pitched roofs (over the existing veneer) | m² | 98,31 |
| 15.330.1011 | Water insulation with organic-fiber, bitumen-impregnated under-tile water insulation panels under the roofing for pitched roofs (for reinforced concrete roofs) | m² | 122,56 |
| | **THERMAL INSULATION WITH XPS AND EPS FOAM MATERIALS** | | |
| | **XPS Sheathing** | | |
| 15.335.1001 | Thermal insulation of exterior walls with 3-cm-thick, extruded polystyrene (XPS - 200 kPa compressive strength) panels with rough or smooth canals on their surfaces and coated with thermal insulation plaster (sheathing) | m² | 183,95 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.335.1002 | Thermal insulation of exterior walls with 4-cm-thick, extruded polystyrene (XPS - 200 kPa compressive strength) panels with rough or smooth canals on their surfaces and coated with thermal insulation plaster (sheathing) | m² | 197,73 |
| 15.335.1003 | Thermal insulation of exterior walls with 5-cm-thick, extruded polystyrene (XPS - 200 kPa compressive strength) panels with rough or smooth canals on their surfaces and coated with thermal insulation plaster (sheathing) | m² | 211,51 |
| 15.335.1004 | Thermal insulation of exterior walls with 6-cm-thick, extruded polystyrene (XPS - 200 kPa compressive strength) panels with rough or smooth canals on their surfaces and coated with thermal insulation plaster (sheathing) | m² | 225,29 |
| 15.335.1005 | Thermal insulation of exterior walls with 7-cm-thick, extruded polystyrene (XPS - 200 kPa compressive strength) panels with rough or smooth canals on their surfaces and coated with thermal insulation plaster (sheathing) | m² | 239,08 |
| 15.335.1006 | Thermal insulation of exterior walls with 8-cm-thick, extruded polystyrene (XPS - 200 kPa compressive strength) panels with rough or smooth canals on their surfaces and coated with thermal insulation plaster (sheathing) | m² | 252,85 |
| | **EPS Sheathing** | | |
| 15.335.1101 | Thermal insulation of exterior walls with 3-cm-thick, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 165,44 |
| 15.335.1102 | Thermal insulation of exterior walls with 4-cm-thick, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 173,05 |
| 15.335.1103 | Thermal insulation of exterior walls with 5-cm-thick, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 180,66 |
| 15.335.1104 | Thermal insulation of exterior walls with 6-cm-thick, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 188,28 |
| 15.335.1105 | Thermal insulation of exterior walls with 7-cm-thick, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 195,89 |
| 15.335.1106 | Thermal insulation of exterior walls with 8-cm-thick, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 203,50 |
| | **Carbon EPS Sheathing** | | |
| 15.335.1201 | Thermal insulation of exterior walls with 3-cm-thick, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 168,59 |
| 15.335.1202 | Thermal insulation of exterior walls with 4-cm-thick, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 177,25 |
| 15.335.1203 | Thermal insulation of exterior walls with 5-cm-thick, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 185,91 |
| 15.335.1204 | Thermal insulation of exterior walls with 6-cm-thick, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 194,58 |
| 15.335.1205 | Thermal insulation of exterior walls with 7-cm-thick, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 203,24 |
| 15.335.1206 | Thermal insulation of exterior walls with 8-cm-thick, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m³ density) panels coated with thermal insulation plaster (sheathing) | m² | 211,90 |
| | **Thermal Insulation for Basement Shear Walls with XPS** | | |
| 15.335.1301 | Thermal insulation over water insulation for basement shear walls using 3-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 60,26 |
| 15.335.1302 | Thermal insulation over water insulation for basement shear walls using 4-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 75,34 |
| 15.335.1303 | Thermal insulation over water insulation for basement shear walls using 5-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 89,51 |
| | **Thermal Insulation for Basement Shear Walls with EPS** | | |
| 15.335.1401 | Thermal insulation over water insulation on basement shear walls with 3-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels | m² | 58,30 |
| 15.335.1402 | Thermal insulation over water insulation on basement shear walls with 4-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels | m² | 72,71 |
| 15.335.1403 | Thermal insulation over water insulation on basement shear walls with 5-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels | m² | 86,24 |
| | **XPS Thermal Insulation for Flooring with Soil Contact or for Inverted Roofs** | | |
| 15.335.1501 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 3-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 48,81 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.335.1502 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs, etc.) using 4-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 62,99 |
| 15.335.1503 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 5-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 77,16 |
| 15.335.1504 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 6-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 91,34 |
| 15.335.1505 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 7-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 105,51 |
| 15.335.1506 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 8-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 119,69 |
| 15.335.1507 | Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 10-cm-thick boards with smooth surface (XPS - 300 Kpa compressive strength) | m² | 148,04 |
| | **XPS Thermal Insulation on Ground or Mezzanine Flooring Concrete** | | |
| 15.335.1601 | Horizontal thermal insulation (on ground or mezzanine flooring concrete, etc.) using 3-cm-thick boards with smooth surface (XPS - 200 Kpa compressive strength) | m² | 46,85 |
| 15.335.1602 | Horizontal thermal insulation (on ground or mezzanine flooring concrete, etc.) using 4-cm-thick boards with smooth surface (XPS - 200 Kpa compressive strength) | m² | 60,36 |
| 15.335.1603 | Horizontal thermal insulation (on ground or mezzanine flooring concrete, etc.) using 5-cm-thick boards with smooth surface (XPS - 200 Kpa compressive strength) | m² | 73,89 |
| | **EPS Thermal Insulation on Ground or Mezzanine Flooring Concrete** | | |
| 15.335.1701 | Horizontal thermal insulation with 3-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on flooring or mezzanine flooring concrete, etc.) | m² | 46,85 |
| 15.335.1702 | Horizontal thermal insulation with 4-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on flooring or mezzanine flooring concrete, etc.) | m² | 60,36 |
| 15.335.1703 | Horizontal thermal insulation with 5-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on flooring or mezzanine flooring concrete, etc.) | m² | 73,89 |
| | **EPS Thermal Insulation for Conventional Trafficable Roofs** | | |
| 15.335.1801 | Horizontal thermal insulation with 3-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 45,66 |
| 15.335.1802 | Horizontal thermal insulation with 4-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 58,79 |
| 15.335.1803 | Horizontal thermal insulation with 5-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 71,91 |
| 15.335.1804 | Horizontal thermal insulation with 6-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 85,04 |
| 15.335.1805 | Horizontal thermal insulation with 7-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 98,16 |
| 15.335.1806 | Horizontal thermal insulation with 8-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 111,29 |
| 15.335.1807 | Horizontal thermal insulation with 10-cm-thick expanded polystyrene (EPS - 30 kg/m³ density) panels (on conventional trafficable roofs, etc.) | m² | 137,54 |
| | **EPS Thermal Insulation between Two Walls (sandwich system)** | | |
| 15.335.1901 | Thermal insulation between two walls with 2.5-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 21,94 |
| 15.335.1902 | Thermal insulation between two walls with 3-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 25,45 |
| 15.335.1903 | Thermal insulation between two walls with 4-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 32,54 |
| 15.335.1904 | Thermal insulation between two walls with 5-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 39,63 |
| 15.335.1905 | Thermal insulation between two walls with 6-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 46,71 |
| 15.335.1906 | Thermal insulation between two walls with 7-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 53,80 |
| 15.335.1907 | Thermal insulation between two walls with 8-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 60,89 |
| 15.335.1908 | Thermal insulation between two walls with 10-cm-thick expanded polystyrene (EPS - 15 kg/m³ density) panels (sandwich system) | m² | 75,06 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| | **THERMAL AND SOUND INSULATION WITH ROCK WOOL AND GLASS WOOL** | | |
| | **Rock Wool Sheathing** | | |
| 15.340.1001 | Exterior thermal insulation of exterior walls with 3-cm-thick rock wool panels (min. 120 kg/m³ density) coated with thermal insulation plaster (sheathing) | m² | 195,00 |
| 15.340.1002 | Exterior thermal insulation of exterior walls with 4-cm-thick rock wool panels (min. 120 kg/m³ density) coated with thermal insulation plaster (sheathing) | m² | 205,50 |
| 15.340.1003 | Exterior thermal insulation of exterior walls with 5-cm-thick rock wool panels (min. 120 kg/m³ density) coated with thermal insulation plaster (sheathing) | m² | 216,00 |
| 15.340.1004 | Exterior thermal insulation of exterior walls with 6-cm-thick rock wool panels (min. 120 kg/m³ density) coated with thermal insulation plaster (sheathing) | m² | 226,50 |
| 15.340.1005 | Exterior thermal insulation of exterior walls with 7-cm-thick rock wool panels (min. 120 kg/m³ density) coated with thermal insulation plaster (sheathing) | m² | 240,94 |
| 15.340.1006 | Exterior thermal insulation of exterior walls with 8-cm-thick rock wool panels (min. 120 kg/m³ density) coated with thermal insulation plaster (sheathing) | m² | 247,50 |
| | **Thermal and Acoustic Insulation on Ground or Mezzanine Flooring Concrete with Rock Wool** | | |
| 15.340.1101 | Horizontal thermal and sound insulation with 2.5-cm-thick rock wool panels (rock wool - 110 kg/m³ density - load-bearing) (on flooring or mezzanine flooring concrete, etc.) | m² | 31,75 |
| 15.340.1102 | Horizontal thermal and sound insulation with 3-cm-thick rock wool panels (rock wool - 110 kg/m³ density - load-bearing) (on flooring or mezzanine flooring concrete, etc.) | m² | 36,74 |
| 15.340.1103 | Horizontal thermal and sound insulation with 3.5-cm-thick rock wool panels (rock wool - 110 kg/m³ density - load-bearing) (on flooring or mezzanine flooring concrete, etc.) | m² | 41,73 |
| | **Thermal Insulation with Rock Wool for Conventional Trafficable Roofs** | | |
| 15.340.1201 | Horizontal thermal insulation with 3-cm-thick rock wool panels (Rock wool - 150 kg/m³ density - load-bearing) (on conventional trafficable roofs, etc.) | m² | 41,73 |
| 15.340.1202 | Horizontal thermal insulation with 4-cm-thick rock wool panels (Rock wool - 150 kg/m³ density - load-bearing) (on conventional trafficable roofs, etc.) | m² | 52,23 |
| 15.340.1203 | Horizontal thermal insulation with 5-cm-thick rock wool panels (Rock wool - 150 kg/m³ density - load-bearing) (on conventional trafficable roofs, etc.) | m² | 62,73 |
| 15.340.1204 | Horizontal thermal insulation with 6-cm-thick rock wool panels (Rock wool - 150 kg/m³ density - load-bearing) (on conventional trafficable roofs, etc.) | m² | 74,54 |
| 15.340.1205 | Horizontal thermal insulation with 8-cm-thick rock wool panels (Rock wool - 150 kg/m³ density - load-bearing) (on conventional trafficable roofs, etc.) | m² | 94,23 |
| 15.340.1206 | Horizontal thermal insulation with 10-cm-thick rock wool panels (Rock wool - 150 kg/m³ density - load-bearing) (on conventional trafficable roofs, etc.) | m² | 116,54 |
| | **Thermal and Acoustic Insulation with Glass Wool between Two Walls (sandwich system)** | | |
| 15.340.1301 | Thermal and sound insulation between two walls with 3-cm-thick glass wool panels (Glass wool panel, 20-22 kg/m³ density - non-load-bearing - with silicon) (sandwich system) | m² | 16,40 |
| 15.340.1302 | Thermal and sound insulation between two walls with 4-cm-thick glass wool panels (Glass wool panel, 20-22 kg/m³ density - non-load-bearing - with silicon) (sandwich system) | m² | 19,81 |
| 15.340.1303 | Thermal and sound insulation between two walls with 5-cm-thick glass wool panels (Glass wool panel, 20-22 kg/m³ density - non-load-bearing - with silicon) (sandwich system) | m² | 23,09 |
| 15.340.1304 | Thermal and sound insulation between two walls with 6-cm-thick glass wool panels (Glass wool panel, 20-22 kg/m³ density - non-load-bearing - with silicon) (sandwich system) | m² | 26,64 |
| 15.340.1305 | Thermal and sound insulation between two walls with 8-cm-thick glass wool panels (Glass wool panel, 20-22 kg/m³ density - non-load-bearing - with silicon) (sandwich system) | m² | 32,54 |
| 15.340.1306 | Thermal and sound insulation between two walls with 10-cm-thick glass wool panels (Glass wool panel, 20-22 kg/m³ density - non-load-bearing - with silicon) (sandwich system) | m² | 42,78 |
| | **Laying Rock Wool/Glass Wool on Garret Flooring Concrete** | | |
| 15.340.1401 | Laying 6-cm-thick glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 45,69 |
| 15.340.1402 | Laying 8-cm-thick glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 52,13 |
| 15.340.1403 | Laying 10-cm-thick glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 56,71 |
| 15.340.1404 | Laying 12-cm-thick glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 61,31 |
| 15.340.1405 | Laying 14-cm-thick glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 66,04 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.340.1406 | Laying 6-cm-thick rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 56,85 |
| 15.340.1407 | Laying 8-cm-thick rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 63,41 |
| 15.340.1408 | Laying 10-cm-thick rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 69,31 |
| 15.340.1409 | Laying 12-cm-thick rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 74,56 |
| 15.340.1410 | Laying 14-cm-thick rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m³ density) and laying vapor-permeable insulation cover on the mattress | m² | 81,13 |
| | **HORIZONTAL THERMAL AND ACOUSTIC INSULATION WITH POLYETYHELENE FOAM MATS** | | |
| 15.340.9951 | Thermal and sound insulation on horizontal plane (on the floor or mezzanine flooring concrete, etc.) with 2-mm-thick, flat mattresses (min. 90 kg/m³ density) made of polyethylene foam | m² | 16,14 |
| 15.340.9952 | Thermal and sound insulation on horizontal plane (on the floor or mezzanine flooring concrete, etc.) with 5-mm-thick, flat mattresses (min. 90 kg/m³ density) made of polyethylene foam | m² | 30,58 |
| 15.340.9953 | Thermal and sound insulation on horizontal plane (on the floor or mezzanine flooring concrete, etc.) with 8-mm-thick, flat mattresses (min. 90 kg/m³ density) made of polyethylene foam | m² | 46,33 |
| 15.340.9961 | Thermal and sound insulation on horizontal plane (on screed concrete etc.) with 2-mm-thick, perforated mattresses (min. 90 kg/m³ density) made of polyethylene foam | m² | 25,98 |
| 15.340.9962 | Thermal and sound insulation on horizontal plane (on screed concrete etc.) with 2.5-mm-thick, perforated mattresses (min. 90 kg/m³ density) made of polyethylene foam | m² | 32,54 |
| 15.340.9963 | Thermal and sound insulation on horizontal plane (on screed concrete etc.) with 5-mm-thick, perforated mattresses (min. 90 kg/m³ density) made of polyethylene foam | m² | 45,66 |
| | **SHEATHING WITH AAC THERMAL INSULATION PANELS** | | |
| | **Sheathing with AAC Thermal Insulation Slabs** | | |
| 15.345.1001 | Exterior thermal insulation of exterior walls with 5-cm-thick AAC thermal insulation panels coated with AAC thermal insulation panel plaster (sheathing) | m² | 214,13 |
| 15.345.1002 | Exterior thermal insulation of exterior walls with 6-cm-thick AAC thermal insulation panels coated with AAC thermal insulation panel plaster (sheathing) | m² | 224,36 |
| 15.345.1003 | Exterior thermal insulation of exterior walls with 7-cm-thick AAC thermal insulation panels coated with AAC thermal insulation panel plaster (sheathing) | m² | 234,60 |
| 15.345.1004 | Exterior thermal insulation of exterior walls with 8-cm-thick AAC thermal insulation panels coated with AAC thermal insulation panel plaster (sheathing) | m² | 244,84 |
| 15.345.1005 | Exterior thermal insulation of exterior walls with 9-cm-thick AAC thermal insulation panels coated with AAC thermal insulation panel plaster (sheathing) | m² | 255,08 |
| 15.345.1006 | Exterior thermal insulation of exterior walls with 10-cm-thick AAC thermal insulation panels coated with AAC thermal insulation panel plaster (sheathing) | m² | 265,31 |
| | **Thermal Insulation of Ceilings with AAC Thermal Insulation Slabs** | | |
| 15.345.1101 | Thermal insulation of reinforced concrete ceilings with 5-cm-thick AAC thermal insulation slabs (Plaster-free application) | m² | 118,71 |
| 15.345.1102 | Thermal insulation of reinforced concrete ceilings with 6-cm-thick AAC thermal insulation slabs (Plaster-free application) | m² | 128,95 |
| 15.345.1103 | Thermal insulation of reinforced concrete ceilings with 7-cm-thick AAC thermal insulation slabs (Plaster-free application) | m² | 139,19 |
| 15.345.1104 | Thermal insulation of reinforced concrete ceilings with 8-cm-thick AAC thermal insulation slabs (Plaster-free application) | m² | 149,43 |
| 15.345.1105 | Thermal insulation of reinforced concrete ceilings with 9-cm-thick AAC thermal insulation slabs (Plaster-free application) | m² | 159,66 |
| 15.345.1106 | Thermal insulation of reinforced concrete ceilings with 10-cm-thick AAC thermal insulation slabs (Plaster-free application) | m² | 169,90 |
| | **AUXILIARY SHEATHING PROFILES** | | |
| 15.360.1001 | Supply and installation of aluminum corner profiles (meshed) | m | 11,21 |
| 15.360.1002 | Supply and installation of PVC corner profiles (meshed) | m | 9,19 |
| 15.360.1003 | Supply and installation of aluminum corner profiles with splashboard (meshed) | m | 17,59 |
| 15.360.1004 | Supply and installation of PVC corner profiles with splashboard (meshed) | m | 11,61 |
| 15.360.1005 | Supply and installation of aluminum plinth profiles for 3 to 5 cm sheathing | m | 26,85 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.360.1006 | Supply and installation of PVC-based expansion profiles (meshed) for 3 to 5 cm (including 5 cm) expansion openings | m | 69,16 |
| 15.360.1007 | Supply and installation of self-adhesive mesh PVC Window and Door Attachment Profiles (Joinery Finish Profile) | m | 20,86 |
| | **PVC-BASED FLOORING** | | |
| 15.365.1001 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Homogeneous - Group: P) | m² | 252,98 |
| 15.365.1002 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 225,41 |
| 15.365.1003 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 250,35 |
| 15.365.1004 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Homogeneous - Group: P) | m² | 325,60 |
| 15.365.1005 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 260,85 |
| 15.365.1006 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 304,16 |
| 15.365.1007 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 3-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 284,48 |
| 15.365.1008 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Homogeneous - Group: T) | m² | 296,29 |
| 15.365.1009 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Homogeneous - Group: T) | m² | 364,98 |
| 15.365.1021 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar | m² | 246,05 |
| 15.365.1022 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 218,49 |
| 15.365.1023 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 243,43 |
| 15.365.1024 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based floor tile materials over the mortar (Homogeneous - Group: P) | m² | 318,68 |
| 15.365.1025 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 253,93 |
| 15.365.1026 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 297,24 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.365.1027 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 3-mm-thick PVC-based flooring materials over the mortar (Heterogeneous - Group: T) | m² | 277,55 |
| 15.365.1028 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based flooring materials over the mortar (Homogeneous - Group: T) | m² | 289,36 |
| 15.365.1029 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with 2-mm-thick PVC-based floor tile materials over the mortar (Homogeneous - Group: T) | m² | 358,05 |
| | **PVC-BASED INDOOR SPORTS FLOORING** | | |
| 15.365.1101 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P1) | m² | 527,10 |
| 15.365.1102 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P2) | m² | 658,35 |
| 15.365.1103 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P3) | m² | 855,23 |
| 15.365.1111 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P1) | m² | 520,18 |
| 15.365.1112 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P2) | m² | 651,43 |
| 15.365.1113 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P3) | m² | 848,30 |
| | **LINOLEUM FLOORING** | | |
| 15.365.1501 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and 2-mm-thick linoleum flooring over the mortar (Class 32-41) | m² | 311,23 |
| 15.365.1502 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and 2.5-mm-thick linoleum flooring over the mortar (Class 34-43) | m² | 345,35 |
| 15.365.1503 | Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and 3.2-mm-thick linoleum flooring over the mortar (Class 34-43) | m² | 430,66 |
| 15.365.1511 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and 2-mm-thick linoleum flooring over the mortar (Class 32-41) | m² | 304,30 |
| 15.365.1512 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and 2.5-mm-thick linoleum flooring over the mortar (Class 34-43) | m² | 338,43 |
| 15.365.1513 | Leveling of the floor at 2 mm thickness on average with plaster-based, self-leveling mortar, and 3.2-mm-thick linoleum flooring over the mortar (Class 34-43) | m² | 423,74 |
| | **PVC BASEBOARD** | | |
| 15.365.1701 | Supply and installation of PVC-based flexible baseboards | m | 19,56 |
| 15.365.1702 | Supply and installation of PVC-based self-rotational capped baseboards | m | 27,68 |
| | **TRANSITION PROFILES** | | |
| 15.365.1751 | Supply and installation of (4-cm-wide) PVC-based crossover profiles | m | 41,70 |
| 15.365.1752 | Supply and installation of (4-cm-wide) aluminum-based crossover profiles | m | 61,50 |
| | **FLOORING AND WALL PANELING WITH CERAMIC TILES** | | |
| | **Flooring with Ceramic Floor Tiles** | | |
| 15.375.1002 | Flooring with 3 mm joints using first quality, white ceramic floor tiles in 30 x 30 cm or 33 x 33cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 130,24 |
| 15.375.1003 | Flooring with 3 mm joints using first quality, white ceramic floor tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 143,11 |
| 15.375.1004 | Flooring with 3 mm joints using first quality, white ceramic floor tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 145,10 |
| 15.375.1052 | Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 134,18 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.375.1053 | Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 148,41 |
| 15.375.1054 | Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 149,74 |
| | **Tiling of Walls with Ceramic Wall Tiles** | | |
| 15.380.1003 | Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 20 x 25 cm or 20 x 30 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 150,30 |
| 15.380.1005 | Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 25 x 33 cm or 25 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 143,09 |
| 15.380.1006 | Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 20 x 60 cm, 30 x 60 cm or 33 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 176,56 |
| 15.380.1007 | Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 20 x 50 cm, 25 x 50 cm, 30 x 45 cm or 33 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 148,74 |
| 15.380.1053 | Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 25 cm or 20 x 30 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 156,21 |
| 15.380.1055 | Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 25 x 33 cm or 25 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 145,71 |
| 15.380.1056 | Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 60 cm, 30 x 60 cm or 33 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 181,20 |
| 15.380.1057 | Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 50 cm, 25 x 50 cm, 30 x 45 cm or 33 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 154,65 |
| | **Flooring and Wall Paneling with Glazed Porcelain Tiles** | | |
| 15.385.1004 | Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 173,80 |
| 15.385.1005 | Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 178,73 |
| 15.385.1006 | Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 178,73 |
| 15.385.1008 | Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 202,58 |
| 15.385.1009 | Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 223,78 |
| 15.385.1010 | Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 206,55 |
| 15.385.1024 | Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 177,74 |
| 15.385.1025 | Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 185,35 |
| 15.385.1026 | Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 185,35 |
| 15.385.1028 | Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 206,55 |
| 15.385.1029 | Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 229,08 |
| 15.385.1030 | Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 214,50 |
| 15.385.1043 | Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 189,93 |
| 15.385.1044 | Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 179,43 |
| 15.385.1045 | Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 184,35 |
| 15.385.1046 | Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 184,35 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.385.1049 | Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 229,40 |
| 15.385.1050 | Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 212,18 |
| 15.385.1063 | Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 199,11 |
| 15.385.1064 | Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 183,36 |
| 15.385.1065 | Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 190,98 |
| 15.385.1066 | Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 190,98 |
| 15.385.1069 | Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 234,70 |
| 15.385.1070 | Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive) | m² | 220,13 |
| | **Flooring and Wall Tiling with Non-glazed Porcelain Tiles** | | |
| 15.390.1004 | Flooring with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 186,93 |
| 15.390.1005 | Flooring with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 198,60 |
| 15.390.1006 | Flooring with 3 mm joint gaps using first quality, matte, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 223,78 |
| 15.390.1008 | Flooring with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 247,63 |
| 15.390.1009 | Flooring with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 248,95 |
| 15.390.1010 | Flooring with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 250,28 |
| 15.390.1024 | Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 222,36 |
| 15.390.1025 | Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 235,70 |
| 15.390.1026 | Flooring with 3 mm joint gaps using first quality, glossy, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 270,15 |
| 15.390.1028 | Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 294,00 |
| 15.390.1029 | Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 296,65 |
| 15.390.1030 | Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 309,90 |
| 15.390.1043 | Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 208,30 |
| 15.390.1044 | Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 192,55 |
| 15.390.1045 | Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 204,23 |
| 15.390.1046 | Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 229,40 |
| 15.390.1049 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 254,58 |
| 15.390.1050 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 255,90 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.390.1063 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 243,74 |
| 15.390.1064 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 227,99 |
| 15.390.1065 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 241,33 |
| 15.390.1066 | Wall and facade tiling with 3 mm joint gaps using first quality, glossy, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 275,78 |
| 15.390.1069 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 302,28 |
| 15.390.1070 | Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive) | m² | 315,53 |
| | **TERRAZZO FLOORING (INTERIOR)** | | |
| | **With Marble Aggregate (Interior)** | | |
| 15.400.1001 | Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm², honed or polished) | m² | 273,61 |
| 15.400.1002 | Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area >1100 cm², honed or polished) | m² | 285,43 |
| 15.400.1003 | Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 2) (Surface area ≤ 1100 cm², and breaking strength > 2.5 kN, honed or polished) | m² | 281,49 |
| 15.400.1004 | Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) 1100 < Surface area < 1800 cm², breaking strength > 3 kN, honed or polished | m² | 288,05 |
| 15.400.1005 | Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) Surface area ≥ 1800 cm², breaking strength > 3 kN, honed or polished | m² | 322,18 |
| | **With Granite Aggregate (Interior)** | | |
| 15.400.1101 | Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm², honed or polished) | m² | 309,05 |
| 15.400.1102 | Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area > 1100 cm², honed or polished) | m² | 316,93 |
| 15.400.1103 | Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 2) (Surface area ≤ 1100 cm², and breaking strength > 2.5 kN, honed or polished) | m² | 315,61 |
| 15.400.1104 | Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 3) (1100 < Surface area < 1800 cm², and breaking strength > 3 kN, honed or polished) | m² | 322,18 |
| 15.400.1105 | Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 3) (Surface area ≥ 1800 cm², and breaking strength > 3 kN, honed or polished) | m² | 345,80 |
| | **With Quartz-Silica + Marble Aggregate (Interior)** | | |
| 15.400.1201 | Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm², honed or polished) | m² | 309,05 |
| 15.400.1202 | Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area > 1100 cm², honed or polished) | m² | 316,93 |
| 15.400.1203 | Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 2) Surface area ≤ 1100 cm² breaking strength > 2.5 kN, honed or polished) | m² | 315,61 |
| 15.400.1204 | Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) 1100 < Surface area < 1800 cm², breaking strength > 3 kN, honed or polished | m² | 322,18 |
| 15.400.1205 | Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) Surface area ≥ 1800 cm², breaking strength > 3 kN, honed or polished | m² | 345,80 |
| | **With Quartz-Silica Aggregate (Interior)** | | |
| 15.400.1301 | Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm², honed or polished) | m² | 427,18 |
| 15.400.1302 | Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area > 1100 cm², honed or polished) | m² | 441,61 |
| 15.400.1303 | Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 2) Surface area ≤ 1100 cm², breaking strength > 2.5 kN, honed or polished) | m² | 441,61 |
| 15.400.1304 | Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 3) (1100 cm² < Surface area < 1800 cm², and breaking strength > 3 kN, honed or polished) | m² | 454,74 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.400.1305 | Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 3) Surface area ≥ 1800 cm², breaking strength > 3 kN, honed or polished | m² | 479,68 |
| | **TERRAZZO FLOORING (EXTERIOR)** | | |
| | **Cement Tiles (Exterior)** | | |
| 15.405.1001 | Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 1), Min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm², grooved - non-grooved, any color) | m² | 269,68 |
| 15.405.1002 | Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 1), Min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm², grooved - non-grooved, any color) | m² | 285,43 |
| 15.405.1003 | Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 2), Min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm², grooved - non-grooved, any color) | m² | 281,49 |
| 15.405.1004 | Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 2), Min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 cm² < Surface area ≤ 3600 cm², grooved - non-grooved, any color) | m² | 302,49 |
| 15.405.1005 | Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 3), Min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm², grooved - non-grooved, any color) | m² | 299,86 |
| 15.405.1006 | Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 3), Min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm², grooved - non-grooved, any color) | m² | 320,86 |
| | **With Marble Aggregate (Exterior)** | | |
| 15.405.1101 | Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm², With any surface treatment) | m² | 281,49 |
| 15.405.1102 | Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 297,24 |
| 15.405.1103 | Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm², With any surface treatment) | m² | 297,24 |
| 15.405.1104 | Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 319,55 |
| 15.405.1105 | Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm², With any surface treatment) | m² | 315,61 |
| 15.405.1106 | Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 335,30 |
| | **With Granite Aggregate (Exterior)** | | |
| 15.405.1201 | Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm², With any surface treatment) | m² | 302,49 |
| 15.405.1202 | Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 319,55 |
| 15.405.1203 | Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm², With any surface treatment) | m² | 319,55 |
| 15.405.1204 | Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 339,24 |
| 15.405.1205 | Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm², With any surface treatment) | m² | 335,30 |
| 15.405.1206 | Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 357,61 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| | **With Andesite Aggregate (Exterior)** | | |
| 15.405.1301 | Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm², With any surface treatment) | m² | 297,24 |
| 15.405.1302 | Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 315,61 |
| 15.405.1303 | Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm², With any surface treatment) | m² | 305,11 |
| 15.405.1304 | Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 327,43 |
| 15.405.1305 | Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm², With any surface treatment) | m² | 324,80 |
| 15.405.1306 | Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 345,80 |
| | **With Basalt Aggregate (Exterior)** | | |
| 15.405.1401 | Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm², With any surface treatment) | m² | 288,05 |
| 15.405.1402 | Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 302,49 |
| 15.405.1403 | Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm², With any surface treatment) | m² | 305,11 |
| 15.405.1404 | Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm², With any surface treatment) | m² | 327,43 |
| 15.405.1405 | Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm², With any surface treatment) | m² | 320,86 |
| 15.405.1406 | Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 343,18 |
| | **With quartz-silica aggregate (exterior)** | | |
| 15.405.1501 | Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm², With any surface treatment) | m² | 331,36 |
| 15.405.1502 | Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 348,43 |
| 15.405.1503 | Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm², With any surface treatment) | m² | 348,43 |
| 15.405.1504 | Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 361,55 |
| 15.405.1505 | Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm², With any surface treatment) | m² | 361,55 |
| 15.405.1506 | Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm², With any surface treatment) | m² | 374,68 |
| | **Wash Concrete (Exterior)** | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.405.1601 | Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm²) | m² | 278,86 |
| 15.405.1602 | Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 cm² < Surface area ≤ 3600 cm²) | m² | 297,24 |
| 15.405.1603 | Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm²) | m² | 315,61 |
| 15.405.1604 | Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 cm² < Surface area ≤ 3600 cm²) | m² | 324,80 |
| 15.405.1605 | Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm²) | m² | 322,18 |
| 15.405.1606 | Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 cm² < Surface area ≤ 3600 cm²) | m² | 339,24 |
| | **Terrazzo Baseboard** | | |
| 15.405.1701 | Manufacture and installation of baseboard made of terrazzo tiles, with 6 to 10 cm height, any thickness (With any surface treatment) | m | 46,66 |
| | **MARBLE COATING** | | |
| | **Flooring with white marble sheets** | | |
| 15.410.1001 | Flooring with 2-cm-thick white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 382,51 |
| 15.410.1002 | Flooring with 2-cm-thick white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 425,83 |
| 15.410.1003 | Flooring with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 410,84 |
| 15.410.1004 | Flooring with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 454,15 |
| 15.410.1005 | Flooring with 4-cm-thick white marble sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 431,44 |
| 15.410.1006 | Flooring with 4-cm-thick white marble sheets (4 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 474,75 |
| 15.410.1007 | Flooring with 5-cm-thick white marble sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 448,18 |
| 15.410.1008 | Flooring with 5-cm-thick white marble sheets (5 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 491,49 |
| | **Flooring with colored marble sheets** | | |
| 15.410.1101 | Flooring with 2-cm-thick colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 411,39 |
| 15.410.1102 | Flooring with 2-cm-thick colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 453,39 |
| 15.410.1103 | Flooring with 3-cm-thick colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 445,76 |
| 15.410.1104 | Flooring with 3-cm-thick colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 487,76 |
| 15.410.1105 | Flooring with 4-cm-thick colored marble sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 470,76 |
| 15.410.1106 | Flooring with 4-cm-thick colored marble sheets (4 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 512,76 |
| 15.410.1107 | Flooring with 5-cm-thick colored marble sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 491,08 |
| 15.410.1108 | Flooring with 5-cm-thick colored marble sheets (5 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 533,08 |
| | **Wall paneling with marble sheets** | | |
| 15.410.1201 | Wall paneling with 2-cm-thick white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 427,55 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.410.1202 | Wall paneling with 2-cm-thick white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 470,86 |
| 15.410.1203 | Wall paneling with 2-cm-thick colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 456,43 |
| 15.410.1204 | Wall paneling with 2-cm-thick colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 498,43 |
| | **Stair step paneling with marble sheets** | | |
| 15.410.1301 | Stair step paneling with white marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished) | m | 234,45 |
| 15.410.1302 | Stair step paneling with white marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (With any surface treatment except honing or polishing) | m | 256,31 |
| 15.410.1303 | Stair step paneling with colored marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished) | m | 251,33 |
| 15.410.1304 | Stair step paneling with colored marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (With any surface treatment except honing or polishing) | m | 272,53 |
| | **Building exterior splashboards with marble sheets** | | |
| 15.410.1401 | Building exterior splashboards with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 617,63 |
| 15.410.1402 | Building exterior splashboards with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 660,94 |
| 15.410.1403 | Building exterior splashboards with 3-cm-thick, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 652,55 |
| 15.410.1404 | Building exterior splashboards with 3-cm-thick, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 694,55 |
| | **Building parapets with marble sheets** | | |
| 15.410.1501 | Building parapets with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 645,75 |
| 15.410.1502 | Building parapets with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 689,06 |
| 15.410.1503 | Building parapets with 3-cm-thick, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 680,68 |
| 15.410.1504 | Building parapets with 3-cm-thick, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 722,68 |
| | **Building coping tiles with marble sheets** | | |
| 15.410.1601 | Building coping tiles with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 676,31 |
| 15.410.1602 | Building coping tiles with 3-cm-thick white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 719,63 |
| 15.410.1603 | Building coping tiles with 3-cm-thick, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 711,24 |
| 15.410.1604 | Building coping tiles with 3-cm-thick, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 725,11 |
| | **Making jambs with marble sheets** | | |
| 15.410.1701 | Making jambs with 2-cm-thick, white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 560,36 |
| 15.410.1702 | Making jambs with 2-cm-thick, white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 603,68 |
| 15.410.1703 | Making jambs with 2-cm-thick, colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 589,24 |
| 15.410.1704 | Making jambs with 2-cm-thick, colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 631,24 |
| | **TRAVERTINE LINING WORKS** | | |
| | **Flooring with light colored travertine panels** | | |
| 15.415.1001 | Flooring with 2-cm-thick, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 424,51 |
| 15.415.1002 | Flooring with 2-cm-thick, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 466,51 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.415.1003 | Flooring with 3-cm-thick, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 461,64 |
| 15.415.1004 | Flooring with 3-cm-thick, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 503,64 |
| 15.415.1005 | Flooring with 4-cm-thick, light-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 488,64 |
| 15.415.1006 | Flooring with 4-cm-thick, light-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 530,64 |
| 15.415.1007 | Flooring with 5-cm-thick, light-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 510,58 |
| 15.415.1008 | Flooring with 5-cm-thick, light-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 552,58 |
| | **Flooring with dark-colored travertine sheets** | | |
| 15.415.1101 | Flooring with 2-cm-thick, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 391,70 |
| 15.415.1102 | Flooring with 2-cm-thick, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 433,70 |
| 15.415.1103 | Flooring with 3-cm-thick, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 421,95 |
| 15.415.1104 | Flooring with 3-cm-thick, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 463,95 |
| 15.415.1105 | Flooring with 4-cm-thick, dark-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 443,95 |
| 15.415.1106 | Flooring with 4-cm-thick, dark-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 485,95 |
| 15.415.1107 | Flooring with 5-cm-thick, dark-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 461,83 |
| 15.415.1108 | Flooring with 5-cm-thick, dark-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 503,83 |
| | **Wall paneling with travertine sheets** | | |
| 15.415.1201 | Wall paneling with 2-cm-thick, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 469,55 |
| 15.415.1202 | Wall paneling with 2-cm-thick, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 511,55 |
| 15.415.1203 | Wall paneling with 2-cm-thick, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 436,74 |
| 15.415.1204 | Wall paneling with 2-cm-thick, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 478,74 |
| | **Stair step paneling with travertine sheets** | | |
| 15.415.1301 | Stair step paneling with light-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished) | m | 259,00 |
| 15.415.1302 | Stair step paneling with light-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (With any surface treatment except honing or polishing) | m | 280,20 |
| 15.415.1303 | Stair step paneling with dark-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished) | m | 239,83 |
| 15.415.1304 | Stair step paneling with dark-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (With any surface treatment except honing or polishing) | m | 261,03 |
| | **Building exterior splashboards with travertine sheets** | | |
| 15.415.1401 | Building exterior splashboards with 3-cm-thick, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 668,43 |
| 15.415.1402 | Building exterior splashboards with 3-cm-thick light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 710,43 |
| 15.415.1403 | Building exterior splashboards with 3-cm-thick, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 628,74 |
| 15.415.1404 | Building exterior splashboards with 3-cm-thick dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 670,74 |
| | **Building parapets with travertine sheets** | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.415.1501 | Building parapets with 3-cm-thick, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 696,55 |
| 15.415.1502 | Building parapets with 3-cm-thick light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 738,55 |
| 15.415.1503 | Building parapets with 3-cm-thick, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 656,86 |
| 15.415.1504 | Building parapets with 3-cm-thick dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 698,86 |
| | **Making coping tiles with travertine sheets** | | |
| 15.415.1601 | Making coping tiles with 3-cm-thick, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 727,11 |
| 15.415.1602 | Making coping tiles with 3-cm-thick, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 769,11 |
| 15.415.1603 | Making coping tiles with 3-cm-thick, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 687,43 |
| 15.415.1604 | Making coping tiles with 3-cm-thick dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 701,30 |
| | **Making jambs with travertine sheets** | | |
| 15.415.1701 | Making jambs with 2-cm-thick, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 602,36 |
| 15.415.1702 | Making jambs with 2-cm-thick, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 644,36 |
| 15.415.1703 | Making jambs with 2-cm-thick, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished) | m² | 569,55 |
| 15.415.1704 | Making jambs with 2-cm-thick, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (With any surface treatment except honing and polishing) | m² | 611,55 |
| | **ANDESITE PANELING** | | |
| | **Andesite Flooring** | | |
| 15.420.1001 | Flooring with 4-cm-thick andesite panels (30 cm x free size) | m² | 392,73 |
| 15.420.1002 | Flooring with 4-cm-thick, bush-hammered andesite panels (30 cm x free dimension) | m² | 477,10 |
| | **Andesite wall paneling** | | |
| 15.420.1101 | Wall paneling with 3-cm-thick andesite panels (30 cm x free dimension) | m² | 415,74 |
| | **Making andesite jambs** | | |
| 15.420.1201 | Making jambs with 3-cm-thick andesite panels | m² | 422,38 |
| | **READY-MIX, REINFORCED/UNREINFORCED CONCRETE STAIR STEPS, SKIRTING, NOTCH BOARDS, SPLASH BOARDS, PARAPETS, COPING TILES, ETC. WORKS** | | |
| | **Flat steps (step and riser as two separate pieces)** | | |
| 15.430.1001 | Supply and installation of ready-made, reinforced, flat stair steps made of concrete with marble aggregate (With any surface treatment) | m | 369,50 |
| 15.430.1002 | Supply and installation of ready-made, reinforced, flat stair steps made of concrete with granite aggregate (With any surface treatment) | m | 388,05 |
| 15.430.1003 | Supply and installation of ready-made, reinforced, flat stair steps made of concrete with andesite or basalt aggregate (With any surface treatment) | m | 388,05 |
| 15.430.1004 | Supply and installation of ready-made, reinforced, flat stair steps made of concrete with quartz-silica + marble aggregate (With any surface treatment) | m | 409,91 |
| 15.430.1005 | Supply and installation of ready-made, reinforced, flat stair steps made of concrete with quartz-silica aggregate (With any surface treatment) | m | 478,15 |
| | **L-shaped miter steps (one piece)** | | |
| 15.430.1101 | Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with marble aggregate (With any surface treatment) | m | 396,66 |
| 15.430.1102 | Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with granite aggregate (With any surface treatment) | m | 420,51 |
| 15.430.1103 | Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with andesite or basalt aggregate (With any surface treatment) | m | 420,51 |
| 15.430.1104 | Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with quartz-silica + marble aggregate (With any surface treatment) | m | 434,43 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.430.1105 | Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with quartz-silica aggregate (With any surface treatment) | m | 510,61 |
| | **Notch Boards and Skirting** | | |
| 15.430.1201 | Supply and installation of concrete, ready-made (L) stair skirt boards (in any size and thickness) (With any surface treatment) | m | 66,21 |
| 15.430.1202 | Supply and installation of concrete, ready-made (L) stair notch boards (in any size and thickness) (With any surface treatment) | m | 69,50 |
| | **Flat splash boards, parapets or coping tiles** | | |
| 15.430.1301 | Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of marble aggregate concrete (With any surface treatment) | m² | 595,86 |
| 15.430.1302 | Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of granite aggregate concrete (With any surface treatment) | m² | 635,24 |
| 15.430.1303 | Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of quartz-silica + marble aggregate concrete (With any surface treatment) | m² | 654,93 |
| 15.430.1304 | Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of quartz-silica aggregate concrete (With any surface treatment) | m² | 753,36 |
| | **(L)-shaped splash boards, parapets or coping tiles** | | |
| 15.430.1401 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of marble aggregate concrete (With any surface treatment) | m² | 622,11 |
| 15.430.1402 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of granite aggregate concrete (With any surface treatment) | m² | 641,80 |
| 15.430.1403 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of quartz-silica + marble aggregate concrete (With any surface treatment) | m² | 700,86 |
| 15.430.1404 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of quartz-silica aggregate concrete (With any surface treatment) | m² | 753,36 |
| | **(U)-shaped splash boards, parapets or coping tiles** | | |
| 15.430.1501 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of marble aggregate concrete (With any surface treatment) | m² | 700,86 |
| 15.430.1502 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of granite aggregate concrete (With any surface treatment) | m² | 740,24 |
| 15.430.1503 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of quartz-silica + marble aggregate concrete (With any surface treatment) | m² | 792,74 |
| 15.430.1504 | Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of quartz-silica aggregate concrete (With any surface treatment) | m² | 832,11 |
| | **NATURAL/CONCRETE PAVING STONE, LAWN BLOCK, GUTTER STONE, KERB WORKS** | | |
| | **Supply and laying of concrete paving stones** | | |
| 15.435.1001 | Flooring with 6-cm-high steam-cured concrete paving stones with white cement (in any size, color and pattern) | m² | 159,25 |
| 15.435.1002 | Flooring with 8-cm-high steam-cured concrete paving stones with white cement (in any size, color and pattern) | m² | 165,81 |
| 15.435.1003 | Flooring with 10-cm-high steam-cured concrete paving stones with white cement (in any size, color and pattern) | m² | 172,38 |
| 15.435.1004 | Flooring with 6-cm-high steam-cured concrete paving stones with regular cement (in any size, color and pattern) | m² | 152,69 |
| 15.435.1005 | Flooring with 8-cm-high steam-cured concrete paving stones with regular cement (in any size, color and pattern) | m² | 159,25 |
| 15.435.1006 | Flooring with 10-cm-high steam-cured concrete paving stones with regular cement (in any size, color and pattern) | m² | 165,81 |
| | **Supply and laying of concrete lawn blocks** | | |
| 15.435.1101 | Flooring with 8-cm-high steam-cured concrete lawn blocks with white cement (in any size, color and pattern) | m² | 185,50 |
| 15.435.1102 | Flooring with 10-cm-high steam-cured concrete lawn blocks with white cement (in any size, color and pattern) | m² | 197,31 |
| 15.435.1103 | Flooring with 8-cm-high steam-cured concrete lawn blocks with regular cement (in any size, color and pattern) | m² | 178,94 |
| 15.435.1104 | Flooring with 10-cm-high steam-cured concrete lawn blocks with regular cement (in any size, color and pattern) | m² | 190,75 |
| | **Supply and laying of kerbs** | | |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.435.1201 | Laying of steam-cured concrete kerbs with white cement and sized 50 x 20 x 10 cm (chamfered, in any color) | m | 76,15 |
| 15.435.1202 | Laying of steam-cured concrete kerbs with white cement and sized 75 x 30 x 15 cm (chamfered, in any color) | m | 82,71 |
| 15.435.1203 | Laying of steam-cured concrete kerbs with regular cement and sized 50 x 20 x 10 cm (chamfered, in any color) | m | 69,59 |
| 15.435.1204 | Laying of steam-cured concrete kerbs with regular cement and sized 75 x 30 x 15 cm (chamfered, in any color) | m | 76,15 |
| 15.435.1205 | Supply and laying of andesite kerbs sized 10 x 15 x 50 cm | m | 124,71 |
| 15.435.1206 | Supply and laying of andesite kerbs sized 10 x 20 x 50 cm | m | 135,21 |
| 15.435.1207 | Supply and laying of andesite kerbs sized 10 x 20 x 70 cm | m | 135,59 |
| | **Supply and laying of gutter stones** | | |
| 15.435.1301 | Laying of steam-cured concrete gutter stones with white cement and sized 30 x 10 x free dimension cm (in any color) | m | 95,84 |
| 15.435.1302 | Laying of steam-cured concrete gutter stones with regular cement and sized 30 x 10 x free dimension cm (in any color) | m | 89,28 |
| 15.435.1303 | Laying of andesite gutter stones sized 50 x 20 cm | m | 156,21 |
| | **Supply and laying of natural paving stones** | | |
| 15.435.7001 | Flooring with natural andesite paving stones (10 x 10 cm)<br>(for roads, squares, parks, pavements and other similar areas) | m² | 162,56 |
| 15.435.7002 | Flooring with natural andesite paving stones (10 x 10 cm)<br>(for roads, squares, parks, pavements and other similar areas) | m² | 173,81 |
| 15.435.7003 | Flooring with natural andesite paving stones (10 x 10 cm)<br>(for roads, squares, parks, pavements and other similar areas) | m² | 206,81 |
| | **EXPANSION WORKS FOR FLOORING, WALLS AND FACADES** | | |
| 15.440.1001 | Making expansion joints with anodized aluminum covering profiles with 120 mm width and 1.3 mm wall thickness on walls, ceilings and facades<br>(For 50-mm-wide expansions) | m | 122,28 |
| 15.440.1002 | Making expansion joints (with rubber gaskets, min. 1.5 aluminum wall thickness, +/- 4 mm moving capacity, 13 mm profile height, and 45 mm wing width) on ceilings and walls with expansion profiles on the coating (for 50-mm-wide expansions) | m | 154,01 |
| 15.440.1003 | Making expansion joints with anodized aluminum covering profiles with 120 mm width and 2.2 mm wall thickness on floors (for 50-mm-wide expansions) (Resistant to pedestrian loads) | m | 160,34 |
| 15.440.1004 | Making expansion joints (with rubber gaskets, min. 2 mm aluminum wall thickness, +/- 4 mm moving capacity, 35 mm profile height, and 45 mm wing width) on floors with expansion profiles under the coating (for 50-mm-wide expansions) (resistant to pedestrian loads) | m | 266,70 |
| 15.440.1005 | Making expansion joints (with strip gaskets made of rubber and aluminum, min. 2.5 mm aluminum wall thickness, +/- 4 mm moving capacity, 40 mm profile height, and 45 mm wing width, the area between the supports where the gasket is placed reinforced with additional elements) on floors with expansion profiles under the coating (for 50-mm-wide expansions) (resistant to pedestrian loads) | m | 446,51 |
| 15.440.1006 | Making expansion joints (with rubber gaskets, min. 1.5 mm aluminum wall thickness, +/- 4 mm moving capacity, 15 mm profile height, and 45 mm wing width) on floors with expansion profiles over the coating (for 50-mm-wide expansions) (resistant to pedestrian loads) | m | 231,96 |
| 15.440.1007 | Making expansion joints (with strip gaskets made of rubber and aluminum, min. 2 mm aluminum wall thickness, +/- 4 mm moving capacity, 20 mm profile height, and 45 mm wing width, the area between the supports where the gasket is placed reinforced with additional elements) on floors with expansion profiles on the coating (for 50-mm-wide expansions) (resistant to pedestrian loads) | m | 272,65 |
| 15.440.1008 | Water insulation for expansions using 30-cm-wide and min. 1-mm-thick expansion insulation tapes. | m | 188,44 |
| | **GLASS, CERAMIC, NATURAL STONE AND MOSAIC PANELING** | | |
| 15.445.1001 | Wall and facade paneling with meshed glass mosaics (aligned on mesh) in any color, size, shape and pattern | m² | 216,48 |
| 15.445.1002 | Wall and facade paneling with meshed ceramic mosaics (glazed/non-glazed porcelain) (aligned on mesh) in any color, size, shape and pattern | m² | 260,25 |
| 15.445.1003 | Jointless wall and facade paneling with meshed natural stone mosaics (aligned on mesh) in any color, size, shape and pattern (jointless - blasted surface) | m² | 344,73 |
| 15.445.1004 | Jointed wall and facade paneling with meshed natural stone mosaics (aligned on mesh) in any color, size, shape and pattern (jointed - plain surface) | m² | 370,98 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| | **MOSAIC SPLASH BOARDS, PARAPETS AND COPING TILES** | | |
| 15.450.1001 | Building mosaic windowsills (with regular cement) | m² | 865,09 |
| 15.450.1002 | Building mosaic windowsills (with white cement) | m² | 883,61 |
| 15.450.1003 | Building mosaic parapets (with regular cement) | m² | 856,85 |
| 15.450.1004 | Building mosaic parapets (with white cement) | m² | 872,29 |
| 15.450.1005 | Building mosaic-lined concrete coping tiles on masonry walls of any width (with regular cement) | m² | 638,99 |
| 15.450.1006 | Building mosaic-lined concrete coping tiles on masonry walls of any width (with white cement) | m² | 654,43 |
| | **PVC JOINERY** | | |
| 15.455.1001 | Production and installation of plastic joinery (Any kind of door, window, paneling and similar other applications of hard PVC joinery profiles)<br>Note: All main and additional profiles should be marked along the profile length at min.<br>1-meter intervals on spots that are not visible when the window is closed.<br>Marking of the main and additional profiles should contain the following minimum information.<br>- The name or trademark of the manufacturer,<br>- The marking and number of this standard (in the form of TS EN 12608-1),<br>- Wall thickness class,<br>- Production code (e.g. date, etc.) to ensure traceability | Kg | 47,66 |
| | **ALMINUM JOINERY** | | |
| 15.460.1001 | Production and installation of natural-matte and anodized aluminum joinery profiles without thermal insulation | Kg | 125,80 |
| 15.460.1002 | Production and installation of natural-glossy or sandblasted, satin and anodized aluminum joinery without thermal insulation | Kg | 143,19 |
| 15.460.1003 | Production and installation of colored-matte anodized aluminum joinery without thermal insulation | Kg | 127,14 |
| 15.460.1004 | Production and installation of colored-glossy or sandblasted, satin and anodized aluminum joinery without thermal insulation | Kg | 128,48 |
| 15.460.1005 | Production and installation of electrostatic powder-coated aluminum joinery without thermal insulation | Kg | 141,85 |
| 15.460.1006 | Production and installation of natural-matte and anodized aluminum joinery with thermal insulation | Kg | 143,19 |
| 15.460.1007 | Production and installation of natural-glossy or sandblasted and anodized aluminum joinery with thermal insulation | Kg | 145,86 |
| 15.460.1008 | Production and installation of colored-matte and anodized aluminum joinery with thermal insulation | Kg | 143,19 |
| 15.460.1009 | Production and installation of colored-glossy, sandblasted and anodized aluminum joinery with thermal insulation | Kg | 145,86 |
| 15.460.1010 | Production and installation of electrostatic powder-coated aluminum joinery with thermal insulation | Kg | 143,19 |
| | **METAL JOINERY HARDWARE** | | |
| | **Unit Price of Metal Hardware for Doors (Wood, Metal, Plastic)** | | |
| 15.465.1001 | Installation of mortise interior door locks (Wide Type) | Qty | 45,00 |
| 15.465.1002 | Installation of mortise interior door locks (Narrow Type) | Qty | 45,00 |
| 15.465.1003 | Installation of mortise roller lock for interior (Wide and narrow type) | Qty | 72,50 |
| 15.465.1004 | Installation of cylinder mortise interior and exterior door locks (Wide and narrow type) | Qty | 118,75 |
| 15.465.1005 | Installation of mortise roller lock for interior and exterior doors (Wide and narrow types) | Qty | 118,75 |
| 15.465.1006 | Installation of mortise roller lock for interior and exterior doors (Wide and narrow types) | Qty | 118,75 |
| 15.465.1007 | Installation of ground cylinder exterior door locks | Qty | 132,50 |
| 15.465.1008 | Installation of door handles and panels (Chrome-plated) | Qty | 46,25 |
| 15.465.1009 | Installation of rubber seal plugs | Qty | 8,00 |
| 15.465.1010 | Installation of hinges | Qty | 7,75 |
| 15.465.1011 | Installation of spring hinges | Qty | 73,75 |
| 15.465.1012 | Installation of door bolts (Vertical securing set) | Qty | 10,00 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.465.1013 | Installation of stops (Nickel-plated) | Qty | 36,25 |
| | **Unit Price of Metal Hardware for Windows (Wood, Metal, Plastic)** | | |
| 15.465.1101 | Installation of window bar hardware (Handle, grill and other components) | Qty | 40,00 |
| 15.465.1102 | Installation of transom window hardware (Simple folding mechanism) | Qty | 11,25 |
| 15.465.1103 | Installation of transom window hardware (Steel folding mechanism, chrome-plated lever and handle) | Qty | 31,25 |
| 15.465.1104 | Installation of the latch (window bar handle and cam) Yellow brass screw with insert nut | Qty | 25,63 |
| 15.465.1105 | Installation of door bolts | Qty | 8,50 |
| 15.465.1106 | Installation of rubber seal plugs | Qty | 9,38 |
| 15.465.1107 | Installation of spring-loaded securing latches | Qty | 12,00 |
| 15.465.1108 | Installation of counterweight sets (Together with cast, wire, yellow pulley, knit, wire sockets) | Kg | 12,00 |
| 15.465.1109 | Installation of sliding window handles | Qty | 36,25 |
| 15.465.1110 | Installation of clutch window bar hardware (80 cm including lever) (2-clutch) (for wood) | Qty | 36,25 |
| 15.465.1111 | Installation of clutch window bar hardware (100 cm including lever) (3-clutch) (for wood) | Qty | 42,50 |
| 15.465.1112 | Installation of clutch window bar hardware (120 cm including lever) (3-clutch) (for wood) | Qty | 50,00 |
| 15.465.1113 | Installation of clutch window bar hardware (140 cm including lever) (3-clutch) (for wood) | Qty | 50,00 |
| 15.465.1114 | Installation of clutch window bar hardware (160 cm including lever) (3-clutch) (for wood) | Qty | 55,00 |
| 15.465.1115 | Installation of clutch window bar hardware (180 cm including lever) (4-clutch) (for wood) | Qty | 58,75 |
| 15.465.1116 | Installation of hinges | Qty | 9,38 |
| 15.465.1117 | Installation of continuous hinges | m | 14,38 |
| 15.465.1118 | Installation of plastic-coated, adjustable hinges (pair) | Qty | 36,25 |
| | **Unit Price of Metal Hardware for Windows (Wood, Metal and Plastic) (Subject to written approval of the administration.)** | | |
| 15.465.1201 | Installation of window bar hardware (including handle) Two-clutch, up to 100 cm | Qty | 127,50 |
| 15.465.1202 | Installation of window bar hardware (including handle) Three-clutch, up to 180 cm | Qty | 157,50 |
| 15.465.1203 | Installation of window bar hardware (including handle) Four-clutch, larger than 180 cm | Qty | 157,50 |
| 15.465.1204 | Installation of transom window bar hardware (Including lever and folding mechanism) | Qty | 127,50 |
| | **INSTALLATION OF DOUBLE-GLAZED WINDOW UNITS ON WOOD, PVC and ALUMINUM JOINERY** | | |
| 15.470.1001 | Installation of double-glazed window units with 3+3 mm thickness and 12 mm middle gap on wood joinery with glazing bead | m² | 721,64 |
| 15.470.1002 | Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, on wood joinery with glazing bead | m² | 741,33 |
| 15.470.1003 | Installation of double-glazed window units with 5+5 mm thickness and 12 mm middle gap, on wood joinery with glazing bead | m² | 839,76 |
| 15.470.1004 | Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, on wood joinery with glazing bead | m² | 885,70 |
| 15.470.1005 | Installation of double-glazed window units with 3+3 mm thickness and 16 mm middle gap, on wood joinery with glazing bead | m² | 728,20 |
| 15.470.1006 | Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, on wood joinery with glazing bead | m² | 747,89 |
| 15.470.1007 | Installation of double-glazed window units with 5+5 mm thickness and 16 mm middle gap, on wood joinery with glazing bead | m² | 846,33 |
| 15.470.1008 | Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, on wood joinery with glazing bead | m² | 898,83 |
| 15.470.1009 | Installation of double-glazed window units with 3+3 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 560,79 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.470.1010 | Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 580,48 |
| 15.470.1011 | Installation of double-glazed window units with 5+5 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 678,91 |
| 15.470.1012 | Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 724,85 |
| 15.470.1013 | Installation of double-glazed window units with 3+3 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 567,35 |
| 15.470.1014 | Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 587,04 |
| 15.470.1015 | Installation of double-glazed window units with 5+5 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 685,48 |
| 15.470.1016 | Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles | m² | 737,98 |
| | **INSTALLATION OF DOUBLE-GLAZED WINDOW UNITS (with thermal control coating) ON WOOD, PVC and ALUMINUM JOINERY** | | |
| 15.470.1201 | Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 800,39 |
| 15.470.1202 | Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 846,33 |
| 15.470.1203 | Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 879,14 |
| 15.470.1204 | Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 957,89 |
| 15.470.1205 | Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 918,51 |
| 15.470.1206 | Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 806,95 |
| 15.470.1207 | Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 859,45 |
| 15.470.1208 | Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 898,83 |
| 15.470.1209 | Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 977,58 |
| 15.470.1210 | Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead | m² | 938,20 |
| 15.470.1211 | Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 639,54 |
| 15.470.1212 | Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 685,48 |
| 15.470.1213 | Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 718,29 |
| 15.470.1214 | Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 797,04 |
| 15.470.1215 | Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 757,66 |
| 15.470.1216 | Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 646,10 |
| 15.470.1217 | Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 698,60 |
| 15.470.1218 | Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 737,98 |
| 15.470.1219 | Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 816,73 |
| 15.470.1220 | Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 777,35 |
| | **INSTALLATION OF DOUBLE-GLAZED WINDOW UNITS (WITH SOLAR AND THERMAL CONTROL COATING) ON WOOD, PVC and ALUMINUM JOINERY** | | |
| 15.470.1401 | Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 859,45 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.470.1402 | Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 905,39 |
| 15.470.1403 | Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 938,20 |
| 15.470.1404 | Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 944,76 |
| 15.470.1405 | Installation of double-glazed window units with 6+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 997,26 |
| 15.470.1406 | Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 1.036,64 |
| 15.470.1407 | Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 866,01 |
| 15.470.1408 | Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 918,51 |
| 15.470.1409 | Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 944,76 |
| 15.470.1410 | Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 957,89 |
| 15.470.1411 | Installation of double-glazed window units with 6+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 1.003,83 |
| 15.470.1412 | Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead | m² | 1.043,20 |
| 15.470.1413 | Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 698,60 |
| 15.470.1414 | Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 744,54 |
| 15.470.1415 | Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 777,35 |
| 15.470.1416 | Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 783,91 |
| 15.470.1417 | Installation of double-glazed window units with 6+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 836,41 |
| 15.470.1418 | Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 875,79 |
| 15.470.1419 | Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 705,16 |
| 15.470.1420 | Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 757,66 |
| 15.470.1421 | Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 783,91 |
| 15.470.1422 | Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 797,04 |
| 15.470.1423 | Installation of double-glazed window units with 6+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 842,98 |
| 15.470.1424 | Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile | m² | 882,35 |
| | **WOODEN FLOORING** | | |
| 15.475.1001 | Square timber flooring | m² | 427,51 |
| 15.475.1002 | Wooden flooring on existing square timber | m² | 360,91 |
| | **HARDWOOD PARQUET** | | |
| 15.480.1001 | First class oak floor paneling with 15 to 16-mm-thick square timber on concrete | m² | 727,95 |
| 15.480.1002 | 15 to 16-mm-thick first class oak floor paneling by adhesive bonding on concrete | m² | 562,50 |
| | **LAMINATE FLOORING** | | |
| 15.485.1001 | Laminate flooring (including baseboard) | m² | 513,59 |
| | **LAMINATE FLOORING** | | |
| 15.490.1001 | Laminate flooring (AC1 Class 21) (including baseboard) | m² | 130,56 |

15.100.-Construction Unit Prices and Definitions List

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.490.1002 | Laminate flooring (AC3 Class 23-31) (including baseboard) | m² | 148,36 |
| 15.490.1003 | Laminate flooring (AC4 Class 32) (including baseboard) | m² | 169,06 |
| | **WOODEN SKIRTING** | | |
| 15.495.1001 | Production and installation of wooden baseboard | m | 50,91 |
| | **WOODEN HANDRAILS** | | |
| 15.500.1003 | Production and installation of straight handrails for staircase | m | 239,59 |
| 15.500.1004 | Production and installation of curved handrails for staircase | m | 505,39 |
| | **WOODEN WAINSCOT** | | |
| 15.505.1001 | Wooden wainscoting | m² | 963,19 |
| | **WOODEN DOOR FRAME AND DOOR CASING** | | |
| 15.510.1001 | Production and installation of solid wood panel interior door frame and casing | m² | 582,53 |
| 15.510.1002 | Production and installation of solid wood panel exterior door frame and casing | m² | 858,23 |
| | **WOODEN DOOR LEAF** | | |
| 15.510.1101 | Production and installation of solid wood panel interior door leaves | m² | 536,24 |
| 15.510.1102 | Production and installation of solid wood panel exterior door leaves | m² | 774,15 |
| 15.510.1103 | Production and installation of interior door leaves with both surfaces made of pressed wood fiber boards, and with laminate paneling and craft filling | m² | 749,61 |
| 15.510.1104 | Production and installation of interior door leaves with both surfaces made of pressed wood fiber boards, and with laminate paneling and perforated particle board filling | m² | 678,10 |
| 15.510.1105 | Production and installation of wooden interior swinging door leaves with glass | m² | 489,58 |
| | **QUILTING** | | |
| 15.510.9991 | Faux leather quilt lining of the existing doors | m² | 450,86 |
| | **WOODEN WINDOW** | | |
| 15.515.1001 | Production and installation of single-surfaced windows with wooden frame and casing | m² | 662,38 |
| | **WOODEN DISPLAY WINDOW** | | |
| 15.515.1101 | Production and installation of wooden interior display window | m² | 449,20 |
| | **TYPICAL WOODEN CLOSETS** | | |
| 15.520.1001 | Production and installation of flush-mounted typical wooden closets (2.50 x 1.80 = 4.50 m²) | m² | 1.010,71 |
| 15.520.1002 | Production and installation of typical under-counter cabinets (1.68 x 0.85 =1.43m²) | m² | 1.906,44 |
| 15.520.1003 | Production and installation of typical over-counter cabinets (3.04 x 0.80 = 2.46m² ) | m² | 1.493,09 |
| | **BUG SCREEN** | | |
| 15.525.1001 | Production and installation of (detachable) bug screens made of plastic wire with wooden frame | m² | 301,89 |
| 15.525.1002 | Production and installation of (detachable) bug screens made of plastic wire with aluminum frame | m² | 234,50 |
| 15.525.1003 | Production and installation of (detachable) bug screens made of plastic wire with PVC frame | m² | 208,65 |
| | **DRY WALL SYSTEMS AND SUSPENDED CEILINGS MADE FROM GYPSUM BOARDS** | | |
| | **Production of Exterior Clad Walls and Exterior Walls** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1151 | Building clad wall with T profile with 60 cm axle space on the existing wall with 12.5-mm-thick gypsum boards covered on both sides with fiber mats, with increased fire resistance, reduced water absorption rate and increased breaking strength | m² | 361,13 |
| 15.530.1152 | Building clad wall with DC profiles with 60 cm axle space on the existing wall with 12.5-mm-thick gypsum boards covered on both sides with fiber mats, with increased fire resistance, reduced water absorption rate and increased breaking strength | m² | 361,84 |
| 15.530.1201 | Building a single-frame exterior wall with fiber-reinforced gypsum boards covered with glass fiber on both sides (C 100 profile - 60 cm axle space for a single wall) (outer surface: single layer, 12.5-mm glass fiber mat-coated board, inner surface: single layer, 12.5 mm gypsum board and single layer, 12.5 mm glass fiber mat-coated board) | m² | 422,98 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1202 | Building a single-frame exterior wall with fiber-reinforced gypsum boards covered with glass fiber on both sides (C 100 profile - 40 cm axle space for a single wall) (outer surface: single layer, 12.5-mm glass fiber mat-coated board, inner surface: single layer, 12.5 mm gypsum board and single layer, 12.5 mm glass fiber mat-coated board) | m² | 459,61 |
| 15.530.1203 | Building a double-frame (connected) exterior wall with fiber-reinforced gypsum boards covered with glass fiber on both sides (C 75 profile - 60 cm axle space for two walls) (outer surface: single layer, 12.5-mm glass fiber mat-coated board, inner surface: single layer, 12.5 mm gypsum board and single layer, 12.5 mm glass fiber mat-coated board) | m² | 499,76 |
| | **Production of Partition Walls (Single frame - 12.5 mm, with Single Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1251 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards on both sides) | m² | 199,55 |
| 15.530.1252 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 212,15 |
| 15.530.1253 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 211,10 |
| 15.530.1254 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 225,28 |
| 15.530.1255 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 12.5 mm standard gypsum boards on both sides) | m² | 228,50 |
| 15.530.1256 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 241,10 |
| 15.530.1257 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 240,05 |
| 15.530.1258 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 254,23 |
| 15.530.1259 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards on both sides) | m² | 209,03 |
| 15.530.1260 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 221,63 |
| 15.530.1261 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 220,58 |
| 15.530.1262 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 234,75 |
| 15.530.1263 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 12.5 mm standard gypsum boards on both sides) | m² | 240,24 |
| 15.530.1264 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 252,84 |
| 15.530.1265 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 251,79 |
| 15.530.1266 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 265,96 |
| 15.530.1267 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards on both sides) | m² | 218,68 |
| 15.530.1268 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 231,28 |
| 15.530.1269 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 230,23 |
| 15.530.1270 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 244,40 |
| 15.530.1271 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 12.5 mm standard gypsum boards on both sides) | m² | 252,25 |
| 15.530.1272 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 264,85 |
| 15.530.1273 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 263,80 |
| 15.530.1274 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 277,98 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| | **Production of Partition Walls (Single frame - 15 mm, with Single Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1301 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 15 mm standard gypsum boards on both sides) | m² | 208,48 |
| 15.530.1302 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 223,70 |
| 15.530.1303 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 219,50 |
| 15.530.1304 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 233,94 |
| 15.530.1305 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 15 mm standard gypsum boards on both sides) | m² | 237,43 |
| 15.530.1306 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 252,65 |
| 15.530.1307 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 248,45 |
| 15.530.1308 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 262,89 |
| 15.530.1309 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 15 mm standard gypsum boards on both sides) | m² | 217,95 |
| 15.530.1310 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 233,18 |
| 15.530.1311 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 228,98 |
| 15.530.1312 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 243,41 |
| 15.530.1313 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 15 mm standard gypsum boards on both sides) | m² | 249,16 |
| 15.530.1314 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 264,39 |
| 15.530.1315 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 260,19 |
| 15.530.1316 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 274,63 |
| 15.530.1317 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 15 mm standard gypsum boards on both sides) | m² | 227,60 |
| 15.530.1318 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 242,83 |
| 15.530.1319 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 238,63 |
| 15.530.1320 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 253,06 |
| 15.530.1321 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 15 mm standard gypsum boards on both sides) | m² | 261,18 |
| 15.530.1322 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 276,40 |
| 15.530.1323 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 272,20 |
| 15.530.1324 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with single layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 286,64 |
| | **Production of Partition Walls (Single frame - 12.5 mm, with Double Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1351 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 248,63 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1352 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 273,83 |
| 15.530.1353 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 271,73 |
| 15.530.1354 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 300,08 |
| 15.530.1355 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 278,30 |
| 15.530.1356 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 303,50 |
| 15.530.1357 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 301,40 |
| 15.530.1358 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 329,75 |
| 15.530.1359 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 258,10 |
| 15.530.1360 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 283,30 |
| 15.530.1361 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 281,20 |
| 15.530.1362 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 309,55 |
| 15.530.1363 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 290,04 |
| 15.530.1364 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 315,24 |
| 15.530.1365 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 313,14 |
| 15.530.1366 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 341,49 |
| 15.530.1367 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 267,75 |
| 15.530.1368 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 292,95 |
| 15.530.1369 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 290,85 |
| 15.530.1370 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 319,20 |
| 15.530.1371 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 302,05 |
| 15.530.1372 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 327,25 |
| 15.530.1373 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 325,15 |
| 15.530.1374 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 353,50 |
| | **Production of Partition Walls (Single frame - 15 mm, with Double Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1401 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 266,48 |
| 15.530.1402 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 296,93 |
| 15.530.1403 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 288,53 |
| 15.530.1404 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 317,40 |
| 15.530.1405 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 296,15 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1406 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 326,60 |
| 15.530.1407 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 318,20 |
| 15.530.1408 | Building a single-frame partition wall with gypsum boards (C 50 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 347,08 |
| 15.530.1409 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 275,95 |
| 15.530.1410 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 306,40 |
| 15.530.1411 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 298,00 |
| 15.530.1412 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 326,88 |
| 15.530.1413 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 307,89 |
| 15.530.1414 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 338,34 |
| 15.530.1415 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 329,94 |
| 15.530.1416 | Building a single-frame partition wall with gypsum boards (C 75 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 358,81 |
| 15.530.1417 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 285,60 |
| 15.530.1418 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 316,05 |
| 15.530.1419 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 307,65 |
| 15.530.1420 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 336,53 |
| 15.530.1421 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 319,90 |
| 15.530.1422 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 350,35 |
| 15.530.1423 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 341,95 |
| 15.530.1424 | Building a single-frame partition wall with gypsum boards (C 100 profile - 40 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 370,83 |
| | **Production of Partition Walls (Single frame - 12.5 mm, with Three Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1451 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with three layer 12.5 mm standard gypsum boards on both sides) | m² | 298,06 |
| 15.530.1452 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 335,86 |
| 15.530.1453 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 332,71 |
| 15.530.1454 | Building a single-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 375,24 |
| 15.530.1455 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with three layer 12.5 mm standard gypsum boards on both sides) | m² | 307,54 |
| 15.530.1456 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 345,34 |
| 15.530.1457 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 342,19 |
| 15.530.1458 | Building a single-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 384,71 |
| 15.530.1459 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with three layer 12.5 mm standard gypsum boards on both sides) | m² | 317,19 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1460 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 354,99 |
| 15.530.1461 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 351,84 |
| 15.530.1462 | Building a single-frame partition wall with gypsum boards (C 100 profile - 60 cm axle space) (with three layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 394,36 |
| | **Production of Partition Walls (Double frame - 12.5 mm, with Double Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1501 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 343,28 |
| 15.530.1502 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 368,48 |
| 15.530.1503 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 366,38 |
| 15.530.1504 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 394,73 |
| 15.530.1505 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 361,13 |
| 15.530.1506 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 391,58 |
| 15.530.1507 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 383,18 |
| 15.530.1508 | Building a double-frame partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 412,05 |
| 15.530.1509 | Building a double-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 362,23 |
| 15.530.1510 | Building a double-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 387,43 |
| 15.530.1511 | Building a double-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 385,33 |
| 15.530.1512 | Building a double-frame partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire-resistance) on both sides) | m² | 413,68 |
| | **Production of Partition Walls (Double frame - Bonded with Gypsum Board Strips)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1551 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 379,25 |
| 15.530.1552 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 405,05 |
| 15.530.1553 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 402,90 |
| 15.530.1554 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire resistance) on both sides) | m² | 431,93 |
| 15.530.1555 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm standard gypsum boards on both sides) | m² | 397,53 |
| 15.530.1556 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 428,70 |
| 15.530.1557 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 420,10 |
| 15.530.1558 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 50 profile - 60 cm axle space) (with double layer 15 mm gypsum boards (with reduced water absorption rate and enhanced fire resistance) on both sides) | m² | 449,66 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1559 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards on both sides) | m² | 398,20 |
| 15.530.1560 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate) on both sides) | m² | 424,00 |
| 15.530.1561 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with enhanced fire-resistance) on both sides) | m² | 421,85 |
| 15.530.1562 | Building a double-frame (bonded with gypsum board strips) partition wall with gypsum boards (C 75 profile - 60 cm axle space) (with double layer 12.5 mm gypsum boards (with reduced water absorption rate and enhanced fire resistance) on both sides) | m² | 450,88 |
| | **Production of Clad Walls (Bonded)** | | |
| 15.530.1701 | Wall cladding by gluing gypsum boards (with 12.5-mm single layer standard gypsum boards) | m² | 142,39 |
| 15.530.1702 | Wall cladding by gluing gypsum boards (with 12.5-mm single layer gypsum boards with reduced water absorption rate) | m² | 148,69 |
| 15.530.1703 | Wall cladding by gluing gypsum boards (with 12.5-mm single layer gypsum boards with enhanced fire-resistance) | m² | 148,16 |
| 15.530.1704 | Wall cladding by gluing gypsum boards (with 12.5-mm single layer gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 155,25 |
| | **Production of Clad Walls (Single frame - 12.5 mm, with Single Layer Gypsum Board)** | | |
| | (The partition and clad wall production analyses do not cover insulation materials. A panel-type insulation material in compliance with the TS EN 13162 fulfilling the performance requirements of the specifications shall be added to the analysis. | | |
| 15.530.1726 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 126,48 |
| 15.530.1727 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 132,78 |
| 15.530.1728 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 132,25 |
| 15.530.1729 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 139,34 |
| 15.530.1730 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 130,94 |
| 15.530.1731 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate) | m² | 138,55 |
| 15.530.1732 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 136,45 |
| 15.530.1733 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 143,68 |
| 15.530.1751 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards) | m² | 160,86 |
| 15.530.1752 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with double layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 173,46 |
| 15.530.1753 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with double layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 172,41 |
| 15.530.1754 | Building a single-frame clad wall with gypsum boards (C 60 profile single ceiling - 60 cm axle space) (with double layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 186,59 |
| 15.530.1776 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 163,49 |
| 15.530.1777 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 169,79 |
| 15.530.1778 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 169,26 |
| 15.530.1779 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 176,35 |
| 15.530.1780 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 196,96 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1781 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 203,26 |
| 15.530.1782 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 202,74 |
| 15.530.1783 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 209,83 |
| 15.530.1784 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 172,96 |
| 15.530.1785 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 179,26 |
| 15.530.1786 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 178,74 |
| 15.530.1787 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 185,83 |
| 15.530.1788 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 12.5 mm standard gypsum boards) | m² | 208,70 |
| 15.530.1789 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 215,00 |
| 15.530.1790 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 214,48 |
| 15.530.1791 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 221,56 |
| 15.530.1792 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 167,95 |
| 15.530.1793 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate) | m² | 189,05 |
| 15.530.1794 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 15 mm gypsum boards with enhanced fire-resistance) | m² | 173,46 |
| 15.530.1795 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 180,69 |
| 15.530.1796 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 201,43 |
| 15.530.1797 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate) | m² | 209,04 |
| 15.530.1798 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 15 mm gypsum boards with enhanced fire-resistance) | m² | 206,94 |
| 15.530.1799 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 214,16 |
| 15.530.1800 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 177,43 |
| 15.530.1801 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate) | m² | 185,04 |
| 15.530.1802 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 15 mm gypsum boards with enhanced fire-resistance) | m² | 182,94 |
| 15.530.1803 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 60 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 190,16 |
| 15.530.1804 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 15 mm standard gypsum boards) | m² | 213,16 |
| 15.530.1805 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate) | m² | 220,78 |
| 15.530.1806 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 15 mm gypsum boards with enhanced fire-resistance) | m² | 218,68 |
| 15.530.1807 | Building a single-frame clad wall with gypsum boards (C 75 profile single wall - 40 cm axle space) (with single layer 15 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 225,90 |
| 15.530.1826 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with double layer 12.5 mm standard gypsum boards) | m² | 197,88 |
| 15.530.1827 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with double layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 210,48 |
| 15.530.1828 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with double layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 209,43 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.530.1829 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 60 cm axle space) (with double layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 223,60 |
| 15.530.1830 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with double layer 12.5 mm standard gypsum boards) | m² | 212,09 |
| 15.530.1831 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with double layer 12.5 mm gypsum boards with reduced water absorption rate) | m² | 224,69 |
| 15.530.1832 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with double layer 12.5 mm gypsum boards with enhanced fire-resistance) | m² | 223,64 |
| 15.530.1833 | Building a single-frame clad wall with gypsum boards (C 50 profile single wall - 40 cm axle space) (with double layer 12.5 mm gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 237,81 |
| | **Production of Suspended Ceilings** | | |
| 15.530.1901 | Building double-frame suspended ceilings with suspension system, using gypsum boards (U-nail distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer standard gypsum boards) | m² | 231,90 |
| 15.530.1902 | Building double-frame suspended ceilings with suspension system, using gypsum boards (U-nail distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer gypsum boards with reduced water absorption rate) | m² | 238,20 |
| 15.530.1903 | Building double-frame suspended ceilings with suspension system, using gypsum boards (U-nail distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer gypsum boards with enhanced fire-resistance) | m² | 237,68 |
| 15.530.1904 | Building double-frame suspended ceilings with suspension system, using gypsum boards (U-nail distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 244,76 |
| 15.530.1905 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer standard gypsum boards) | m² | 235,04 |
| 15.530.1906 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer gypsum boards with reduced water absorption rate) | m² | 241,34 |
| 15.530.1907 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer gypsum boards with enhanced fire-resistance) | m² | 240,81 |
| 15.530.1908 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 900 mm in the same direction, Primary carrier profile distance: 1000 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm single-layer gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 247,90 |
| 15.530.1928 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 750 mm in the same direction, Primary carrier profile distance: 800 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm double-layer gypsum boards with enhanced fire-resistance) | m² | 279,53 |
| 15.530.1929 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 750 mm in the same direction, Primary carrier profile distance: 800 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm double-layer gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 293,70 |
| 15.530.1932 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 750 mm in the same direction, Primary carrier profile distance: 800 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm double-layer gypsum boards with enhanced fire-resistance) | m² | 289,96 |
| 15.530.1933 | Building double-frame suspended ceilings with suspension system, using gypsum boards (Suspension bar distance: 750 mm in the same direction, Primary carrier profile distance: 800 mm, Secondary carrier profile distance: 500 mm with axle distances) (using 12.5 mm double-layer gypsum boards with reduced water absorption rate and enhanced fire-resistance) | m² | 304,14 |
| | **METAL AND PVC SUSPENDED CEILING** | | |
| 15.535.1001 | Making lay-on ceiling systems made of 60 x 60 cm, 0.70-mm-thick, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 266,54 |
| 15.535.1002 | Making lay-on ceiling systems made of 60 x 60 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 271,79 |
| 15.535.1003 | Making lay-on ceiling systems made of 60 x 60 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 298,04 |
| 15.535.1004 | Making lay-on ceiling systems made of 30 x 30 cm, 0.50-mm-thick, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 367,10 |
| 15.535.1005 | Making lay-on ceiling systems made of 30 x 30 cm, 0.70-mm-thick, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 372,35 |

15.100.-Construction Unit Prices and Definitions List

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.535.1006 | Making lay-on ceiling systems made of 30 x 30 cm, 0.50-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 369,73 |
| 15.535.1007 | Making lay-on ceiling systems made of 30 x 30 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 372,35 |
| 15.535.1008 | Making lay-on ceiling systems made of 30 x 30 cm, 0.50-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 372,35 |
| 15.535.1009 | Making lay-on ceiling systems made of 30 x 30 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 381,54 |
| 15.535.1010 | Making lay-on ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, unperforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 254,73 |
| 15.535.1011 | Making lay-on ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 254,73 |
| 15.535.1012 | Making lay-on ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 266,54 |
| 15.535.1013 | Making lay-in ceiling systems made of 60 x 60 cm, 0.70-mm-thick, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 269,70 |
| 15.535.1014 | Making lay-in ceiling systems made of 60 x 60 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 274,95 |
| 15.535.1015 | Making lay-in ceiling systems made of 60 x 60 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 292,01 |
| 15.535.1016 | Making lay-in ceiling systems made of 30 x 30 cm, 0.50-mm-thick, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 370,26 |
| 15.535.1017 | Making lay-in ceiling systems made of 30 x 30 cm, 0.70-mm-thick, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 372,89 |
| 15.535.1018 | Making lay-in ceiling systems made of 30 x 30 cm, 0.50-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 370,26 |
| 15.535.1019 | Making lay-in ceiling systems made of 30 x 30 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 375,51 |
| 15.535.1020 | Making lay-in ceiling systems made of 30 x 30 cm, 0.50-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 384,70 |
| 15.535.1021 | Making lay-in ceiling systems made of 30 x 30 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 384,70 |
| 15.535.1022 | Making lay-in ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, unperforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 240,83 |
| 15.535.1023 | Making lay-in ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 252,64 |
| 15.535.1024 | Making lay-in ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 269,70 |
| 15.535.1025 | Making clip-in ceiling systems made of 60 x 60-cm, 0.70-mm-thick unperforated aluminum sheets (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 297,74 |
| 15.535.1026 | Making clip-in ceiling systems made of 60 x 60-cm, 0.70-mm-thick perforated aluminum sheets (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint | m² | 314,80 |
| 15.535.1027 | Making clip-in ceiling systems made of 60 x 60 cm, 0.70-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 339,74 |
| 15.535.1028 | Making clip-in ceiling systems made of 30 x 30-cm, 0.50-mm-thick unperforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint | m² | 351,55 |
| 15.535.1029 | Making clip-in ceiling systems made of 30 x 30-cm, 0.70-mm-thick unperforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint | m² | 372,55 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.535.1030 | Making clip-in ceiling systems made of 30 x 30-cm, 0.50-mm-thick perforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint | m² | 354,18 |
| 15.535.1031 | Making clip-in ceiling systems made of 30 x 30-cm, 0.70-mm-thick perforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint | m² | 380,43 |
| 15.535.1032 | Making clip-in ceiling systems made of 30 x 30 cm, 0.50-mm-thick, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 356,80 |
| 15.535.1033 | Making clip-in ceiling systems made of 60 x 60-cm, 0.50-mm-thick unperforated hot-dip galvanized metal sheets coated with 20-micron (polyester-based) electrostatic powder paint | m² | 260,41 |
| 15.535.1034 | Making clip-in ceiling systems made of 60 x 60-cm, 0.50-mm-thick perforated hot-dip galvanized metal sheets coated with 20-micron (polyester-based) electrostatic powder paint | m² | 263,04 |
| 15.535.1035 | Making clip-in ceiling systems made of 60 x 60-cm, 0.50-mm-thick hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side | m² | 278,79 |
| 15.535.1036 | Making suspended ceiling with 15-mm grid covers using 85-mm-wide, 0.70-mm-thick aluminum grids coated with roller-applied, 20-micron polyester-based paint | m² | 287,35 |
| 15.535.1037 | Making suspended ceiling with 20-mm grid covers using 85-mm-wide, 0.70-mm-thick perforated aluminum grids coated with roller-applied, 20-micron polyester-based paint | m² | 316,60 |
| 15.535.1038 | Making suspended ceiling with 20-mm grid covers using 100-mm-wide, 0.70-mm-thick aluminum grids coated with roller-applied, 20-micron polyester-based paint | m² | 266,93 |
| 15.535.1039 | Making suspended ceiling with 20-mm grid covers using 100-mm-wide, 0.70-mm-thick perforated aluminum grids coated with roller-applied, 20-micron polyester-based paint | m² | 295,20 |
| 15.535.1051 | Construction of a hard PVC suspended ceiling sized 60 x 60 cm and in any color and pattern | m² | 181,10 |
| | **COATING AND LINING WORKS** | | |
| | **Wooden Surfaces** | | |
| 15.540.1011 | One layer of synthetic coating on wooden surfaces | m² | 50,34 |
| 15.540.1012 | Two layers of synthetic coating on wooden surfaces | m² | 62,54 |
| 15.540.1013 | Two layers of synthetic coating with water-based paint on wooden surfaces (except wooden doors, windows, display windows, etc.) | m² | 94,28 |
| 15.540.1014 | Varnishing of wooden surfaces | m² | 52,91 |
| 15.540.1015 | Varnishing of wooden surfaces with colored wood preservative containing varnish | m² | 53,11 |
| 15.540.1016 | Preservation of wooden surfaces with colored wooden protectives | m² | 44,99 |
| 15.540.1017 | Polishing of any wooden parquet flooring | m² | 76,76 |
| | **Iron-Metal Surfaces** | | |
| 15.540.1111 | Two layer coating of iron surfaces against corrosion | m² | 44,56 |
| 15.540.1112 | Two layers of anti-rust and two layers of synthetic coating on iron surfaces | m² | 73,08 |
| 15.540.1113 | Two layers of solvent-based epoxy coating of iron surfaces | m² | 76,04 |
| | **Interior Wall Paint** | | |
| 15.540.1241 | Priming of exposed concrete surfaces with plaster or grout (interior wall) | m² | 22,10 |
| 15.540.1242 | Preparation of stained and sooty wall surfaces for paint work (interior wall) | m² | 52,44 |
| 15.540.1243 | Whitewashing of surfaces with old paint in three layers using white lime (interior walls) | m² | 38,86 |
| 15.540.1244 | Whitewashing of surfaces with old paint in three layers using colored lime (interior walls) | m² | 39,10 |
| 15.540.1245 | Applying primer, and two layers of water-based matte coating on surfaces with old paint (interior wall) | m² | 44,18 |
| 15.540.1246 | Applying primer, and two layers of water-based silk-matte coating on surfaces with old paint (interior wall) | m² | 47,68 |
| 15.540.1247 | Applying primer, and two layers of water-based semi-matte coating on surfaces with old paint (interior wall) | m² | 47,03 |
| 15.540.1248 | Applying primer, and two layers of water-based matte, antibacterial coating on surfaces with old paint (interior wall) | m² | 58,53 |
| 15.540.1249 | Applying primer, and two layers of water-based semi-matte, antibacterial coating on surfaces with old paint (interior wall) | m² | 57,65 |
| 15.540.1250 | Applying putty, primer, and two layers of synthetic coating on surfaces with old paint (interior wall) | m² | 63,28 |
| 15.540.1251 | Applying primer, and two layers of hybrid coating on surfaces with old paint (interior wall) | m² | 62,89 |
| 15.540.1252 | Whitewashing of surfaces with new plaster in three layers using white lime (interior walls) | m² | 38,65 |
| 15.540.1253 | Whitewashing of surfaces with new plaster in three layers using colored lime (interior walls) | m² | 38,89 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.540.1254 | Applying putty, primer and two layers of water-based matte coating on surfaces with new plaster (interior wall) | m² | 75,90 |
| 15.540.1255 | Applying primer and two layers of water-based matte coating on surfaces with new plaster (interior wall) | m² | 44,09 |
| 15.540.1256 | Applying primer and two layers of water-based matte coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 39,03 |
| 15.540.1257 | Applying putty, primer and two layers of water-based silk-matte coating on surfaces with new plaster (interior wall) | m² | 81,41 |
| 15.540.1258 | Applying primer and two layers of water-based silk-matte coating on surfaces with new plaster (interior wall) | m² | 47,59 |
| 15.540.1259 | Applying primer and two layers of water-based silk-matte coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 42,53 |
| 15.540.1260 | Applying putty, primer and two layers of water-based semi-matte coating on surfaces with new plaster (interior wall) | m² | 78,75 |
| 15.540.1261 | Applying primer and two layers of water-based semi-matte coating on surfaces with new plaster (interior wall) | m² | 46,94 |
| 15.540.1262 | Applying primer and two layers of water-based semi-matte coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 41,88 |
| 15.540.1263 | Applying putty, primer and two layers of water-based matte antibacterial coating on surfaces with new plaster (interior wall) | m² | 76,46 |
| 15.540.1264 | Applying primer and two layers of water-based matte antibacterial coating on surfaces with new plaster (interior wall) | m² | 55,15 |
| 15.540.1265 | Applying primer and two layers of water-based matte antibacterial coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 45,24 |
| 15.540.1266 | Applying putty, primer and two layers of water-based semi-matte antibacterial coating on surfaces with new plaster (interior wall) | m² | 75,59 |
| 15.540.1267 | Applying primer and two layers of water-based semi-matte antibacterial coating on surfaces with new plaster (interior wall) | m² | 54,28 |
| 15.540.1268 | Applying primer and two layers of water-based semi-matte antibacterial coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 44,36 |
| 15.540.1269 | Applying putty, primer and two layers of synthetic coating on surfaces with new plaster (interior wall) | m² | 83,71 |
| 15.540.1270 | Applying primer and two layers of synthetic coating on surfaces with new plaster (interior wall) | m² | 60,14 |
| 15.540.1271 | Applying primer and two layers of synthetic coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 57,33 |
| 15.540.1272 | Applying putty, primer and two layers of water-based hybrid coating on surfaces with new plaster (interior wall) | m² | 76,46 |
| 15.540.1273 | Applying primer and two layers of water-based hybrid coating on surfaces with new plaster (interior wall) | m² | 57,96 |
| 15.540.1274 | Applying primer and two layers of water-based hybrid coating on surfaces with satin plaster and gypsum board (interior wall) | m² | 55,71 |
| | **Exterior Wall Paint** | | |
| 15.540.1321 | Priming and coating of exposed concrete or surfaces with plaster or old paint, using water-based, acrylic paint (exterior wall) | m² | 59,60 |
| 15.540.1322 | Applying primer and coating on exposed concrete or surfaces with plaster or former paint, using water-based acrylic, grained/textured lining (exterior wall) | m² | 94,61 |
| 15.540.1323 | Priming and coating of exposed concrete or surfaces with plaster or old paint, using water-based, pure acrylic paint (exterior wall) | m² | 64,96 |
| 15.540.1324 | Priming and coating of exposed concrete or surfaces with plaster or old paint, using water-based, silicon paint (exterior wall) | m² | 67,03 |
| 15.540.1325 | Applying primer and coating on exposed concrete or surfaces with plaster or former paint, using silicon, grained/textured lining (exterior wall) | m² | 95,68 |
| 15.540.1326 | Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using thermoplastic resin-based paint (exterior wall) | m² | 66,85 |
| 15.540.1327 | Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using thermoplastic resin-based, grained/textured lining (exterior wall) | m² | 106,26 |
| 15.540.1328 | Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using elastomeric resin-based paint (exterior wall) | m² | 80,23 |
| 15.540.1329 | Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using photocatalytic paint (exterior wall) | m² | 73,90 |
| 15.540.1330 | Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using light-reflecting paint (exterior wall) | m² | 62,18 |
| 15.540.1331 | Application of water-based, transparent, UV-resistant protective coating on exposed concrete or plastered surfaces (exterior wall) | m² | 85,33 |
| 15.540.1332 | Siloxane-based, UV-resistant, transparent surface protection coating of natural stone and pressed bricks (exterior wall) | m² | 83,39 |
| 15.540.1333 | Application of water-based acrylic grained/textured coating on unplastered AAC (exterior wall) | m² | 99,93 |

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.540.1334 | Applying primer and coating on precast surfaces, using pure acrylic-based exterior wall paint (exterior wall) | m² | 71,05 |
| 15.540.1335 | Applying water-based, transparent, UV-resistant protective coating on precast surfaces (exterior wall) | m² | 85,33 |
| 15.540.1336 | Applying siloxane-based, UV-resistant, transparent surface protection coating on precast surfaces (exterior wall) | m² | 83,39 |
| 15.540.1337 | Applying primer and coating on cement and magnesite surfaces, using photocatalytic paint (exterior wall) | m² | 73,90 |
| 15.540.1338 | Applying primer and coating on glass-fiber-reinforced surfaces, using photocatalytic paint (exterior wall) | m² | 73,90 |
| 15.540.1339 | Applying primer and coating on surfaces with thermal insulation, using photocatalytic paint (exterior wall) | m² | 73,90 |
| | **Exterior Wall Coating** | | |
| 15.540.1421 | 1.5-mm-thick colored acrylic-based coating of concrete, plaster and similar other structures | m² | 93,36 |
| 15.540.1422 | 2-mm-thick colored acrylic-based coating of concrete, plaster and similar other structures | m² | 105,61 |
| 15.540.1423 | 3-mm-thick colored acrylic-based coating of concrete, plaster and similar other structures | m² | 123,08 |
| 15.540.1424 | 1.5-mm-thick colored, silicon-added, acrylic-based coating of concrete, plaster and similar other structures | m² | 104,91 |
| 15.540.1425 | 2-mm-thick colored, silicon-added, acrylic-based coating of concrete, plaster and similar other structures | m² | 122,41 |
| 15.540.1426 | 3-mm-thick colored, silicon-added, acrylic-based coating of concrete, plaster and similar other structures | m² | 144,08 |
| 15.540.1427 | 1.5-mm-thick cement-based coating of concrete, plaster and similar other structures | m² | 75,96 |
| 15.540.1428 | 2-mm-thick cement-based coating of concrete, plaster and similar other structures | m² | 76,98 |
| 15.540.1429 | 3-mm-thick cement-based coating of concrete, plaster and similar other structures | m² | 90,80 |
| | **STEEL DOORS AND WINDOWS:** | | |
| 15.550.1001 | Production and installation of windows and doors with square and rectangular profiles | Kg | 44,89 |
| 15.550.1002 | Production and installation of 1.50-mm-thick, hot-rolled bent sheet metal door frames | Kg | 56,65 |
| 15.550.1003 | Production and installation of 2.00-mm-thick, hot-rolled bent sheet metal door frames | Kg | 56,05 |
| 15.550.1004 | Production and installation of 1.50-mm-thick, plain black bent sheet metal door frames | Kg | 55,85 |
| 15.550.1005 | Production and installation of 2.00-mm-thick, plain black bent sheet metal door frames | Kg | 55,35 |
| | **VARIOUS IRON STRUCTURES** | | |
| 15.550.1201 | Production and installation of individual structures (water tanks and similar other structures) made of various profile irons and metal sheets. | Kg | 44,00 |
| 15.550.1202 | Production and installation of various iron works made of flat bar and profile iron | Kg | 41,95 |
| 15.550.1203 | Production and installation of railings made by welding iron pipes | Kg | 34,78 |
| 15.550.1204 | Production of installation of diamond-shaped sheet metal flooring (on the existing beams, compartments, stairs and carriers) | Kg | 40,01 |
| | **WIRE MESH FENCING WORKS** | | |
| 15.555.1001 | Building fences using hot-dip galvanized panel wires with 50 x 150 mm mesh size, which are 1.00 m high, Ø4.5 mm in diameter, twisted min. twice and coated with electrostatic polyester powder paint (To be applied on a wall with 2.5 m distance between the posts) | m | 157,04 |
| 15.555.1002 | Building fences using hot-dip galvanized panel wires with 50 x 150 mm mesh size, which are 1.20 m high, Ø4.5 mm in diameter, twisted min. twice and coated with electrostatic polyester powder paint (To be applied on a wall with 2.5 m distance between the posts) | m | 185,19 |
| 15.555.1003 | Building fences using hot-dip galvanized panel wires with 50 x 150 mm mesh size, which are 1.50 m high, Ø4.5 mm in diameter, twisted min. three times and coated with electrostatic polyester powder paint (To be applied on a wall with 2.5 m distance between the posts) | m | 211,94 |
| | **MANHOLE COVER AND GRATING** | | |
| 15.560.1001 | Production and installation of pig iron grating, cover and drainage ditch | Kg | 23,25 |
| 15.560.1002 | Supply and installation of glass-fiber-reinforced composite manhole covers (net clearance of the cover shall be min. 600 mm) | Qty | 1.291,25 |
| 15.560.1003 | Supply and installation of reinforced concrete composite manhole covers (net clearance of the cover shall be min. 600 mm) | Qty | 1.078,75 |
| 15.560.1004 | Supply and installation of polymer-based composite manhole covers with steel reinforcement (net clearance of the cover shall be min. 600 mm) | Qty | 1.153,75 |
| | **GARDENING AND LANDSCAPING WORKS** | | |

15.100.-Construction Unit Prices and Definitions List

| Item No | Description | UoM | Unit Price (TRY) |
|---|---|---|---|
| 15.560.2001 | Manual laying of the excavated soil with approximately 30 cm height (for gardening and landscaping works) | m³ | 24,38 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# MECHANICAL INSTALLATION WORKS

2022/3

# GENERAL PROVISIONS AND EXPLANATIONS FOR MECHANICAL INSTALLATIONS

1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.

2- In case there are printer's and material errors in Unit Prices, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on www.csb.gov.tr or directly on https://yfk.csb.gov.tr/.

3- In case of a later change in the unit price standards applied, the latest versions of the standards in effect shall apply. Furthermore, they have to be supplied to the market securely in compliance with the applicable legislation.

4- General Technical Specifications published by the Ministry of Environment and Urbanism shall be complementary to such unit prices and their definitions.

5- The unit prices including installation and installation fees given in the list include the Contractor's 25% profit and overheads.

6- The materials and devices in the Unit Price Lists, for which no payment shall be made for the materials on construction site shall be listed by the relevant administrations.

7- The rates of the materials on construction site as specified in the Unit Prices Lists are percentages of unit prices including installation. The price of the materials on construction site shall be subject to tax discount.

8- For the materials and products with the names, classes and types listed below, which will be used in the contracted tasks:

   8.1. It shall be compulsory to present a Certificate of Compliance with the Turkish Standards for any material, for which the Unit Price Definition does not include a TSE number but there is a Turkish Standard is published.

   8.2. Documents that certify quality and compliance with the principles provided herein as well as international or foreign standards, and technical or special specifications shall be required for the items for which a Turkish Standard is not available.

   8.3. Any document mentioned in the items (8.1), (8.2) should be issued by authorized bodies.

9- The "Directive on the Protection of Buildings from Fire" and the "Construction Materials Directive" in effect shall be followed in selection, application, and commissioning of any installation equipment.

10- For pump equipment,

   The "Communiqué on Environmentally Sensitive Design Requirements for Standalone or Integrated Glandless Recirculating Pumps" published in the Official Gazette no. 28063 dated 23 September 2011,

   The "Communiqué on Environmentally Sensitive Design Requirements for Electric Motors" published in the Official Gazette no. 28197 dated 7 February 2012, and

The "Communiqué on the Designation, Nominal Operating Point and Dimensions of End-suction Centrifugal Pumps (Nominal Pressure: 16 bars)" published in the Official Gazette no. 28508 dated 25 December 2012,

published by the Ministry of Science, Industry and Technology shall be followed.

11- As per the regulation on energy performance in buildings:

"a) If liquid-fuel, forced blowing burners are used burners with the following specifications:

1) For the systems with up to 100 kW heating capacity, single-stage burners with servo-controlled air suction damper, or two-stage or proportional-control burners,

2) For the systems with 100 to 1200-kW heating capacity, two-stage or proportional-control burners, and for the systems with min. 1200-kW capacity, only proportional-control burners,

3) For the systems above 3000 kW, burners with flue gas oxygen control system shall be used.

b) If gas-fueled, forced blowing burners are used:

1) For the systems with up to 100 kW heating capacity, single-stage burners with servo-controlled air suction damper, or two-stage or proportional-control burners,

2) For the systems with 100 to 600-kW heating capacity, two-stage or proportional-control burners, and for the systems with min. 600-kW capacity, only proportional-control burners,

3) For the systems above 3000 kW, burners with flue gas oxygen control system

shall be used."

12- The values listed herein are VAT exclusive.

(Effective 01 July 2022.)

## SHEET METAL THICKNESS CHARTS ADVISED FOR MODULAR WATER TANKS

### FOR STAINLESS TANKS

| DISTANCE FROM THE TOP ELEVATION OF THE MODULE | MINIMUM SHEET THICKNESS mm |
|---|---|
| | SIDE-BOTTOM SHEET |
| 0 - 1.1 m | 1.5 |
| 1.1 - 2.2 m | 2 |
| 2.2 - 3.3 m | 2.5 |
| 3.3 - 4.4 m | 3 |
| 4.4 - 5.5 m | 4 |

### FOR GALVANIZED TANKS

| DISTANCE FROM THE TOP ELEVATION OF THE MODULE | MINIMUM SHEET THICKNESS (mm) |
|---|---|
| | SIDE-BOTTOM SHEET |
| 0 - 1.1 m | 1.5 |
| 1.1 - 2.2 m | 2 |
| 2.2 - 3.3 m | 3 |
| 3.3 - 4.4 m | 4 |
| 4.4 - 5.5 m | 5 |

The bottom point of the module shall be taken as basis for measuring the distance.

The top sheet thickness of the tanks shall not be less than the sheet thickness of the side wall.

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# PLUMBING SYSTEM
# UNIT PRICES AND DEFINITIONS

2022/3

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.100.1000** | **WASHBASINS**<br>Supply to the work site and installation of white washbasins of the types and dimensions given below with or without fixed soap dishes, including fittings. Washbasins shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking.<br>Note: If colored glazed ceramic is used, prices with installation shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| 25.100.1001 | 25x40 cm, threaded | 309,33 | 56,88 |
| 25.100.1002 | 28x35 cm, threaded. | 270,96 | 56,88 |
| 25.100.1003 | 28x45 cm, threaded. | 309,33 | 56,88 |
| 25.100.1004 | 35x45 cm, corner type, threaded | 445,45 | 56,88 |
| 25.100.1005 | 35x45 cm, threaded | 293,24 | 56,88 |
| 25.100.1006 | Under-counter or over-counter oval washbasin, 36 x 44 cm | 438,03 | 56,88 |
| 25.100.1007 | 37 x 45 cm Set with Semi-pedestal, console | 586,53 | 56,88 |
| 25.100.1008 | 41x50 cm set with semi-pedestals, threaded | 566,73 | 56,88 |
| 25.100.1009 | 40x50 cm threaded | 363,78 | 56,88 |
| 25.100.1010 | 40x50 cm Under-counter or over-counter oval washbasin | 450,40 | 56,88 |
| 25.100.1011 | 45x45 cm, corner type, threaded | 465,25 | 56,88 |
| 25.100.1012 | 45x55 cm Set with Semi-pedestals | 663,25 | 56,88 |
| 25.100.1013 | 45x55 cm, threaded | 413,28 | 56,88 |
| 25.100.1014 | Under-counter or over-counter oval washbasin, 45x55 cm | 507,33 | 56,88 |
| 25.100.1015 | Under-counter or over-counter oval washbasin, 45x60 cm | 559,30 | 56,88 |
| 25.100.1016 | 45 x 60 cm Set with Semi-pedestals | 794,43 | 56,88 |
| 25.100.1017 | 45x60 cm, threaded | 519,70 | 56,88 |
| 25.100.1018 | 50 x 60 cm Set with Pedestals | 695,43 | 56,88 |
| 25.100.1019 | 50x60 cm Physically Handicapped Washbasin (The washbasin should be min. 43 cm, max. 49 cm deep.) | 834,03 | 56,88 |
| 25.100.1020 | 50 x 60 cm Set with Semi-pedestals | 725,13 | 56,88 |
| 25.100.1021 | 50x60 cm threaded | 465,25 | 56,88 |
| 25.100.1022 | 50 x 65 cm Set with Pedestals | 861,25 | 56,88 |
| 25.100.1023 | Under-counter or over-counter oval washbasin, 50x65 cm | 774,63 | 56,88 |
| 25.100.1024 | 50 x 65 cm Set with Semi-pedestals | 910,75 | 56,88 |
| 25.100.1025 | 50x65 cm, threaded | 670,68 | 56,88 |
| 25.100.1026 | 50 x 70 cm Set with Complete Pedestals | 1.041,93 | 56,88 |
| 25.100.1027 | 50 x 80 cm Set with Semi-pedestals | 1.257,25 | 56,88 |
| 25.100.1028 | 50 x 85 cm Set with Complete Pedestals | 1.502,28 | 56,88 |
| **25.100.2000** | **ANTIBACTERIAL WASHBASINS**<br>The washbasins shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.102.1000** | **WASHBASIN INSTALLATION: (Unit: Set)**<br>Supply to the work site with a sink siphon and sewer pipe connection adapter, and installation and delivery in working order of brass-chromized or plastic-based (acetal copolymer) washbasin installation sized to comply with TS-EN 274-1-2-3, certified for quality, resistant to min. 80°C and acids for use with the washbasins given in the item 25.100.1000, with a 15-mm tap and rosette or faucet certified for compliance with TS-EN 274-1-2-3, a 6-cm odor closure, a min. 16-cm extension, brass-chromized or hard plastic rosette, which can be removed and cleaned, and tightened by a 32-mm wrench. (Drain pipe is not included in the price). | | |
| **25.102.1100** | **With a long tap and siphon without brass controls:** | | |
| 25.102.1101 | First class: (Tap: TS EN 200, Siphon: TS-EN 274-1-2-3) | 377,19 | 43,06 |
| **25.102.1200** | **With wall-mount faucet (in compliance with TS EN 200 or TS EN 817) and siphon without brass controls:** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.102.1201 | First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3) | 614,00 | 67,44 |
| **25.102.1300** | **With a wall-mount faucet (including deck-mount brass chromized angle valves and connection pipes) and siphon without brass controls** | | |
| 25.102.1301 | First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3) | 729,50 | 67,44 |
| **25.102.1400** | **With a long tap (in compliance with TS EN 200 or TS EN 817) a special plastic bowl and a siphon without controls:** | | |
| 25.102.1401 | First class: (Tap: TS EN 200, Siphon: TS-EN 274-1-2-3) | 329,38 | 67,44 |
| **25.102.1500** | **With a wall-mount faucet (in compliance with TS EN 200 or TS EN 817), a special plastic bowl and a siphon without controls:** | | |
| 25.102.1501 | First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3) | 494,38 | 67,44 |
| **25.102.1600** | **With a wall-mount faucet (including deck-mount brass chromized angle valves and connection pipes), a special rubber bowl and siphon without controls:** | | |
| 25.102.1601 | First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3) | 614,00 | 67,44 |
| **25.102.1700** | **With a wall-mount faucet (including deck-mount brass chromized angle valves and connection pipes) and siphon with brass controls:** | | |
| 25.102.1701 | First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3) | 896,56 | 67,44 |
| **25.104.1000** | **MIRRORS: Unit: Qty. (TS EN 1036)**<br>5-mm glass thickness, ground edges, and with beveled stripes, if any. Wall attachment screws shall be brass with min. 5-micron nickel plating or stainless steel. Installation on a wall with braces, screws and dowel pins. Mirrors shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | | |
| 25.104.1001 | Approximately 40 x 50 cm | 195,96 | 38,19 |
| 25.104.1002 | Approximately 40 x 60 cm | 287,75 | 38,19 |
| 25.104.1003 | **Approximately 50x70-cm, accessible mirror**<br>Supply and installation of adjustable-tilt, accessible mirrors with 304-quality stainless steel frame. | 556,13 | 48,75 |
| **25.106.1000** | **ETAGERES (Unit: Qty. Materials on construction site: 60%)**<br>Supply to the work site and installation of a white etagere with integrated console and of the type and dimensions specified below, along with its special wedge or installation components. Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| **25.106.1100** | **Glazed ceramic** | | |
| 25.106.1101 | Approximately 50 x 10 cm Extra class | 159,71 | 38,19 |
| 25.106.1102 | Approximately 60 x 15 cm Extra Class | 175,55 | 38,19 |
| 25.106.1103 | Approximately 50 x 15 cm Extra Class | 142,88 | 38,19 |
| 25.106.1104 | Approximately 68 x 15 cm Extra Class | 205,25 | 38,19 |
| **25.106.2100** | **ANTIBACTERIAL ETAGERES (Unit: Qty. Materials on construction site: 60%) (TS 13420)**<br>The etageres in the item 25.106.1100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.108.1000** | **PANS: (Unit: Qty., Materials on construction site: 60%) (TS 799)**<br>Supply to the work site and installation with fittings of a white, squat toilet pan; a monobloc squat toilet flush made of ø 100-mm PVC, resistant to 80°C of temperature and acids, equipped with a 6-cm odor closure and in compliance with TS-EN 274-1-2-3: certified for compliance with (TS 799a). Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| **25.108.1100** | **Glazed ceramic** | | |
| 25.108.1101 | With plastic siphon, approximately 50 x 60 cm, Extra Class | 611,36 | 158,44 |
| 25.108.1102 | With plastic siphon, approximately 60 x 60 cm, Extra Class | 616,31 | 158,44 |
| **25.108.2100** | **ANTIBACTERIAL PANS: (Unit: Qty. Materials on construction site: 60%) (TS 13420)**<br>The pans in the item 25.108.1100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.110.1000** | **INSTALLATION: (Unit: Set, Materials on construction site: 60%)**<br>Delivery in working order including angle valves and all connections for long tap and reservoir connections for use with the toilet pans specified in the item 25.108.1000. | | |
| 25.110.1002 | **Plastic reservoir:**<br>Reservoir made of plastic | 545,66 | 97,50 |
| 25.110.1003 | **With pressurized toilet washer**<br>Supply and installation of Ø20-mm brass-chromized, die-cast, pressurized toilet washers in compliance with TS-366 and awarded with a quality certificate for washing toilets, etc. by connection to the utility water pipe. | 717,90 | 126,75 |
| **25.112.1100** | **FLUSH TOILET WITH BUILT-IN RESERVOIR AND INSTALLATION (TS EN 997+A1) (Unit: Set)**<br>Supply to the work site, installation and delivery in working order of white (glazed) ceramic flush toilets with sufficient spacing for installation of a reservoir, with min. 13-L ceramic bowl, fully hard plastic reservoir, 15-L brass-chromized seat and cover, complete with copper pipes for utility water connection of the reservoir and bidet nozzle, rosettes and chrome-plated set screws and fixing blocks. Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| 25.112.1101 | Approximately 35 x 55 cm (Extra-quality) | 2.658,86 | 97,50 |
| 25.112.1102 | Approximately 37 x 77 cm (Extra-quality) | 2.743,01 | 97,50 |
| 25.112.1103 | Approximately 35 x 70 cm for the physically handicapped Extra-quality. (The toilet seat shall be 43 to 48 cm high from the floor) | 3.544,91 | 97,50 |
| 25.112.1104 | Back-to-wall, Approximately 65 x 35 cm (Extra-quality) | 3.247,91 | 97,50 |
| **25.112.1200** | **FLUSH TOILET AND INSTALLATION WITH WATER-SAVING BUILT-IN RESERVOIR (TS EN 997+A1) (Unit: Set, Materials on construction site: 60%)**<br>Supply to the work site, installation and delivery in working order of white (glazed) ceramic flush toilets that can be fully washed by 4 L and with sufficient spacing for installation of a reservoir, with bowl, fully hard plastic reservoir, brass-chromized seat and cover, complete with pipes for utility water connection of the reservoir and plastic bidet nozzle, rosettes and chrome-plated set screws and fixing blocks.<br>Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. The products shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | | |
| 25.112.1201 | Approximately 35 x 55 cm (Extra-quality) | 3.062,29 | 97,50 |
| 25.112.1202 | Approximately 37 x 77 cm (Extra-quality) | 3.153,86 | 97,50 |
| 25.112.1203 | Approximately 35 x 70 cm for the physically handicapped Extra-quality. (The toilet seat shall be 43 to 48 cm high from the floor) | 3.272,66 | 97,50 |
| 25.112.1204 | Back-to-wall, Approximately 65 x 35 cm (Extra-quality) | 3.293,29 | 118,13 |
| 25.112.1250 | **Flush Toilet With Reservoir for Use by Minors and Its Installation**<br>Supply, installation and delivery in working order of white or colored glazed ceramic closet sized approximately 30 x 55 x 30 cm, in compliance with TS EN 997+A1, certified for quality, performs a full wash with min. 4 L of water and allowing installation of a glazed ceramic reservoir, with hard plastic seat, brass-chromized reservoir and bidet utility water valves, reservoir internal installation with a discharge group controlled by a graded flush button and a filling group with water inlet at the bottom, complete with a plastic bidet tube, rosettes and toilet installation kit. (Closet shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking) | 3.965,66 | 97,50 |
| 25.112.1260 | **Squat Toilet Set with Flush-mounted Reservoir**<br>Supply to the work site and installation with fittings of a white, squat toilet pan; a monobloc squat toilet flush made of Ø100-mm PVC, resistant to 80°C temperature and acids, equipped with a 6-cm odor closure and in compliance with TS-EN 274-1-2-3; a tap complying with TS EN 200 and surface standards of TS EN 248, which was made of raw materials that comply with the standards EN12164 and TS EN 12165; and a reservoir made of plastic and stainless steel components, installed within the wall and complying with TS EN 14055+A1 and TS EN 10088-1/2/3. The products shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | 2.111,44 | 195,00 |
| 25.112.1270 | **Flush Toilet Set with Flush-mounted Reservoir** | 2.845,96 | 214,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Supply to the work site and installation of a wall-hung, white, glazed ceramic, extra class flush toilet (in compliance with TS EN 997+A1); Duroplast hard plastic seat and cover made of raw materials in compliance with TS EN 12164 and TS EN 12165; with classic or ceramic seal made of TS EN 248 surface standards and TS 15 EN 1213 including a built-in intermediate stop valve and rosette; and a flush-mounted reservoir with plastic and stainless steel components in compliance with TS EN 14055+A1 and TS EN 10088-1. The products shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | | |
| **25.112.2000** | **ANTIBACTERIAL CLOSET AND ITS INSTALLATION (Unit: Qty. Materials on construction site: 60%) (TS 13420)**<br>The flush toilet pans in the items 25.112.1101-1103-1104 and 1200 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.114.1000** | **URINAL AND ITS INSTALLATION: (Unit: Set; Materials on construction site: 60%) (TS EN 13407)**<br>Supply, installation and delivery in working order of beaked urinals made of white glazed ceramic certified for compliance with TS EN 13407, with 32-mm washing holes at the back or top, 50-mm drainage, plastic drainage siphon discharging from the bottom or back, complete with washing taps, pipes, rosettes and installation screws. Note: If colored materials other than white are used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. The urinals shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | | |
| **25.114.1100** | **Normal type:** | | |
| 25.114.1101 | With brass siphon, approximately 30 x 25 x 40 cm Extra class | 1.615,76 | 147,06 |
| 25.114.1102 | With brass siphon, approximately 35 x 40 x 50 cm Extra class | 1.632,26 | 147,06 |
| 25.114.1103 | With special plastic bowl, approximately 30 x 25 x 40 cm Extra class | 1.406,84 | 147,06 |
| 25.114.1104 | With special plastic bowl, approximately 35 x 40 x 50 cm Extra class | 1.423,34 | 147,06 |
| 25.114.1150 | **Urinal With Built-In Siphon**<br>Supply, installation and delivery in working order of a white glazed ceramic, beaked urinal sized approximately 35 x 35 x 55 cm, certified for quality and compliance with TS EN 13407, equipped with 32 mm washing holes at the back or top, built-in siphon (odor closure) and 50 mm water drain complete with an extension part to the wall and a rosette, a urinal washing tap, pipe and rosette, and an installation kit. (The urinals shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking) | 1.549,21 | 147,06 |
| **25.114.2000** | **ANTIBACTERIAL CLOSET AND ITS INSTALLATION (Unit: Qty. Materials on construction site: 60%) (TS 13420)**<br>The urinals in the item 25.114.1100-1150 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.114.3000** | **URINAL PARTITIONS: (Unit: Qty., Materials on construction site: 40%)** | | |
| **25.114.3100** | **Glazed ceramic** | | |
| 25.114.3101 | Approximately 40 x 50 cm Extra. | 440,50 | 56,88 |
| **25.114.4000** | **ANTIBACTERIAL URINAL PARTITIONS (Unit: Qty. Materials on construction site: 60%) (TS 13420)**<br>The urinal partitions in the item 25.114.3100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.118.1000** | **SINKS: (Unit: Qty., Materials on construction site: 60%) (TS EN 13310)**<br>The sinks shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | | |
| **25.118.1100** | **Single-bowl sink without drainboard** | | |
| 25.118.1101 | Stainless steel, approximately 50 x 50 x 15 cm | 446,94 | 76,38 |
| 25.118.1102 | Stainless steel, approximately 50 x 60 x 22 cm | 485,44 | 76,38 |
| **25.118.1200** | **Single-bowl sink with drainboard**<br>Supply to the work site and installation on a counter of a single-bowl, white sink with built-in drainboard; | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.118.1201 | Stainless steel, approximately 50 x 100 cm | 557,63 | 76,38 |
| **25.118.1300** | **Two-bowl sink without drainboard**<br>Supply to the work site and installation on a console or counter of a two-bowl, white sink without drainboard in compliance with TS-EN 13310. | | |
| 25.118.1301 | Stainless steel, approximately 50 x 95 cm | 913,75 | 76,38 |
| **25.118.1400** | **Two-bowl sink with a drainboard: (TS EN 13310)**<br>Supply to the work site and installation on a console or counter of an extra-quality, two-bowl, white sink with drainboard. | | |
| 25.118.1401 | Stainless steel (Approximately 60 x 140 cm) | 1.125,50 | 76,38 |
| **25.120.1000** | **SINK INSTALLATION: (Unit: Qty., Materials on construction site: 60%)** | | |
| **25.120.1100** | **Single-bowl sink installation:**<br>Supply to the work site, installation and delivery in working order, for use with the single-bowl sinks specified in the items 25.118.1100-1200, of a 15-mm brass chromized or plastic-based (acetal copolymer) faucet with rotating or fixed pipes certified for compliance with TS EN 200 or TS EN 817; a brass chromized or hard plastic-based sink siphon with 6-cm odor closure, extension to the wall and rosette, an 32-mm strainer that is sized to comply with TS-EN 274-1-2-3, resistant to min. 80°C and can be removed and cleaned, complete with a bakelite plug, chromized chain and handle (drain pipe shall not be included in the price, and the faucet and its siphon shall be certified for compliance with Turkish Standards). | | |
| 25.120.1101 | In compliance with TS-EN 274-1-2-3 (First class) with a faucet, and brass siphon in compliance with TS EN 200 or TS EN 817 (First class) | 996,93 | 86,13 |
| 25.120.1102 | With a faucet and siphon, and a special plastic bowl (First class) | 805,11 | 86,13 |
| 25.120.1103 | With a long tap in compliance with TS EN 200 and brass siphon in compliance with TS-EN 274-1-2-3 (First class) | 415,40 | 52,81 |
| 25.120.1104 | With a long tap in compliance with TS EN 200 and plastic siphon (First class) | 223,59 | 52,81 |
| **25.120.1200** | **Double-bowl sink installation:**<br>For use with the sinks described in the items 25.118.1300-1400. The specifications shall be as described in the item 25.120.1100 except that the 15-mm brass chromized faucet in compliance with TS EN 200, and the siphon, plug, chain and handle shall be in pairs. | | |
| 25.120.1201 | With a faucet and brass siphon (Siphon shall comply with TS-EN 274-1-2-3) (First class) | 996,93 | 86,13 |
| 25.120.1202 | With a faucet and siphon, and a special plastic bowl (First class) | 805,11 | 86,13 |
| **25.125.1000** | **BATHROOMS: (Materials on construction site: 60%)** | | |
| **25.125.1100** | **Acrylic Bathtubs (Unit: Qty., Materials on construction site: 60%)**<br>Supply and installation of bathtubs made of cast acrylic sheets in compliance with TS.EN 263 and manufactured as per TS EN 198, complete with an overflow siphon and drain pipe in compliance with TS EN 274-1/2/3 and connections sized per TS EN 232. (The unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged for the colored ones.) | | |
| 25.125.1101 | White, acrylic, alcove bathtub, 70 x 150 x 40 cm | 2.930,31 | 166,56 |
| 25.125.1102 | White, acrylic, alcove bathtub, 70 x 160 x 40 cm | 3.095,31 | 166,56 |
| 25.125.1103 | White, acrylic, alcove bathtub, 70 x 170 x 40 cm | 3.219,06 | 166,56 |
| 25.125.1104 | White , acrylic, alcove bathtub , 75 x 150 x 40 cm | 3.404,69 | 166,56 |
| 25.125.1105 | White, acrylic, alcove bathtub, 75 x 170 x 40 cm | 3.734,69 | 166,56 |
| 25.125.1106 | Acrylic, seated bathtub, white, 75 x 105 x 30 cm | 2.394,06 | 166,56 |
| 25.125.1107 | Acrylic, seated bathtub, white, 75 x 120 x 30 cm | 2.682,81 | 166,56 |
| 25.125.1108 | Acrylic, seated bathtub, white, 75 x 130 x 30 cm | 2.785,94 | 166,56 |
| **25.125.1200** | **Panels for Acrylic Bathtub : (Unit: Qty., Materials: 60%)**<br>Made of cast acrylic sheets manufactured in compliance with TS EN 263 (The unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged for the colored ones.) | | |
| 25.125.1201 | Acrylic front panel (For seated bathtubs), 105 cm, white | 606,13 | 43,06 |
| 25.125.1202 | Acrylic front panel (For seated bathtubs), 120 cm, white | 725,75 | 43,06 |
| 25.125.1203 | Acrylic front panel (For seated bathtubs), 130 cm, white | 773,19 | 43,06 |
| 25.125.1204 | Acrylic front panel (For alcove bathtubs), 140 cm, white | 684,50 | 43,06 |
| 25.125.1205 | Acrylic side panel (For alcove bathtubs), 150 cm, white | 851,56 | 43,06 |

25.100.-Plumbing System

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.125.1206 | Acrylic side panel (For alcove bathtubs), 160 cm, white | 905,19 | 43,06 |
| 25.125.1207 | Acrylic side panel (For alcove bathtubs), 170 cm, white | 934,06 | 43,06 |
| 25.125.1208 | Acrylic front panel (For alcove bathtubs), 180 cm, white | 965,00 | 43,06 |
| 25.125.1209 | Acrylic side panel (For alcove bathtubs), 70 cm, white | 457,63 | 43,06 |
| 25.125.1210 | Acrylic side panel (For alcove bathtubs), 75 cm, white | 500,94 | 43,06 |
| 25.125.1211 | Acrylic side panel (For seated bathtubs), 75 cm, white | 500,94 | 43,06 |
| **25.125.1300** | **Foot Set for Acrylic Bathtubs: (Unit: Set Materials on construction site: not available)**<br>The kit required for a bathtub, including galvanic-plated tube feet, plastic shoes, suspender set for wall mounting, attachment screws and dowel pins. | | |
| 25.125.1301 | Foot set (For seated bathtubs) | 307,50 | 33,19 |
| 25.125.1302 | Foo set (For alcove bathtubs) | 441,56 | 33,19 |
| **25.125.2000** | **SHOWER TRAY: (Unit: Qty., Materials on construction site: 60%)**<br>Supply and installation of white shower tray flush-mounted in the floor with 32-mm brass chromized strainer, drain hole and special siphon. Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| **25.125.2100** | **Glazed ceramic shower tray; (TS EN 14527) extra quality.**<br>The glazed ceramic shower trays shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. | | |
| 25.125.2101 | Approximately 80 x 80 x 10 cm | 1.501,44 | 109,25 |
| **25.125.2200** | **Acrylic Monobloc Shower Trays: (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and installation of shower trays made of cast acrylic sheets in compliance with TS EN 263 with connections sized per TS EN 251, complete with a special siphon. (The unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged for the colored ones.) | | |
| 25.125.2201 | White, acrylic shower tray. (Monobloc body), 70 x 70 x 11 cm, square | 1.060,06 | 109,25 |
| 25.125.2202 | White, acrylic shower tray. (Monobloc body), 80 x 80 x 11 cm, square | 1.478,75 | 109,25 |
| 25.125.2203 | White, acrylic shower tray. (Monobloc body), 90 x 90 x 11 cm, square | 1.850,00 | 109,25 |
| 25.125.2204 | White, acrylic shower tray. (Monobloc body), 80 x 80 x 11 cm, corner | 1.150,81 | 109,25 |
| 25.125.2205 | White, acrylic shower tray. (Monobloc body), 90 x 90 x 11 cm, corner | 1.540,63 | 109,25 |
| **25.125.2300** | **Acrylic Sheet Shower Trays: (Unit: Qty., Materials on construction site: 60%)**<br>The price of the panels shall not be included in the shower tray. | | |
| 25.125.2301 | Shower tray with white acrylic panels, 70 x 70 x 11 cm, square | 1.128,13 | 109,25 |
| 25.125.2302 | Shower tray with white acrylic panels, 80 x 80 x 11 cm, square | 1.685,00 | 109,25 |
| 25.125.2303 | Shower tray with white acrylic panels, 90 x 90 x 11 cm, square | 1.965,50 | 109,25 |
| 25.125.2304 | Shower tray with white acrylic panels, 100 x 80 x 11 cm, rectangular | 1.687,06 | 109,25 |
| 25.125.2305 | Shower tray with white acrylic panels, 80 x 80 x 14 cm, corner | 1.423,06 | 109,25 |
| 25.125.2306 | Shower tray with white acrylic panels, 90 x 90 x 15 cm, corner | 1.581,88 | 109,25 |
| 25.125.2307 | Shower tray with white acrylic panels, 100 x 100 x 15 cm, corner | 2.140,81 | 109,25 |
| **25.125.2400** | **Panels for Acrylic Shower Tray: (Unit: Qty., Materials on construction site: 60%)**<br>Made of cast acrylic sheets manufactured in compliance with TS EN 263 (The unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged for the colored ones.) | | |
| 25.125.2401 | Acrylic front panel (for square shower trays) 70 cm, white | 221,06 | 21,00 |
| 25.125.2402 | Acrylic front panel (for square shower trays) 80 cm, white | 256,13 | 21,00 |
| 25.125.2403 | Acrylic front panel (for square shower trays) 90 cm, white | 274,69 | 21,00 |
| 25.125.2404 | Acrylic front panel (for rectangular shower trays) 100 cm, white | 303,56 | 21,00 |
| 25.125.2405 | Acrylic side panel (for square shower trays) 70 cm, white | 202,50 | 21,00 |
| 25.125.2406 | Acrylic side panel (for square shower trays) 80 cm, white | 266,44 | 21,00 |
| 25.125.2407 | Acrylic side panel (for square shower trays) 90 cm, white | 291,19 | 21,00 |
| 25.125.2408 | Acrylic side panel (for rectangular shower trays) 80 cm, white | 266,44 | 21,00 |
| 25.125.2409 | Acrylic corner panel (for corner shower trays) 80 cm, white | 303,56 | 21,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.125.2410 | Acrylic corner panel (for corner shower trays) 90 cm, white | 315,94 | 21,00 |
| 25.125.2411 | Acrylic corner panel (for corner shower trays) 100 cm, white | 330,38 | 21,00 |
| **25.125.2500** | **Set with Pedestal for Acrylic Shower Trays (Unit: Set; Materials on construction site: none)**<br>The kit required for a bathtub, including galvanic-plated tube feet, plastic shoes, suspender set for wall mounting, attachment screws and dowel pins in compliance with TS EN 10255+A1. | | |
| 25.125.2501 | Foot set (for square and rectangular shower trays) | 200,33 | 33,19 |
| 25.125.2502 | Foot set (For corner shower trays) | 200,33 | 33,19 |
| **25.125.2503** | **ANTIBACTERIAL SHOWER TRAYS (Unit: Qty. Materials on construction site: 60%) (TS 13420)**<br>The shower trays in the item 25.125.2100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.126.1100** | **Tempered Glass Shower Cabin: (Unit: m²)**<br>Tempered Glass Shower Cabin: (Unit: m²)<br>Based on the approved project, they will be made of 6 mm tempered glass in compliance with TS EN 12150-2, the profiles to be used will be made of anodized aluminum, and the screws will be at least 304 grade stainless steel. Seals will be used in the cabins to prevent leakage and fix the windows to the panel. Silicones to be used in assembly will be antibacterial, colorless and heat resistant. Tempered glasses will be sandblasted according to the details in the project. In the rollers or hinge materials to be used in the cabin, fixed materials will be made of ABS plastic, and friction materials will be made of POM-derived materials. Metal accessories will also be 304 grade stainless steel. | | |
| 25.126.1110 | Corner Type (Square or Rectangle) | 937,50 | 195,00 |
| 25.126.1120 | Facade Type | 916,88 | 195,00 |
| 25.126.1130 | Oval Type | 971,88 | 195,00 |
| **25.127.1000** | **Bathroom installation (Unit: Set) (TS EN 200 or TS EN 817)**<br>Supply and installation of a flush-mounted bathing set with an aluminum shower pipe, chromized pipe clamp, special dowel pins and screws, shower head, brass chromized bathroom faucet in compliance with TS EN 200 and plastic-based (acetal copolymer) complete head and hand-held shower, for use with shower trays and bathtubs. | | |
| 25.127.1001 | Bath faucet complete with a shower pipe and shower head filter; (TS EN 200) First quality. | 795,60 | 105,63 |
| 25.127.1002 | Bath set with flush-mounted head and hand-held shower, hand-held shower, and flush-mounted bath faucet set with back flow valve and bathtub filling nozzles | 1.167,40 | 105,63 |
| 25.127.1003 | Faucet with hand-held shower and holder (in compliance with TS EN 200 or TS EN 817) | 754,49 | 105,63 |
| **25.130.1000** | **TAPS (in compliance with TS EN 200)**<br>Installation of taps in compliance with TSE EN 200 in their designated locations with their rosettes. | | |
| 25.130.1101 | 1/2″ Short tap, including filter rosette. | 103,55 | 12,23 |
| 25.130.1102 | 1/2″ Long tap, including filter rosette. | 152,06 | 12,23 |
| 25.130.1103 | 1/2″ Urinal Tap, including rosettes and angle valve pipe. | 119,15 | 12,23 |
| 25.130.1104 | Counter-top or wall-mounted 1/2″ washbasin - sink faucets with rotating pipe, rosette and aerator. | 264,68 | 12,23 |
| 25.130.1105 | 3/4″ Bath basin tap, including rosette. | 154,54 | 12,23 |
| 25.130.1201 | 1/2″ Angle Valve, including rosette with regular seal. | 92,66 | 12,23 |
| 25.130.1202 | 1/2″ Angle Valve, including rosette with 90-degree ceramic seal. | 124,34 | 12,23 |
| 25.130.1203 | 1/2″ Angle Valve, including rosette with 90-degree ceramic seal. | 197,85 | 12,23 |
| 25.130.1204 | Filter angle valve, including a stainless steel filter and rosette. | 101,08 | 12,23 |
| 25.130.1205 | 1/2″ with regular seal and flush-mounted angle shut-off valve and rosette. | 237,45 | 12,23 |
| 25.130.1207 | 1/2″ with 90-degree ceramic seal and flush-mounted angle shut-off valve and rosette. | 269,63 | 12,23 |
| 25.130.1208 | 3/4″ with regular seal and flush-mounted angle shut-off valve and rosette. | 241,16 | 12,23 |
| 25.130.1209 | 3/4″ ceramic seal shut-off valve and rosette. | 304,28 | 12,23 |
| 25.130.1302 | 1/2″ Chromized Washing Machine Tap, with regular seal, including rosette. | 135,48 | 12,23 |
| 25.130.1303 | 1/2″ Chromized Washing Machine Tap, with 90-degree ceramic seal, including rosette. | 155,90 | 12,35 |
| **25.130.3000** | **SINGLE- OR TWO-CONTROL FAUCETS: (Unit: Qty.; Materials on construction site: 60%)**<br>Brass parts including the body shall be cast, hot forged or rolled by chip removal and made of materials in | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | compliance with the standards TS EN 12164-1,-2-,3 and TS EN 12165; manufactured as per TS EN 248 for surface standard requirements, and TS EN 200, TS EN 274, TS EN 817, TS 3143 for functions and size, one-control mixers manufactured in compliance with TS EN 1759-1, TS EN 1092-1, two-control faucets manufactured in compliance with TS 200; mills, bodies, etc. of the standard seal group used with two-control units machined by chip removal from the raw material complying with TS EN 12164, parts such as seals, O-rings, etc. used in any product made of EPDM or NBR materials; such components as oil, seals, o-rings, etc. used any products certified for compliance with the KTW (KaL Trinken Wasser), WRC (Water Byelaws Scheme, a measure of toxic materials transferred to water from the non-metal parts that it contacts), and DVGW (Deutsche Vereiningung des Gas-und Wasserfaches); the aerators shall be in compliance with the TS EN 246 and certified and marked for compliance with KIWA (Mechanical tests, acoustic tests, and measurement of the changes of color and taste in water) or DVGW; aerator hubs shall be plastic, flexible connection tubes shall be made of stainless steel wire mesh exterior and an EPDM internal tube, and awarded any of the certificates and markings of compliance with DVGW, KIWA or SWGW (Mechanical tests, acoustic tests, and measurement of the changes of color and taste in water). The levers and flywheels used in any product shall be metallic, and the cartridges used in non-acrylic or non-plastic one-control faucets shall be certified for compliance with NSF (The Public Health and Safety Company) or WRAS (Water Regulations Advisory Scheme) and the products equipped with sensors shall be CE certified. The manufacturer shall have a current certificate of production competence, certificate of service competence, certificate of after-sales competence, ISO 9000 and ISO 14000°Certificates, and certificate of TSE compliance. Note: If mixers undergo PVD (Physical Vapor Deposition), installed prices shall be raised by 25 percent, and the installation fees shall remain unchanged. | | |
| **25.130.3100** | **Sink Faucets:** | | |
| 25.130.3101 | **Single-control, single-body faucet for sink:**<br>With rotating extension tip, heat and flow rate limiter cartridge that saves energy and water, non-scaling aerator. | 740,61 | 52,56 |
| 25.130.3102 | **Single-control, wall-mounted sink faucet:**<br>Wall-mounted, with heat and flow rate limiter cartridge that saves energy and water, rotating outlet, non-scaling aerator. | 931,19 | 52,56 |
| 25.130.3103 | **Single-control, single-body faucet for sink with spiral:**<br>Equipped with a heat and flow rate limiter cartridge that saves energy and water, rotating outlet, non-scaling aerator, a washing range of 100 cm in circumference, two-function flexible hand-held shower, and awarded any of KTW and NSF certificates. | 1.260,36 | 52,56 |
| 25.130.3104 | **Single-control, single-body faucet for industrial kitchen:**<br>Non-scaling, dual-function, hand-held shower with or without an extending tip in the middle, with a heat and flow rate saver cartridge that saves energy and water, and a rotating outlet. Where an extending tip is available, unit prices including installation shall be raised by 5 percent. | 2.577,06 | 52,56 |
| 25.130.3105 | **Single-control, wall-mounted industrial kitchen faucet:**<br>Energy- and water-saving with heat and flow rate limiter cartridge, rotating outlet, non-scaling aerator, dual-function flexible hand shower, and check valves that prevent reverse flow of hot and cold water, | 3.072,06 | 52,56 |
| 25.130.3106 | Two-control, single-body faucet for industrial kitchen: | 1.908,81 | 52,56 |
| 25.130.3107 | **Two-control, wall-mounted sink faucet:**<br>Wall-mounted with ceramic seal, rotating extension tip, and non-scaling aerator. | 743,09 | 52,56 |
| **25.130.3200** | **Washbasin Faucet;** | | |
| 25.130.3201 | **Single-control, single-body faucet for washbasins**<br>With heat and flow rate limiter cartridge that saves energy and water, and non-scaling aerator. | 1.022,76 | 52,56 |
| 25.130.3202 | **Washbasin faucet with a single elevated control and single body (for bowl washbasins):**<br>With heat and flow rate limiter cartridge that saves energy and water, and non-scaling aerator, including a complete metal siphon. | 1.567,26 | 52,56 |
| 25.130.3203 | Hair salon type, rotating faucet, die-cast (Complete set including an angle valve with two spiral filters) | 1.205,91 | 52,56 |
| 25.130.3204 | **Two-control, single-body faucet for washbasins:**<br>With ceramic seal and non-scaling aerator. | 1.166,31 | 52,56 |
| 25.130.3206 | **Two-control, wall-mounted washbasin faucet, flush-mounted:**<br>With a ceramic seal or rubber back flow valve, and non-scaling aerator. | 936,14 | 52,56 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.130.3208 | **Single-control, single-body medical faucet for washbasins:**<br>Equipped with a heat and flow limiter cartridge that saves energy and water, a special hygienic aerator with laminar flow, and a special extended handle. | 1.240,56 | 52,56 |
| 25.130.3209 | **Single-control, wall-mounted medical faucet for washbasins:**<br>Equipped with a rotating extension tip, a special hygienic aerator with laminar flow and a special extended handle. | 1.309,86 | 52,56 |
| **25.130.3300** | **Bath and Shower Faucets;** | | |
| 25.130.3301 | **Single-control bathroom faucet:**<br>With 1/2″ shower outlet, heat and flow rate limiter cartridge that saves energy and water, non-scaling aerator, and automatic deflector. | 926,24 | 52,56 |
| 25.130.3302 | **Single-control shower faucet:**<br>With 1/2″ shower outlet, and heat and flow rate limiter cartridge that saves energy and water. | 795,06 | 52,56 |
| 25.130.3303 | **Single-control, wall-mounted bathroom faucet, flush-mounted:**<br>Energy- and water-efficient with a 1/2″ shower outlet, a deflector group on the outlet tip set, a cartridge with heat and water flow limiter, an anti-scale aerator, and an automatic deflector. The product shall be compatible with plastic and galvanized pipes within a plastic housing, and allow easy removal without breaking the tiles in case of a malfunction. | 1.230,66 | 52,56 |
| 25.130.3304 | **Single-control, wall-mounted shower faucet, (flush-mounted):**<br>Energy- and water-efficient, a cartridge with heat and water flow limiter. The product shall be compatible with plastic and galvanized pipes within a plastic housing, and allow easy removal without breaking the tiles in case of a malfunction. | 869,31 | 52,56 |
| 25.130.3305 | **Two-control, wall-mounted bathroom faucet:**<br>With non-scaling cascaded aerator, ceramic seal, mechanical or automatic deflector. | 1.564,79 | 52,56 |
| 25.130.3306 | Two-control, wall-mounted shower faucet: | 965,84 | 52,56 |
| 25.130.3309 | **Built-In Showerhead (Unit: Qty.) (TSEK certified)**<br>Supply to the work site and installation to the designated location of threaded, impact-resistant, filter shower heads which can be attached to flush-mounted built-in pipes | 381,00 | 12,23 |
| **25.130.4100** | **Washbasin Sensor Faucet and Its Installation (TS EN 15091): (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site, installation and delivery in working order of a sensor faucet including its installation, with single or double water inlets, which can adjust the flow rate by a filter angle valve, can be powered by a battery or a power adapter, allows 60 to 120 seconds of water flow, complete with angle valves and a washbasin siphon with a U-pipe. | | |
| 25.130.4101 | Sensor faucet and installation for washbasin, with two water inlets: | 3.096,81 | 52,56 |
| 25.130.4102 | Sensor faucet and installation for washbasin, with single water inlet: | 2.525,09 | 52,56 |
| **25.130.4200** | **Urinal Sensor Tap (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and installation of a urinal sensor tap with fresh water inlet at the back or top, battery or adapter power unit, complete with a copper pipe for supplying fresh water to the urinal, and necessary fittings. | | |
| 25.130.4201 | Sensor tap for urinal, surface-mounted: | 2.500,34 | 52,56 |
| 25.130.4202 | Sensor tap for urinal, flush-mounted: | 2.676,06 | 52,56 |
| 25.130.4300 | **Thermostatic Bathroom Faucet (TS EN 1111): (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site, installation and deliver in working order of a thermostatic bathroom faucet that maintains the utilit water temperature at a set value between 15 and 65°C, equipped with a safety button at 38°C to prevent scalding, an eco mode button that limits the water flow rate, and a check valve that completely cuts off the water for safety in case of sudde changes in the amount and pressure of hot or cold water. | 1.940,99 | 52,56 |
| 25.130.4410 | **TIME-CONTROL WASHBASIN TAP AND ITS INSTALLATION: (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site, installation and delivery in working order of chromized, time-control washbasin tap and installation with angle valves and U-pipe washbasin siphon and single water inlet, which can be adjusted between 5 and 60 seconds, | 1.072,26 | 52,56 |
| 25.130.4422 | **Time-control tap for urinal, flush-mounted:**<br>Supply to the work site, installation and delivery in working order of time-control, flush-mounted taps compatible with urinals with fresh water inlet at the top or back, and water flow time adjustable between 5 and 60 seconds, | 1.077,21 | 52,56 |
| 25.130.4500 | **Cistern with Flush-mounted Timer Button and Its Installation I: (Unit: Qty.)**<br>Supply to the work site and installation of reservoirs which can be directly connected to the | 738,14 | 52,56 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | plumbing system (piping) and used in Squat Toilet Pans and toilet bowls. | | |
| **25.130.5000** | **Extension Parts: (Processed by chip removal and in compliance with TS 3143.)** | | |
| 25.130.5001 | 1.0 cm extension, chrome-plated (1/2″) | 22,54 | 8,19 |
| 25.130.5002 | 1.5 cm extension, chrome-plated (1/2″) | 26,01 | 8,19 |
| 25.130.5003 | 2.0 cm extension, chrome-plated (1/2″) | 28,85 | 8,19 |
| 25.130.5004 | 2.5 cm extension, chrome-plated (1/2″) | 30,46 | 8,19 |
| 25.130.5005 | 3.0 cm extension, chrome-plated (1/2″) | 33,93 | 8,19 |
| 25.130.5006 | 4.0 cm extension, chrome-plated (1/2″) | 41,10 | 8,19 |
| 25.130.5007 | 5.0 cm extension, chrome-plated (1/2″) | 46,30 | 8,19 |
| **25.130.6000** | **Siphons, for washbasins, sinks and urinals (TS EN 274-1-2-3):** | | |
| 25.130.6001 | Brass, chromated washbasin and sink siphon | 255,94 | 33,19 |
| 25.130.6004 | Plastic siphon for washbasins and sinks (sized to comply with TS-EN 274-1-2-3, resistant to temperatures up to 80°C, and equipped with a 6-cm odor closure); | 64,13 | 33,19 |
| 25.130.6006 | Urinal siphon (with a 6-cm hard plastic odor closure, extension to the wall and a large adapter); | 47,01 | 33,19 |
| 25.130.6007 | Plastic (PVC-based) Ø100 mm (with 6-cm odor closure); | 47,01 | 33,19 |
| 25.130.6008 | Supply and installation of mixer of bathtub waste water piping, with chain, plug, base siphon, overflow siphon, and overflow pipe. | 131,56 | 33,19 |
| **25.130.6010** | **Reservoir** | | |
| 25.130.6011 | Reservoir with hard PVC float valve | 162,00 | 28,35 |
| **25.132.1000** | **LIQUID SOAP / FOAM DISPENSER** | | |
| 25.132.1001 | **Flush-mounted Liquid Soap Foam Dispenser**<br>Supply and flush-mounted installation on the counter of a minimum 1000-ml-volume liquid soap/foam dispenser that can dispense liquid soap or foam with a steel beak and plastic bottle. | 125,42 | 24,60 |
| 25.132.1002 | **Wall-mounted Liquid Soap Foam Dispenser**<br>Supply and wall-mounted installation of a minimum 1000-ml-volume liquid soap/foam dispenser that can dispense liquid soap or foam with a steel beak and plastic bottle. | 135,43 | 24,60 |
| 25.132.1003 | **Wall-mounted Sensor Tap Liquid Soap Dispenser**<br>Supply and wall-mounted installation of a minimum 1000-ml-volume sensor tap, battery or electric-operated liquid soap/foam dispenser that can dispense liquid soap or foam with a steel beak and plastic bottle. | 852,02 | 31,20 |
| **25.135.1000** | **SOAP DISH (SPONGE DISH): (Unit: Qty., Materials on construction site: 60%):** | | |
| **25.135.1100** | **Ceramic soap dish (with tab):**<br>Supply to the work site and installation of extra-quality white ceramic soap dish with a tab and drainboard, which can be half embedded in the wall or surface mounted with ceramic installation components. Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| 25.135.1101 | Approximately 16 x 16 cm | 71,29 | 8,19 |
| 25.135.1102 | Approximately 16 x 31 cm | 97,03 | 8,19 |
| **25.135.1200** | **Ceramic soap dish (without tab):**<br>Supply to the work site and installation of extra-quality white ceramic soap dish with a drainboard, which can be half embedded in the wall or surface mounted with ceramic installation components. Note: If colored glazed ceramic is used, installed prices shall be increased by 15 percent with the installation fee remaining unchanged. | | |
| 25.135.1201 | Approximately 10 x 16 cm | 65,75 | 8,19 |
| 25.135.1202 | Approximately 16 x 16 cm | 71,29 | 8,19 |
| 25.135.1203 | Sponge dish: (with tab) 16 x 31 cm | 99,35 | 8,19 |
| **25.135.2000** | **PAPER DISPENSER: (Unit: Qty., Materials on construction site: 60%).** | | |
| 25.135.2001 | **Ceramic tiles:**<br>Supply to the work site and installation of extra-quality white ceramic paper dispenser, which can be half embedded in the wall or surface mounted with installation components. 16 x 16 cm | 105,08 | 23,75 |
| 25.135.2002 | **Stainless Steel:**<br>Supply to the work site and installation of a stainless steel sheet paper dispenser with chromized set screws and special wedges or dowel pins. | 114,91 | 23,75 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.135.2003 | Paper dispenser for the handicapped | 204,29 | 23,75 |
| **25.135.3000** | **HANGER (Unit: Qty.: Materials on construction site 60%)** | | |
| 25.135.3001 | **Ceramic tiles:**<br>Supply to the work site and installation of an extra-quality, white, flush- or surface-mounted hanger with installation components. Approximately 10 x 16 cm | 71,63 | 15,31 |
| **25.135.4000** | **HANDLE BARS FOR THE HANDICAPPED (Unit: Qty.)** | | |
| 25.135.4001 | **Handle bar for the handicapped:**<br>Chrome-plated stainless steel, approximately 600 mm, min. Ø30 mm (prices in installed form shall be decreased by 10 percent with the installation fee remaining unchanged in case of spray coating instead of chrome plating.) | 683,26 | 71,94 |
| 25.135.4002 | **135° handle bar for the handicapped:**<br>Chrome-plated stainless steel, approximately 375 x 375 mm, min. Ø30 mm (prices in installed form shall be decreased by 10 percent with the installation fee remaining unchanged in case of spray coating instead of chrome plating.) | 759,13 | 72,31 |
| 25.135.4003 | **Flush toilet handle bar for the handicapped:**<br>Chrome-plated stainless steel, approximately 700 x 740 mm, min. Ø30 mm (prices in installed form shall be decreased by 10 percent with the installation fee remaining unchanged in case of spray coating instead of chrome plating.) | 889,06 | 72,31 |
| 25.135.4004 | **Foldable handle bar for the handicapped:**<br>Chrome-plated stainless steel, approximately 800 mm, min. Ø30 mm (prices in installed form shall be decreased by 10 percent with the installation fee remaining unchanged in case of spray coating instead of chrome plating.) | 1.140,69 | 72,31 |
| **25.138.1000** | **FLOOR DRAIN STRAINERS: (in compliance with TS-327) Unit: Qty.**<br>Supply to the work site and installation of a floor drain strainer with built-in odor closure, grating and cleaning plug. | | |
| 25.138.1011 | Pig-cast, 15x15 cm. with Ø50 outlet | 285,94 | 40,50 |
| 25.138.1012 | Pig-cast, 15x15 cm. with Ø70 outlet | 304,50 | 40,50 |
| 25.138.1013 | Pig cast, 20x20 cm. with Ø70 outlet | 318,94 | 40,50 |
| 25.138.1021 | Plastic, 10x10 cm. with Ø50 outlet | 44,41 | 29,25 |
| 25.138.1022 | Plastic, 15x15 cm. with Ø50 outlet | 45,55 | 29,25 |
| 25.138.1023 | Plastic, 15x15 cm. with Ø70 outlet | 54,41 | 29,25 |
| 25.138.1031 | With chrome-plated brass grating and plastic housing, 10x10 cm. with Ø50 outlet | 67,40 | 29,25 |
| 25.138.1032 | With chrome-plated brass grating and plastic housing, 15x15 cm. with Ø70 outlet | 74,41 | 29,25 |
| **25.142.1000** | **WATER METERS: (in compliance with TS EN ISO 4064-1) (Unit: Qty.;**<br>Supply to the work site and installation of water meters with CE compliance marking as per Directive (2004/22/EC) Measuring Instruments. | | |
| **25.142.1100** | **Cold water meters:** | | |
| 25.142.1101 | Ø20 mm (3/4″) Threaded | 253,99 | 43,06 |
| 25.142.1102 | Ø25 mm (1″) Threaded | 578,18 | 72,31 |
| 25.142.1103 | Ø40 mm (1½″) Threaded | 997,59 | 105,63 |
| 25.142.1104 | Ø50 mm Flanged | 1.871,19 | 119,44 |
| 25.142.1105 | Ø80 mm Flanged | 2.296,13 | 133,25 |
| 25.142.1106 | Ø100 mm Flanged | 2.506,56 | 147,06 |
| **25.142.1200** | **Hot water meters:** | | |
| 25.142.1201 | Ø20 mm (3/4″) Threaded | 277,23 | 43,06 |
| 25.142.1202 | Ø25 mm (1″) Threaded | 638,95 | 72,31 |
| 25.142.1203 | Ø40 mm (1½″) Threaded | 1.226,39 | 105,63 |
| **25.144.1000** | **FLOATER (Unit: Qty.: Materials on construction site 60%)**<br>Supply to the work site, installation and delivery in working order of a floater in sphere or open sphere form, hard plastic buoy that does not allow water ingress, brass lever, closer and connection bushes. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.144.1001 | Ø10 mm (3/8″) | 71,21 | 16,88 |
| 25.144.1002 | Ø15 mm (1/2″) | 76,18 | 20,94 |
| 25.144.1003 | Ø20 mm (3/4″) | 84,66 | 25,31 |
| 25.144.1004 | Ø25 mm ( 1″) | 90,86 | 28,13 |
| 25.144.1005 | Ø32 mm (1¼″) | 208,93 | 33,75 |
| 25.144.1006 | Ø40 mm (1½″) | 237,79 | 39,38 |
| 25.144.1007 | Ø50 mm ( 2″) | 268,44 | 45,00 |
| **25.145.1000** | **COLLAR SOCKET (Unit: Qty.: Materials on construction site 60%)**<br>Supply and installation in necessary size for water supply from the water supply network to the installation. | | |
| 25.145.1001 | Max. Ø15-32 mm (1/2″-1¼″) | 107,14 | 69,06 |
| 25.145.1002 | Min. Ø40 mm (1½″) and above | 141,10 | 69,06 |
| **25.150.1000** | **WATER TANKS: (Unit: Qty., Materials on construction site: 40%)** | | |
| **25.150.1200** | **Stainless Steel Prismatic Modular Water Tank: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site, and installation to its designated location and the installation of a fully AISI 304 stainless steel modular water tank certified for compliance with the Turkish Standards, with all internal and external material, tension bars, bolts, pedestals, manhole, air vents and connection nozzles made of non-corrosive materials, taps made of non-corrosive or brass, strength calculations and project designs approved by the administration, all parts factory manufactured by cold forming, bending or twisting, and PVC or polyethylene diaphragm at the bottom to prevent contact with the base material; which shall be assembled by bolts, using silicon and EPDM rubber seals, without any welding in production and at the installation site. Note: Non-corrosive or brass chromized taps on the tank, non-corrosive pedestals, level floater, ball valves of inlets and outlets, blowoff ball valves, air discharge breather device, overflow nozzle and pipe, level indicator, valves and drain tap, top and bottom manhole maintenance covers, and tank climbing ladder are included in the price.<br>- Unit prices for other values shall be interpolated.<br>- Sheet metal thickness table for tanks are available in the Plumbing general descriptions part.<br>- Prior to installation of the tank, concrete or steel bases that are minimum 50 cm high from the floor shall be put in place.<br>- Convex panels with a design that allows discharge of all tank water shall be used, one shall be a concave drainage panel, and base panels shall be bolted from the outside. | | |
| 25.150.1201 | 1.25 m³ | 19.438,75 | 958,75 |
| 25.150.1202 | 2.50 m³ | 28.116,38 | 1.584,38 |
| 25.150.1203 | 3.75 m³ | 37.029,50 | 1.917,50 |
| 25.150.1204 | 5.00 m³ | 45.006,13 | 2.348,13 |
| 25.150.1205 | 6.25 m³ | 52.709,25 | 2.681,25 |
| 25.150.1206 | 7.50 m³ | 58.687,25 | 3.071,25 |
| 25.150.1207 | 10.0 m³ | 65.482,13 | 4.168,13 |
| 25.150.1208 | 12.5 m³ | 80.696,75 | 4.598,75 |
| 25.150.1209 | 15.0 m³ | 88.912,38 | 5.224,38 |
| 25.150.1210 | 20.0 m³ | 103.300,50 | 5.752,50 |
| 25.150.1211 | 22.5 m³ | 109.976,13 | 6.378,13 |
| 25.150.1212 | 25.0 m³ | 128.918,25 | 6.906,25 |
| 25.150.1213 | 30.0 m³ | 136.102,88 | 7.336,88 |
| 25.150.1214 | 37.5 m³ | 157.663,00 | 7.865,00 |
| 25.150.1215 | 40.0 m³ | 166.371,75 | 8.433,75 |
| 25.150.1216 | 45.0 m³ | 187.215,38 | 9.059,38 |
| 25.150.1217 | 50.0 m³ | 197.760,50 | 9.132,50 |
| 25.150.1218 | 56.0 m³ | 229.546,75 | 10.448,75 |
| 25.150.1219 | 59.6 m³ | 237.551,88 | 11.171,88 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.150.1220 | 62.0 m³ | 249.755,63 | 11.935,63 |
| 25.150.1221 | 75.0 m³ | 275.476,88 | 12.796,88 |
| 25.150.1222 | 90.0 m³ | 329.317,50 | 13.617,50 |
| 25.150.1223 | 93.2 m³ | 332.501,25 | 14.381,25 |
| 25.150.1224 | 104.2 m³ | 371.545,00 | 15.145,00 |
| 25.150.1225 | 112.0 m³ | 396.785,63 | 15.965,63 |
| 25.150.1226 | 121.5 m³ | 426.246,88 | 16.826,88 |
| **25.150.1300** | **Galvanized Prismatic Modular Water Tank: (Unit: Qty., Materials on construction site: 80%)**<br>Fully coated with hot-dip galvanized of DIN 1614 quality as per TSE standards, the deep drawn galvanized sheet metal products shall be coated with "Hot-dip Galvanized" materials following the cutting, bending, twisting, drilling, welding and forming. Coating shall be performed as per ISO 1461:2009. No welding shall be performed after galvanization. Supply to the work site, and installation to its designated location and installation of a modular water tank with all interior and exterior materials, tension bars, bolts, pedestals shall be coated with hot-dip galvanized steel. Other specifications shall be the same as the item 25.150.1200.<br>Note: Sheet metal thickness table for tanks are available in the Plumbing general descriptions part. Unit prices for other values shall be interpolated<br>- Prior to installation of the tank, concrete or steel bases that are minimum 50 cm high from the floor shall be put in place.<br>- Convex panels with a design that allows discharge of all tank water shall be used, one shall be a concave drainage panel, and base panels shall be bolted from the outside. | | |
| 25.150.1301 | 1.25 m³ | 11.267,13 | 958,75 |
| 25.150.1302 | 2.50 m³ | 17.241,63 | 1.486,88 |
| 25.150.1303 | 3.75 m³ | 21.899,13 | 1.820,00 |
| 25.150.1304 | 5.00 m³ | 25.462,00 | 2.250,63 |
| 25.150.1305 | 6.25 m³ | 31.064,63 | 2.640,63 |
| 25.150.1306 | 7.50 m³ | 34.366,38 | 2.973,75 |
| 25.150.1307 | 10.0 m³ | 39.957,38 | 4.030,00 |
| 25.150.1308 | 12.5 m³ | 46.161,63 | 4.460,63 |
| 25.150.1309 | 15.0 m³ | 52.533,50 | 4.988,75 |
| 25.150.1310 | 20.0 m³ | 61.309,00 | 5.419,38 |
| 25.150.1311 | 22.5 m³ | 64.735,63 | 5.947,50 |
| 25.150.1312 | 25.0 m³ | 71.872,75 | 6.516,25 |
| 25.150.1313 | 30.0 m³ | 81.404,25 | 7.141,88 |
| 25.150.1314 | 37.5 m³ | 92.003,00 | 7.572,50 |
| 25.150.1315 | 40.0 m³ | 100.061,88 | 8.198,13 |
| 25.150.1316 | 45.0 m³ | 108.934,88 | 8.726,25 |
| 25.150.1317 | 50.0 m³ | 114.276,13 | 9.392,50 |
| 25.150.1318 | 56.0 m³ | 127.715,25 | 10.115,63 |
| 25.150.1319 | 59.6 m³ | 138.090,13 | 10.976,88 |
| 25.150.1320 | 62.0 m³ | 144.937,50 | 11.700,00 |
| 25.150.1321 | 75.0 m³ | 153.816,38 | 12.561,25 |
| 25.150.1322 | 90.0 m³ | 185.271,50 | 13.325,00 |
| 25.150.1323 | 93.2 m³ | 195.601,75 | 14.048,13 |
| 25.150.1324 | 104.2 m³ | 217.800,38 | 14.811,88 |
| 25.150.1325 | 112.0 m³ | 229.460,88 | 15.673,13 |
| 25.150.1326 | 121.5 m³ | 234.784,88 | 16.298,75 |
| **25.150.1400** | **Stainless Steel Modular Water Tank with Cylindrical Bolts: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site, and installation to its designated location and the installation of a fully AISI 304 stainless steel modular water tank certified for compliance with the Turkish | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Standards, with all internal and external material, bolts, pedestals, manhole, air vents and connection nozzles made of non-corrosive materials, taps made of non-corrosive or brass, strength calculations and project designs approved by the administration, all parts factory manufactured by cold forming, bending or twisting, and PVC or polyethylene diaphragm at the bottom to prevent contact with the base material; which shall be assembled by bolts, using silicon and EPDM rubber seals, without any welding at the installation site. Note: Non-corrosive or brass chromized taps on the tank, non-corrosive pedestals, level floater, ball valves of inlets and outlets, blowoff ball valves, air discharge breather device, overflow nozzle and pipe, level indicator, valves and drain tap, top and bottom manhole maintenance covers, and tank climbing ladder are included in the price (Unit prices for other values shall be interpolated).<br>Capacity Diameter Height | | |
| 25.150.1401 | 5.0 m³ Ø 2,500 mm 1,000 mm | 35.718,75 | 958,75 |
| 25.150.1402 | 10 m³ Ø 2,500 mm 2,000 mm | 65.076,38 | 1.584,38 |
| 25.150.1403 | 14 m³ Ø 2,500 mm 2,900 mm | 74.159,25 | 2.681,25 |
| 25.150.1404 | 11 m³ Ø 3,800 mm 1,000 mm | 76.321,50 | 1.917,50 |
| 25.150.1405 | 23 m³ Ø 3,800 mm 2,000 mm | 117.069,00 | 3.835,00 |
| 25.150.1406 | 33 m³ Ø 3,800 mm 2,900 mm | 150.864,63 | 6.280,63 |
| 25.150.1407 | 20 m³ Ø 5,000 mm 1,000 mm | 110.069,88 | 3.501,88 |
| 25.150.1408 | 40 m³ Ø 5,000 mm 2,000 mm | 181.030,38 | 9.254,38 |
| 25.150.1409 | 58 m³ Ø 5,000 mm 2,900 mm | 216.469,25 | 10.351,25 |
| 25.150.1410 | 30 m³ Ø 6,200 mm 1,000 mm | 158.992,13 | 6.378,13 |
| 25.150.1411 | 60 m³ Ø 6,200 mm 2,000 mm | 266.538,75 | 12.658,75 |
| 25.150.1412 | 88 m³ Ø 6,200 mm 2,900 mm | 317.707,50 | 13.227,50 |
| 25.150.1413 | 44 m³ Ø 7500 mm 1,000 mm | 217.902,50 | 9.782,50 |
| 25.150.1414 | 88 m³ Ø 7500 mm 2,000 mm | 335.747,50 | 13.227,50 |
| 25.150.1415 | 128 m³ Ø 7500 mm 2,900 mm | 394.375,00 | 15.535,00 |
| 25.150.1416 | 60 m³ Ø 8,700 mm 1,000 mm | 262.251,25 | 10.351,25 |
| 25.150.1417 | 120 m³ Ø 8,700 mm 2,000 mm | 429.926,88 | 15.006,88 |
| 25.150.1418 | 172 m³ Ø 8,700 mm 2,900 mm | 538.437,50 | 17.257,50 |
| 25.150.1419 | 78 m³ Ø 10,000 mm 1,000 mm | 344.805,00 | 11.505,00 |
| 25.150.1420 | 156 m³ Ø 10,000 mm 2,000 mm | 517.483,75 | 16.103,75 |
| 25.150.1421 | 98 m³ Ø 11,200 mm 1,000 mm | 406.861,25 | 14.381,25 |
| 25.150.1422 | 153 m³ Ø 12,500 mm 1,250 mm | 579.395,00 | 15.535,00 |
| **25.150.1500** | **Galvanized Modular Water Tank with Cylindrical Bolts: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site, and installation to its designated location and the installation of a modular water tank fully coated by hot galvanization using deep-drawn sheet metal of DIN 1614 quality as per TSE standards with all interior and exterior materials, bolts, pedestals shall be coated with hot-dip galvanized steel. Other specifications shall be the same as the item 25.150.1400.<br>Capacity Diameter Height | | |
| 25.150.1501 | 5.0 m³ Ø 2,500 mm 1,000 mm | 19.482,75 | 958,75 |
| 25.150.1502 | 10 m³ Ø 2,500 mm 2,000 mm | 36.796,88 | 1.486,88 |
| 25.150.1503 | 14 m³ Ø 2,500 mm 2,900 mm | 43.843,25 | 2.681,25 |
| 25.150.1504 | 11 m³ Ø 3,800 mm 1,000 mm | 39.361,50 | 1.917,50 |
| 25.150.1505 | 23 m³ Ø 3,800 mm 2,000 mm | 69.109,00 | 3.835,00 |
| 25.150.1506 | 33 m³ Ø 3,800 mm 2,900 mm | 83.104,63 | 6.280,63 |
| 25.150.1507 | 20 m³ Ø 5,000 mm 1,000 mm | 64.916,25 | 2.876,25 |
| 25.150.1508 | 40 m³ Ø 5,000 mm 2,000 mm | 96.644,38 | 7.434,38 |
| 25.150.1509 | 58 m³ Ø 5,000 mm 2,900 mm | 104.944,75 | 8.628,75 |
| 25.150.1510 | 30 m³ Ø 6,200 mm 1,000 mm | 83.465,88 | 5.321,88 |
| 25.150.1511 | 60 m³ Ø 6,200 mm 2,000 mm | 124.132,25 | 10.546,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.150.1512 | 88 m³ Ø 6,200 mm 2,900 mm | 151.918,38 | 11.074,38 |
| 25.150.1513 | 44 m³ Ø 7500 mm 1,000 mm | 103.395,13 | 8.003,13 |
| 25.150.1514 | 88 m³ Ø 7500 mm 2,000 mm | 157.308,38 | 11.074,38 |
| 25.150.1515 | 128 m³ Ø 7500 mm 2,900 mm | 187.231,88 | 12.991,88 |
| 25.150.1516 | 60 m³ Ø 8,700 mm 1,000 mm | 127.010,75 | 8.628,75 |
| 25.150.1517 | 120 m³ Ø 8,700 mm 2,000 mm | 191.235,75 | 12.463,75 |
| 25.150.1518 | 172 m³ Ø 8,700 mm 2,900 mm | 225.207,25 | 14.381,25 |
| 25.150.1519 | 78 m³ Ø 10,000 mm 1,000 mm | 153.049,50 | 9.587,50 |
| 25.150.1520 | 156 m³ Ø 10,000 mm 2,000 mm | 224.424,50 | 13.422,50 |
| 25.150.1521 | 98 m³ Ø 11,200 mm 1,000 mm | 182.838,00 | 11.700,00 |
| 25.150.1522 | 153 m³ Ø 12,500 mm 1,250 mm | 220.121,88 | 12.991,88 |
| **25.150.1600** | **Glass Fiber Reinforced (GRP) Modular Water Tanks (Unit: Qty.: Materials on construction site: 80%)**<br>It shall be made entirely of fully Glass Fiber Reinforced Plastic (GRP) composite materials made by hot pressing under high pressure. The outer reinforcement materials shall be composed of hot-dip galvanized profiles, bolts and nuts. All inner reinforcements, tension bars and shoes shall be made of AISI 316 stainless material, and vertical carriers and interior stairs shall be made of its own body material. The floor, ceiling and side walls constituting the warehouse shall be made of GRP panels or GRP plates with bolt connections. Floor, ceiling and side panels at the installation site shall be joined with silicon and EPDM rubber seals without any welding requirement. It shall be certified for compliance with the TS EN 13280 standard, and awarded a certificate of compliance with the food directive issued by TSE.<br>Note: Inlet and outlet nozzles, blow-off nozzles, manholes and maintenance holes, and ladders to be installed on the tank shall be included in the price. (Unit prices of other values shall be interpolated).<br>- Prior to installation of the tank, concrete or steel bases that are minimum 50 cm high from the floor shall be put in place.<br>- Also, a hot-dip galvanized metal chassis shall be built under the tank. The chassis shall be strong enough to hold the tank ve tolerate the measurement differences arising from the concrete/steel base under it.<br>- Convex panels with a design that allows discharge of all tank water shall be used, one shall be a concave drainage panel, and base panels shall be bolted from the outside. | | |
| 25.150.1601 | 1 m³ | 23.191,38 | 1.389,38 |
| 25.150.1602 | 3 m³ | 38.230,13 | 2.348,13 |
| 25.150.1603 | 5 m³ | 55.906,00 | 4.030,00 |
| 25.150.1604 | 10 m³ | 86.341,50 | 5.557,50 |
| 25.150.1605 | 15 m³ | 93.523,25 | 6.711,25 |
| 25.150.1606 | 20 m³ | 114.888,63 | 8.100,63 |
| 25.150.1607 | 30 m³ | 135.628,63 | 9.920,63 |
| 25.150.1608 | 40 m³ | 162.173,63 | 11.935,63 |
| 25.150.1609 | 50 m³ | 186.999,50 | 13.617,50 |
| 25.150.1610 | 60 m³ | 212.218,00 | 15.340,00 |
| 25.150.1611 | 70 m³ | 240.283,75 | 16.103,75 |
| 25.150.1612 | 80 m³ | 292.477,50 | 17.257,50 |
| 25.150.1613 | 90 m³ | 332.351,25 | 18.411,25 |
| 25.150.1614 | 100 m³ | 359.285,63 | 19.605,63 |
| 25.150.1615 | 120 m³ | 414.785,63 | 21.425,63 |
| 25.150.1616 | 150 m³ | 491.380,63 | 23.440,63 |
| 25.150.1617 | 180 m³ | 551.818,13 | 25.358,13 |
| 25.150.1618 | 200 m³ | 603.622,50 | 28.762,50 |
| 25.150.1619 | 240 m³ | 713.912,50 | 32.792,50 |
| 25.150.1620 | 270 m³ | 812.268,75 | 35.668,75 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.150.1621 | 300 m³ | 923.385,00 | 38.545,00 |
| 25.150.1622 | 350 m³ | 987.075,63 | 42.615,63 |
| 25.150.1623 | 400 m³ | 1.175.836,25 | 45.256,25 |
| 25.150.1624 | 440 m³ | 1.333.073,75 | 47.173,75 |
| 25.150.1625 | 480 m³ | 1.417.076,25 | 48.896,25 |
| **25.150.3100** | **Glass Fiber Reinforced (GRP) Polyester Cylindrical water tanks: (Unit: Qty.)**<br>The tank shall be manufactured using glass fiber reinforced (GRP) polyester, while the body shall have a monoblock (solid) structure consisting of crown and legs. Fittings shall be selected from rust-proof (galvanized, stainless) material. Thanks shall be produced horizontally or vertically, and shall be resistant to impact and earth load. There shall be sufficient compartments inside the tanks. There shall be no equipment crowding on the tank. There must be an inlet, outlet, ventilation sleeve and manhole on the tank. The thanks shall bear a CE marking. | | |
| 25.150.3101 | 1 m³ (with at least 3 mm wall thickness) | 9.154,63 | 217,13 |
| 25.150.3102 | 2 m³ (with at least 4 mm wall thickness) | 12.778,38 | 265,88 |
| 25.150.3103 | 5 m³ (with at least 5 mm wall thickness) | 21.764,63 | 314,63 |
| 25.150.3104 | 8 m³ (with at least 6 mm wall thickness) | 32.828,63 | 653,63 |
| 25.150.3105 | 10 m³ (with at least 7 mm wall thickness) | 38.329,25 | 791,75 |
| 25.150.3106 | 20 m³ (with at least 8 mm wall thickness) | 78.445,99 | 1.583,49 |
| 25.150.3107 | 30 m³ (with at least 8 mm wall thickness) | 111.173,49 | 2.135,99 |
| 25.150.3108 | 40 m³ (with at least 9 mm wall thickness) | 156.652,74 | 2.927,74 |
| 25.150.3109 | 50 m³ (with at least 9 mm wall thickness) | 182.469,48 | 3.719,48 |
| **25.160.0000** | **BOOSTER PUMPS (Unit: Qty.)** | | |
| **25.160.1000** | **FULLY AUTOMATIC BOOSTER PUMP PACKAGE WITH A CENTRIFUGAL PUMP WITH VERTICAL OR HORIZONTAL SHAFT: (Unit: Qty. Materials on construction site: 80%)**<br>Booster pump package with the specifications provided below, equipped with a silt trap, check valve, ball valves for turning on and off, automatic pressure switches (equal to the number of pumps) with upper and lower limits adjustable to the required pressure, a manometer that indicates water pressure, safety against operation without water by a floater with thermal protection against overload or level control electrode, and with switches and indicators located on the housing. Supply to the work site, installation and delivery in fully working order of a fully automatic booster pump that is made up of a Centrifugal Pump with TSE certificate of compliance, and equipped with a vertical or horizontal shaft with different number of steps depending on the capacity, a motor sealed by a mechanical gasket and coupled with the pump with connection flanges directly or by means of a special coupling, and with a 3000-rpm single-phase or 3-phase pump motor that activates individually or jointly depending on the water demand; and of a Pressurized Tank with TSE certificate of compliance, and equipped with a sufficient number of balance tanks made of St. 37-2 materials with an airtight, replaceable membrane in compliance with TS EN ISO 11124-1, 2, 3, 4, with the pump and motor fixed on the same chassis or connected by a connection tube, protected by any necessary means against corrosion, all pipes, collectors and cable connections made and certified for quality per TSE, and with vertical or horizontal shaft. NOTE 1- Minimum switch rate of the pump: 180 times/h for up to 1.1 kW of pump power, and 40 times/h for over 1.1 kW of pump power.<br>2- The capacities given for the booster pumps with multiple pumps are the sum of pump flow rates. | | |
| **25.160.1100** | **Single-pump booster with Vertical-shaft Centrifugal Pump:**<br>Flow rate: m³/h Pressure: mSS | | |
| 25.160.1101 | 0 - 5 20 - 40 | 11.947,00 | 471,25 |
| 25.160.1102 | 0 - 5 40 - 60 | 13.320,94 | 540,31 |
| 25.160.1103 | 0 - 5 60 - 80 | 14.656,69 | 589,06 |
| 25.160.1104 | 5 - 15 20 - 40 | 17.357,23 | 658,13 |
| 25.160.1105 | 5 - 15 40 - 60 | 19.314,20 | 706,88 |
| 25.160.1106 | 5 - 15 60 - 80 | 21.675,39 | 775,94 |
| 25.160.1107 | 15 - 30 20 - 40 | 27.822,81 | 824,69 |
| 25.160.1108 | 15 - 30 40 - 60 | 33.255,75 | 893,75 |
| 25.160.1109 | 15 - 30 60 - 80 | 35.680,50 | 942,50 |
| **25.160.1200** | **Two-pump booster with Vertical-shaft Centrifugal Pump:** | | |

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| | Flow rate: m³/h | Pressure: mSS | | |
| 25.160.1201 | 0 - 10 | 30 - 60 | 21.007,81 | 589,06 |
| 25.160.1202 | 0 - 10 | 60 - 90 | 25.432,13 | 706,88 |
| 25.160.1203 | 10 - 30 | 30 - 60 | 32.504,09 | 765,79 |
| 25.160.1204 | 10 - 30 | 60 - 90 | 40.362,26 | 824,69 |
| 25.160.1205 | 30 - 60 | 30 - 60 | 60.757,31 | 1.060,31 |
| 25.160.1206 | 30 - 60 | 60 - 90 | 81.739,38 | 1.178,13 |
| **25.160.1300** | **Three-pump booster with Vertical-shaft Centrifugal Pump:** | | | |
| | Flow rate: m³/h | Pressure: mSS | | |
| 25.160.1301 | 0 - 20 | 30 - 60 | 34.719,56 | 706,88 |
| 25.160.1302 | 0 - 20 | 60 - 90 | 39.578,46 | 765,79 |
| 25.160.1303 | 20 - 50 | 30 - 60 | 58.684,83 | 824,69 |
| 25.160.1304 | 20 - 50 | 60 - 90 | 68.071,51 | 942,50 |
| 25.160.1305 | 50 - 80 | 30 - 60 | 75.329,01 | 1.060,31 |
| 25.160.1306 | 50 - 80 | 60 - 90 | 86.980,19 | 1.178,13 |
| 25.160.1307 | 80 - 120 | 60 - 90 | 114.185,23 | 1.295,94 |
| **25.160.1400** | **Single-pump booster with Horizontal-shaft Centrifugal Pump:** | | | |
| | Flow rate: m³/h | Pressure: mSS | | |
| 25.160.1401 | 1 - 3 | 15 - 30 | 10.302,50 | 471,25 |
| 25.160.1402 | 1 - 3 | 30 - 45 | 12.786,75 | 540,31 |
| 25.160.1403 | 1 - 3 | 45 - 70 | 13.536,06 | 589,06 |
| 25.160.1404 | 3 - 6 | 15 - 30 | 14.542,88 | 658,13 |
| 25.160.1405 | 3 - 6 | 30 - 45 | 16.238,19 | 706,88 |
| 25.160.1406 | 3 - 6 | 45 - 70 | 21.989,44 | 775,94 |
| 25.160.1407 | 6 - 10 | 15 - 30 | 23.318,31 | 824,69 |
| 25.160.1408 | 6 - 10 | 30 - 45 | 24.041,88 | 893,75 |
| 25.160.1409 | 6 - 10 | 45 - 70 | 25.406,50 | 942,50 |
| **25.160.1500** | **Two-pump booster with Horizontal-shaft Centrifugal Pump:** | | | |
| | Flow rate: m³/h | Pressure: mSS | | |
| 25.160.1501 | 8 - 24 | 30 - 50 | 32.511,79 | 765,79 |
| 25.160.1502 | 8 - 24 | 50 - 70 | 34.715,69 | 824,69 |
| 25.160.1503 | 24 - 48 | 30 - 50 | 44.059,31 | 1.060,31 |
| 25.160.1504 | 24 - 48 | 50 - 70 | 48.764,13 | 1.178,13 |
| **25.160.1600** | **Three-pump booster with Horizontal-shaft Centrifugal Pump:** | | | |
| | Flow rate: m³/h | Pressure: mSS | | |
| 25.160.1601 | 10 - 35 | 30 - 50 | 50.275,63 | 706,88 |
| 25.160.1602 | 10 - 35 | 50 - 70 | 52.167,41 | 765,79 |
| 25.160.1603 | 35 - 70 | 30 - 50 | 58.560,25 | 824,69 |
| 25.160.1604 | 35 - 70 | 50 - 70 | 67.513,81 | 942,50 |
| **25.160.2000** | **Booster Pump with Frequency Converter:**<br>Supply to the work site and installation a frequency-converter booster pump with thermal protection, which shall be installed on a metal chassis, connected together by suction and pump collectors by means of the required check valves, valves and fittings, selected to automatically operate 1 to 6 multi-stage pumps, and made up of a power control panel with an integral frequency converter unit, and equipped with rotation feature that enables or disables the pumps in a given order by means of an analog pressure sensor filters that prevent damaging voltage fluctuations in the control panel, programming function, fuses, and safety systems including a motor protection breaker, and protection against dry operation, short circuit or voltage pressure sensor malfunction, menu control panel, electric motors in IP 54 protection class, expansion tank, airtight replaceable membrane made of steel in accordance with TS EN | | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | ISO 11124-1,2,3,4, and a sufficient volume and, amount of tanks made of St. 37-2. | | |
| **25.160.2100** | **Single-pump Booster with Vertical Shaft and Frequency Converter:** Flow rate: m³/h Pressure: mSS | | |
| 25.160.2101 | 0 - 5 20 - 40 | 35.297,25 | 471,25 |
| 25.160.2102 | 0 - 5 40 - 60 | 38.974,31 | 540,31 |
| 25.160.2103 | 0 - 5 60 - 80 | 40.189,06 | 589,06 |
| 25.160.2104 | 5 - 15 20 - 40 | 42.353,63 | 658,13 |
| 25.160.2105 | 5 - 15 40 - 60 | 42.845,13 | 706,88 |
| 25.160.2106 | 5- 15 60 - 80 | 44.261,69 | 775,94 |
| 25.160.2107 | 15- 30 20 - 40 | 49.430,94 | 824,69 |
| 25.160.2108 | 15- 30 40 - 60 | 53.470,31 | 893,75 |
| 25.160.2109 | 15- 30 60 - 80 | 58.537,81 | 942,50 |
| **25.160.2200** | **Two-pump Booster with Vertical Shaft and Frequency Converter:** Flow rate: m³/h Pressure: mSS | | |
| 25.160.2201 | 0 - 10 30 - 60 | 64.081,06 | 589,06 |
| 25.160.2202 | 0 - 10 60 - 90 | 69.034,75 | 706,88 |
| 25.160.2203 | 10 - 30 30 - 60 | 82.383,04 | 765,79 |
| 25.160.2204 | 10 - 30 60 - 90 | 89.305,94 | 824,69 |
| 25.160.2205 | 30 - 60 30 - 60 | 105.137,56 | 1.194,44 |
| 25.160.2206 | 30 - 60 60 - 90 | 112.274,75 | 1.312,25 |
| **25.160.2300** | **Three-pump Booster with Vertical Shaft and Frequency Converter:** Flow rate: m³/h Pressure: mSS | | |
| 25.160.2301 | 0 - 20 30 - 60 | 86.990,88 | 706,88 |
| 25.160.2302 | 0 - 20 60 - 90 | 95.950,16 | 765,79 |
| 25.160.2303 | 20 - 50 30 - 60 | 100.190,44 | 824,69 |
| 25.160.2304 | 20 - 50 60 - 90 | 108.345,13 | 942,50 |
| 25.160.2305 | 50 - 80 30 - 60 | 117.172,94 | 1.194,44 |
| 25.160.2306 | 50 - 80 60 - 90 | 128.607,69 | 1.312,25 |
| 25.160.2307 | 80 - 120 60 - 90 | 163.116,31 | 1.430,06 |
| **25.160.2400** | **Four-pump Booster with Vertical Shaft and Frequency Converter:** Flow rate: m³/h Pressure: mSS | | |
| 25.160.2401 | 0 - 30 30 - 60 | 69.849,69 | 824,69 |
| 25.160.2402 | 0 - 30 60 - 90 | 96.298,75 | 942,50 |
| 25.160.2403 | 30 - 60 30 - 60 | 125.448,31 | 1.060,31 |
| 25.160.2404 | 30 - 60 60 - 90 | 164.975,75 | 1.312,25 |
| 25.160.2405 | 60 - 90 30 - 60 | 187.866,31 | 1.430,06 |
| 25.160.2406 | 60 - 90 60 - 90 | 237.676,63 | 1.547,88 |
| **25.160.2500** | **Five-pump Booster with Vertical Shaft and Frequency Converter:** Flow rate: m³/h Pressure: mSS | | |
| 25.160.2501 | 0 - 40 30 - 60 | 132.791,25 | 942,50 |
| 25.160.2502 | 0 - 40 60 - 90 | 134.999,06 | 1.060,31 |
| 25.160.2503 | 40 - 80 30 - 60 | 179.103,13 | 1.178,13 |
| 25.160.2504 | 40 - 80 60 - 90 | 212.083,44 | 1.295,94 |
| 25.160.2505 | 80 - 120 30 - 60 | 226.085,38 | 1.547,88 |
| 25.160.2506 | 80 - 120 60 - 90 | 288.490,69 | 1.665,69 |
| **25.160.2600** | **Six-pump Booster with Vertical Shaft and Frequency Converter:** Flow rate: m³/h Pressure: mSS | | |

| Item No | Job Type | | | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|---|---|
| 25.160.2601 | 0 - 50 | 30 - 60 | | | | 155.472,81 | 1.060,31 |
| 25.160.2602 | 0 - 50 | 60 - 90 | | | | 160.815,63 | 1.178,13 |
| 25.160.2603 | 50 - 100 | 30 - 60 | | | | 197.920,94 | 1.295,94 |
| 25.160.2604 | 50 - 100 | 60 - 90 | | | | 239.010,38 | 1.547,88 |
| 25.160.2605 | 150 - 200 | 30 - 60 | | | | 290.140,69 | 1.665,69 |
| 25.160.2606 | 150 - 200 | 60 - 90 | | | | 360.246,00 | 1.783,50 |
| 25.160.2607 | 200 - 250 | 60 - 90 | | | | 423.751,31 | 1.901,31 |
| **25.165.3000** | **Fully automatic water softening device (Unit: Qty., Materials on construction site: 80%) (1 - 39 m³/hour)**<br>With specifications provided below, and equipped with a resin tank coated with glass-fiber reinforced polyester over ISO-certified polypropylene or made of ST 37 steel per TS pressure vessel norms with the interior and exterior coated with hot-dip galvanized steel as per TS EN ISO 1461, with 10 op test pressure, 2 to 8 ops operating pressure, salt tank made of anti-corrosion polyethylene and equipped with a polyethylene cover with a capacity to take at least the amount required for regeneration, which shall be equipped with a salt water suction pipe, a filter on the pipe inlet, a salt water suction protector made of PVC pipe, a salt tank overflow pipe and a discharge tip. Supply to the work site, building of a concrete base, connection to the installation, and delivery in working order, including a test kit for measurement of water hardness, and operating and maintenance manuals in Turkish, of a multi-way water softening device made of plastic or metal resistant to salt water corrosion, with a resin bed of 0.7 to 1.2 m., resin carrier quartz filter fixed bed height of 15 to 50 cm, required salt amounts and durations factory-preset/adjustable, two sampling taps with automatic valves and inlet and outlet manometers, and two ends equipped with threads or bushes for ease of connection to the installation, which shall be awarded an international certificate of quality, capable of starting regeneration fully automatically once a certain amount of soft water that is pre-programmed and equal to the device capacity has passed through based on the signals received from the meter on the output line; preparing the salt water required for microprocessor-controlled or electromechanical regeneration, which distributes and collects water in the tank by means of filters installed on the platform and/or octopus filter pipes. Concrete base shall be calculated separately by the relevant unit prices.<br>NOTE: Input water hardness is assumed to be 30°Fr. Accordingly, the resin capacity is assumed to be 6000 F/L. - Water softener device bed speed shall be 30 to 35 m/h. - The tank shall be sized with 40% swelling taken into consideration. | | | | | | | |
| | Flow Rate m3/h | Resin Amount lt | I/O diameter Inch | capacity m3/reg. | Total hardness Fr.m³/reg | | |
| 25.165.3001 | 1.0 | 35 | 3/4″ | 7.0 | 210 | 11.295,38 | 1.178,13 |
| 25.165.3002 | 1.5 | 50 | 1″ | 10.0 | 300 | 13.784,46 | 1.237,04 |
| 25.165.3003 | 2.25 | 75 | 1″ | 15.0 | 450 | 17.140,06 | 1.295,94 |
| 25.165.3004 | 3.0 | 100 | 1″ | 20.0 | 600 | 22.500,75 | 1.413,75 |
| 25.165.3005 | 3.75 | 125 | 1″ | 25.0 | 750 | 27.247,64 | 1.531,56 |
| 25.165.3006 | 4.5 | 150 | 1″ | 30.0 | 900 | 37.310,00 | 1.649,38 |
| 25.165.3007 | 6.0 | 200 | 1″ | 40.0 | 1,200 | 46.721,71 | 1.767,19 |
| 25.165.3008 | 9.0 | 300 | 1¼″ | 60.0 | 1,800 | 72.568,96 | 1.767,19 |
| 25.165.3009 | 12.0 | 400 | 1½″ | 80.0 | 2,400 | 85.967,16 | 1.901,31 |
| 25.165.3010 | 15.0 | 500 | 1½″ | 100.0 | 3,000 | 104.307,53 | 1.960,23 |
| 25.165.3011 | 18.0 | 600 | 2″ | 120.0 | 3,600 | 124.737,88 | 2.019,13 |
| 25.165.3012 | 24.0 | 800 | 2″ | 160.0 | 4,800 | 146.931,04 | 2.136,94 |
| 25.165.3013 | 30.0 | 1,000 | 2½″ | 200.0 | 6,000 | 193.093,38 | 2.335,23 |
| 25.165.3014 | 35.0 | 1,200 | 3″ | 240.0 | 7,200 | 234.888,84 | 2.506,69 |
| 25.165.3015 | 39.0 | 1,300 | 3″ | 260.0 | 7,800 | 265.279,75 | 2.624,50 |
| **25.165.4000** | **Fully automatic water softening device (Unit: Qty.) (45 - 135 m³/hour)**<br>The specifications shall be the same as the item 25.165.3000 except that the resin tank with the specifications provided below shall be made of ST 37 steel in compliance with the norms of TS pressurized vessels, interior and exterior shall be coated with hot-dip galvanized steel in compliance with TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, and equipped with a microprocessor controller that can retain a program on its memory for at least a month, an automatic valve group that directs the air or water required to drive the diaphragm valve controlled by the said valve and/or the controller, a metal or plastic housing that directs the raw water or process water, a rubber diaphragm, internal parts of the valve made of anti-corrosive brass, and with a sufficient number of diaphragm valv with threaded or flanged connection to the installation and built to resist a water pressure of 8 ops. | | | | | | | |

25.100.-Plumbing System

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Flow Rate m3/h / Resin Amount lt / I/O diameter Inch / capacity m3/reg. / Total hardness Fr.m³/reg | | |
| 25.165.4001 | 45 1500 3″ 300 9,000 | 321.522,31 | 2.742,31 |
| 25.165.4002 | 60 2000 4″ 400 12,000 | 361.659,63 | 3.128,38 |
| 25.165.4003 | 75 2500 4″ 500 15,000 | 409.538,19 | 3.514,44 |
| 25.165.4004 | 84 2800 4″ 560 16,800 | 448.348,63 | 3.900,50 |
| 25.165.4005 | 110 3800 5″ 760 22,800 | 534.926,56 | 4.286,56 |
| 25.165.4006 | 135 4500 5″ 900 27,000 | 598.672,63 | 4.672,63 |
| **25.165.5000** | **Two-tank water softening device (tandem)**<br>TSEK-certified, and with two tanks except the salt tank, the unit prices including installation and installation fees in the items 25.165.3000 and 4000 shall be raised for 90 percent for each tank. | | |
| **25.170.1000** | **COLD AND HOT WATER COLLECTORS: (Materials on construction site: 40%)**<br>Supply to the work site and installation on consoles or on a wall of black collector pipes for the heating system as per the item 25.245.1100 after galvanized in a galvanization bath. | | |
| **25.170.1100** | **Galvanized collector pipe: (Unit: m)** | | |
| 25.170.1101 | Ø50 mm (2″) | 347,19 | 70,69 |
| 25.170.1102 | Ø80 mm (3″) | 532,49 | 84,50 |
| 25.170.1103 | Ø100 mm (4″) | 743,85 | 104,00 |
| 25.170.1104 | Ø125 mm (5″) | 973,35 | 117,81 |
| 25.170.1105 | Ø150 mm (6″) | 1.149,65 | 127,56 |
| **25.170.1200** | **Collector outlet: with galvanized sleeves (Unit: Qty.)** | | |
| 25.170.1201 | Ø15 mm | 22,55 | 14,63 |
| 25.170.1202 | Ø20 mm | 26,63 | 14,63 |
| 25.170.1203 | Ø25 mm | 28,74 | 14,63 |
| 25.170.1204 | Ø32 mm | 36,40 | 14,63 |
| 25.170.1205 | Ø40 mm | 42,76 | 19,50 |
| 25.170.1206 | Ø50 mm | 50,19 | 19,50 |
| 25.170.1207 | Ø65 mm Flanged | 211,31 | 19,50 |
| 25.170.1208 | Ø80 mm Flanged | 245,96 | 19,50 |
| 25.170.1209 | Ø100 mm Flanged | 299,10 | 24,38 |
| 25.170.1210 | Ø125 mm Flanged | 400,58 | 24,38 |
| 25.170.1211 | Thermometer, hydrometer and drain outlets (Unit: Qty.) | 16,11 | 8,44 |
| **25.175.0000** | **HOT WATER GENERATORS: (Unit: Qty. TS-736)** | | |
| **25.175.1000** | **Boiler with copper serpentine pipes: (TS-736)**<br>Supply to the work site, connection to the installation, and insulation with 5-cm-thick, mattress type glass wool insulation material, of a boiler manufactured in horizontal and vertical form as per TS-736, coated inside and outside with plastic-based epoxy or epikote paint against corrosion and resistant to 1.5 times its 6-ATM operating pressure, equipped with a flanged cover for installation of a serpentine group of copper pipes with min. 1.2-mm wall thickness installed as fully removable, and equipped with steel carrier pedestals.<br>NOTE: Prices of safety valves, valves and other fixtures at boiler connections shall be based on the relevant unit price. | | |
| **25.175.1100** | **Boiler with copper serpentine pipes and 10 ATM operating pressure, other specifications similar to those of the item 110-100.**<br>Horizontal or vertical design, 10-bar operating pressure, 90/70°C serpentine and 10/60°C utility water temperature, minimum utility water flow rates and serpentine side maximum flow resistances | | |
| 25.175.1101 | 150 L - min. hot water flow rate: 410 L/h (0.3 kPa) | 4.902,13 | 609,38 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.175.1102 | 200 L - min. hot water flow rate: 510 L/h (0.4 kPa) | 5.960,00 | 666,25 |
| 25.175.1103 | 300 L - min. hot water flow rate: 550 L/h (0.4 kPa) | 7.336,64 | 810,89 |
| 25.175.1104 | 500 L - min. hot water flow rate: 910 L/h (0.6 kPa) | 11.211,19 | 1.066,44 |
| 25.175.1105 | 800 L - min. hot water flow rate: 1,130 L/h (0.7 kPa) | 17.142,50 | 1.184,25 |
| 25.175.1106 | 1,000 L - min. hot water flow rate: 1,200 L/h (0.7 kPa) | 21.378,75 | 1.281,75 |
| 25.175.1107 | 1,500 L - min. hot water flow rate: 1,540 L/h (1.5 kPa) | 29.350,56 | 1.399,56 |
| 25.175.1108 | 2,000 L - min. hot water flow rate: 1,920 L/h (3.0 kPa) | 36.425,88 | 1.564,13 |
| 25.175.1109 | 2,500 L - min. hot water flow rate: 2,320 L/h (4.0 kPa) | 45.419,00 | 1.702,25 |
| 25.175.1110 | 3,000 L - min. hot water flow rate: 2,640 L/h (7.0 kPa) | 51.926,75 | 1.799,75 |
| 25.175.1111 | 4,000 L - min. hot water flow rate: 3,260 L/h (9.0 kPa) | 67.273,00 | 2.169,50 |
| 25.175.1112 | 5,000 L - min. hot water flow rate: 4,090 L/h (12.0 kPa) | 79.247,75 | 2.267,00 |
| **25.175.1200** | **Boiler with iron serpentine pipe and 10-ATM operating pressure, other specifications shall be the same as the item 25.175.1000: The unit prices including installation in the item 25.175.1100 shall be reduced by 10%, and installation fees shall remain unchanged.** | | |
| **25.175.1300** | **Double-wall boiler with 10-ATM operating pressure and other specifications the same as the item 25.175.1000 (TSE 736)**<br>Unit prices in installed form and the installation fee shall be charged as per the item 25.175.1200. | | |
| **25.175.1400** | **Vertical Boiler with Single Serpentine;**<br>Manufactured as per the standards TS EN13445-3, TS EN 12897 and TS 736, equipped with control and cleaning covers, a nozzle suitable to connect an electric heater if required, interior of the housing and the exterior surface of the serpentine pipes coated with min. 180 microns of enamel, the exterior surface of the housing coated with enamel or 2 layers of anti-rust paint to prevent the housing from corrosion from outside and resistant to a pressure of 1.3 times the 10-ATM operating pressure, serpentine pipes in compliance with the TS ISO 1129 standard, a 200 g/m² magnesium anode or external current anode per unit interior surface area, with the serpentine pipes and external current anodes in compliance with TS 10380 and the Pressurized Equipment Directive (2014/68/EU) if stainless steel serpentine pipes of quality 316 are used. Supply to the work site, installation to the plumbing system, and delivery in working order, of boilers with housing insulated with non-HCFC hard polyurethane of min. 40 kg/m³ density and min. 50 mm thickness or with polyurethane sponges of min. 15 kg/m³ density and min. 8 cm thickness which shall be covered with a layer of galvanized sheet metal or sheet metal with min. 50-micron electrostatic powder coating, or external cover with similar function.<br>Note: Boiler capacities were calculated with 90/70°C source fluid and 10/60°C sanitary water temperatures, minimum utility water flow rates and maximum pressure drops in serpentine pipes. | | |
| 25.175.1401 | 100 L - minimum hot water flow rate 240 L/h (0.3 kPa) | 5.536,13 | 511,88 |
| 25.175.1402 | 160 L - minimum hot water flow rate 340 L/h (0.2 kPa) | 6.630,50 | 609,38 |
| 25.175.1403 | 200 L - Minimum hot water output flowrate: 440 L/h ( 1.0 kPa) | 7.285,50 | 666,25 |
| 25.175.1404 | 300 L - Minimum hot water output flowrate: 530 L/h ( 1.0 kPa) | 9.304,26 | 810,89 |
| 25.175.1405 | 350 L - Minimum hot water output flowrate: 580 L/h ( 2.0 kPa) | 9.641,38 | 948,63 |
| 25.175.1406 | 500 L - Minimum hot water output flowrate: 920 L/h ( 4.0 kPa) | 13.347,94 | 1.066,44 |
| 25.175.1407 | 600 L - Minimum hot water output flowrate: 920 L/h ( 4.0 kPa) | 14.165,75 | 1.086,75 |
| 25.175.1408 | 800 L - Minimum hot water output flowrate: 1,340 L/h ( 10.0 kPa) | 15.718,69 | 1.184,25 |
| 25.175.1409 | 1,000 L - Minimum hot water output flowrate: 1,340 L/h ( 10.0 kPa) | 19.903,38 | 1.281,75 |
| 25.175.1410 | 1,250 L - Minimum hot water output flowrate: 1,450 L/h ( 14.0 kPa) | 22.415,88 | 1.302,06 |
| 25.175.1411 | 1,500 L - Minimum hot water output flowrate: 1,710 L/h ( 20.0 kPa) | 28.143,00 | 1.466,63 |
| 25.175.1412 | 2,000 L - Minimum hot water output flowrate: 2,210 L/h ( 40.0 kPa) | 33.783,13 | 1.564,13 |
| 25.175.1413 | 2,500 L - Minimum hot water output flowrate: 2,880 L/h ( 38.0 kPa) | 42.095,63 | 1.702,25 |
| 25.175.1414 | 3,000 L - Minimum hot water output flowrate: 3,330 L/h ( 58.0 kPa) | 48.812,38 | 1.799,75 |
| **25.175.1500** | **Vertical Boiler with Two Steel Serpentines**<br>In vertical design with 10-bar operating pressure, 90/70°C serpentine and 10/60°C utility water temperature. The minimum utility water flow rates of the lower serpentine and upper serpentine, the maximum flow resistances of the serpentine side, and other specifications shall be similar to those of vertical boilers with single serpentine. | | |
| 25.175.1501 | 160 L – Lower serpentine: 210 L/h (0.1 Kpa) - Upper serpentine: 150 L/h (0.1 Kpa) | 7.384,69 | 609,38 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.175.1502 | 200 L – Lower serpentine: 270 L/h (0.2 Kpa) - Upper serpentine: 210 L/h (0.2 Kpa) | 7.828,35 | 666,25 |
| 25.175.1503 | 300 L – Lower serpentine: 270 L/h (0.2 Kpa) - Upper serpentine: 210 L/h (0.2 Kpa) | 9.629,40 | 851,13 |
| 25.175.1504 | 350 L – Lower serpentine: 310 L/h (0.5 Kpa) - Upper serpentine: 250 L/h (0.3 Kpa) | 11.403,85 | 948,63 |
| 25.175.1505 | 500 L – Lower serpentine: 920 L/h (4.0 Kpa) - Upper serpentine: 540 L/h (1.0 Kpa) | 13.432,23 | 1.066,44 |
| 25.175.1506 | 600 L – Lower serpentine: 920 L/h (4.0 Kpa) - Upper serpentine: 540 L/h (1.0 Kpa) | 17.564,75 | 1.086,75 |
| 25.175.1507 | 800 L - Lower serpentine: 1340 L/h (10.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa) | 19.175,85 | 1.184,25 |
| 25.175.1508 | 1000 L - Lower serpentine: 1340 L/h (10.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa) | 21.255,83 | 1.281,75 |
| 25.175.1509 | 1250 L - Lower serpentine: 1450 L/h (14.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa) | 28.652,60 | 1.302,06 |
| 25.175.1510 | 1500 L - Lower serpentine: 1710 L/h (20.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa) | 30.057,83 | 1.466,63 |
| 25.175.1511 | 2000 L - Lower serpentine: 2210 L/h (40.0 Kpa) - Upper serpentine: 1000 L/h (5.0 Kpa) | 38.009,88 | 1.564,13 |
| 25.175.1512 | 2500 L - Lower serpentine: 2880 L/h (38.0 Kpa) - Upper serpentine: 1230 L/h (4.0 Kpa) | 47.734,23 | 1.702,25 |
| 25.175.1513 | 3000 L - Lower serpentine: 3330 L/h (58.0 Kpa) - Upper serpentine: 1530 L/h (7.0 Kpa) | 51.987,39 | 1.799,75 |
| **25.175.1600** | **Vertical Boiler with Single Copper Serpentine**<br>A detachable copper serpentine group with min. 1.2 mm wall thickness and connected to the housing with flanges. Galvani corrosion measures shall be taken and insulation from the housing shall be established and cathodic protection shall be applied as per DIN 4753-3 for production and installation on the tank of the serpentine group with copper pipes. The boiler with single copper pipe serpentine as defined above shall be supplied and connected. The rest of the specifications shall be the same as those of the single-serpentine vertical boiler. | | |
| 25.175.1601 | 160 L - min. hot water flow rate: 410 L/h (0.3 kPa) | 10.906,00 | 568,75 |
| 25.175.1602 | 200 L - min. hot water flow rate: 510 L/h (0.4 kPa) | 14.295,25 | 666,25 |
| 25.175.1603 | 300 L - min. hot water flow rate: 550 L/h (0.4 kPa) | 15.962,38 | 851,13 |
| 25.175.1604 | 350 L - min. hot water flow rate: 630 L/h (0.4 kPa) | 21.796,38 | 948,63 |
| 25.175.1605 | 500 L - min. hot water flow rate: 910 L/h (0.6 kPa) | 25.379,19 | 1.066,44 |
| 25.175.1606 | 600 L - min. hot water flow rate: 910 L/h (0.6 kPa) | 30.269,75 | 1.086,75 |
| 25.175.1607 | 800 L - min. hot water flow rate: 1,130 L/h (0.7 kPa) | 34.756,25 | 1.184,25 |
| 25.175.1608 | 1,000 L - min. hot water flow rate: 1,200 L/h (0.7 kPa) | 38.010,75 | 1.281,75 |
| 25.175.1609 | 1,250 L - min. hot water flow rate: 1300 L/h (0.9 kPa) | 41.804,06 | 1.302,06 |
| 25.175.1610 | 1,500 L - min. hot water flow rate: 1,540 L/h (1.5 kPa) | 45.722,38 | 1.466,63 |
| 25.175.1611 | 2,000 L - min. hot water flow rate: 1,920 L/h (3.0 kPa) | 56.561,38 | 1.564,13 |
| 25.175.1612 | 2,500 L - min. hot water flow rate: 2,320 L/h (4.0 kPa) | 72.927,25 | 1.702,25 |
| 25.175.1613 | 3,000 L - min. hot water flow rate: 2,640 L/h (7.0 kPa) | 83.034,75 | 1.799,75 |
| **25.175.1700** | **Vertical Boiler with Double Copper Serpentine**<br>Where copper serpentine pipes are used instead of iron serpentine pipes, other specifications shall be the same as the item 25.175.1400. Unit prices including installation shall be 25 percent more than item 25.175.1400 and installation fees shall remain unchanged. | | |
| 25.175.1701 | 160 L - minimum hot water flow rate 410 L/h (0.3 kPa) - 240 L/h (0.2 Kpa) | 19.589,88 | 609,38 |
| 25.175.1702 | 200 L - minimum hot water flow rate 510 L/h (0.4 kPa) - 290 L/h (0.2 Kpa) | 21.340,75 | 666,25 |
| 25.175.1703 | 300 L - minimum hot water flow rate 550 L/h (0.4 kPa) - 340 L/h (0.3 Kpa) | 23.450,63 | 851,13 |
| 25.175.1704 | 350 L - minimum hot water flow rate 630 L/h (0.4 kPa) - 370 L/h (0.3 Kpa) | 27.301,88 | 948,63 |
| 25.175.1705 | 500 L - minimum hot water flow rate 910 L/h (0.6 kPa) - 420 L/h (0.3 Kpa) | 29.671,94 | 1.066,44 |
| 25.175.1706 | 600 L - minimum hot water flow rate 910 L/h (0.6 kPa) - 420 L/h (0.3 Kpa) | 34.408,50 | 1.086,75 |
| 25.175.1707 | 800 L - minimum hot water flow rate 1,130 L/h (0.7 kPa) - 610 L/h (0.4 Kpa) | 38.875,75 | 1.184,25 |
| 25.175.1708 | 1,000 L - minimum hot water flow rate 1,200 L/h (0.7 kPa) - 770 L/h (0.6 Kpa) | 42.322,75 | 1.281,75 |
| 25.175.1709 | 1,250 L - minimum hot water flow rate 1,300 L/h (0.9 kPa) - 800 L/h (0.6 Kpa) | 46.404,81 | 1.302,06 |
| 25.175.1710 | 1,500 L - minimum hot water flow rate 1,540 L/h (1.5 kPa) - 870 L/h (0.6 Kpa) | 50.631,13 | 1.466,63 |
| 25.175.1711 | 2,000 L - minimum hot water flow rate 1,920 L/h (3.0 kPa) - 1370 L/h (1.5 Kpa) | 63.106,38 | 1.564,13 |
| 25.175.1712 | 2,500 L - minimum hot water flow rate 2320 L/h (4.0 kPa) - 1,150 L/h (0.2 Kpa) | 76.469,25 | 1.702,25 |
| 25.175.1713 | 3,000 L - minimum hot water flow rate 2640 L/h (7.0 kPa) - 1,270 L/h (0.2 Kpa) | 90.484,50 | 1.799,75 |
| **25.175.1800** | **LOW TEMPERATURE BOILER WITH SINGLE STEEL PIPE SERPENTINE** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | This is a vertical design boiler capable of operating at low temperatures of source fluid (55/50) C and 10-bar operating pressure. The rest of the specifications shall be similar to those of the item 25.175.1400. The capacities are based on 55/50°C serpentine and 10/45°C utility water temperature, minimum utility water flow rates and serpentine side maximum flow resistances. | | |
| 25.175.1801 | 160 L - minimum hot water flow rate 260 L/h (5.0 kPa) | 6.886,94 | 609,38 |
| 25.175.1802 | 200 L - minimum hot water flow rate 410 L/h (16.0 kPa) | 8.651,56 | 666,25 |
| 25.175.1803 | 300 L - minimum hot water flow rate 430 L/h (24.0 kPa) | 10.923,69 | 851,13 |
| 25.175.1804 | 500 L - minimum hot water flow rate 430 L/h (30.0 kPa) | 13.953,63 | 1.066,44 |
| 25.175.1805 | 800 L - minimum hot water flow rate 860 L/h (50.0 kPa) | 19.242,13 | 1.184,25 |
| 25.175.1806 | 1,000 L - minimum hot water flow rate 860 L/h (50.0 kPa) | 20.588,81 | 1.281,75 |
| 25.175.1807 | 1,500 L - minimum hot water flow rate 860 L/h (63.0 kPa) | 26.576,88 | 1.466,63 |
| 25.175.1808 | 2,000 L - minimum hot water flow rate 860 L/h (95.0 kPa) | 34.912,69 | 1.564,13 |
| **25.175.2500** | **Accumulation Tank;**<br>It shall be used exclusively for storage of hot water, not generate hot water, and be without serpentine pipes, with the other specifications the same as the unit 25.175.1400 | | |
| 25.175.2501 | Accumulation Tank, 100 L | 4.757,25 | 511,25 |
| 25.175.2502 | Accumulation Tank, 150 L | 5.566,93 | 608,13 |
| 25.175.2503 | Accumulation Tank, 200 L | 6.700,28 | 663,75 |
| 25.175.2504 | Accumulation Tank, 300 L | 8.316,26 | 808,08 |
| 25.175.2505 | Accumulation Tank, 350 L | 8.521,99 | 945,19 |
| 25.175.2506 | Accumulation Tank, 500 L | 11.793,88 | 1.062,69 |
| 25.175.2507 | Accumulation Tank, 600 L | 12.176,26 | 1.083,31 |
| 25.175.2508 | Accumulation Tank, 800 L | 15.416,94 | 1.180,19 |
| 25.175.2509 | Accumulation Tank, 1,000 L | 18.625,16 | 1.277,06 |
| 25.175.2510 | Accumulation Tank, 1,250 L | 19.748,26 | 1.297,69 |
| 25.175.2511 | Accumulation Tank, 1,500 L | 24.041,88 | 1.461,63 |
| 25.175.2512 | Accumulation Tank, 2,000 L | 31.583,96 | 1.558,50 |
| 25.175.2513 | Accumulation Tank, 2,500 L | 39.300,13 | 1.696,63 |
| 25.175.2514 | Accumulation Tank 3,000 L | 43.207,54 | 1.793,50 |
| **25.175.2800** | **Addition of an Electric Heater and a Panel Board.**<br>Addition of an electric heater and a panel board for use with the boiler and accumulation tanks as per the approved project. | | |
| 25.175.2801 | Panel board with 1 x 2kW Heater | 1.368,30 | 48,44 |
| 25.175.2802 | Panel board with 1 x 3kW Heater | 2.390,81 | 58,13 |
| 25.175.2803 | Panel board with 1 x 4kW Heater | 3.437,25 | 67,81 |
| 25.175.2804 | Panel board with 1 x 7.5 kW Heater | 4.065,00 | 77,50 |
| 25.175.2805 | Panel board with 1 x 10kW Heater | 5.589,94 | 87,19 |
| 25.175.2806 | Panel board with 2 x 4kW Heater | 6.307,69 | 87,19 |
| 25.175.2807 | Panel board with 2 x 7.5kW Heater | 9.706,75 | 96,88 |
| 25.175.2808 | Panel board with 2 x 10kW Heater | 10.882,50 | 116,25 |
| 25.175.2809 | Panel board with 3 x 7.5 kW Heater | 11.271,00 | 125,94 |
| 25.175.2810 | Panel board with 3 x 10kW Heater | 13.343,94 | 145,31 |
| 25.175.2811 | Panel board with 4 x 7.5kW Heater | 14.988,50 | 155,00 |
| 25.175.2812 | Panel board with 4 x 10kW Heater | 16.104,44 | 174,38 |
| **25.175.3100** | **Double-wall Solar Boiler;**<br>Supply to the work site and connection to the installation of a horizontal, double-wall solar boiler with interior coated with minimum 180-micron enamel, a housing resistant to 1.3 times the operating pressure of 8 ATM; with the housing insulated with a 5-cm-thick layer of polyurethane with 40 kg/m³ density and the insulation layer coated with 0.70 micron of electrostatic powder-paint galvanized sheet metal housing or another type of housing with the same effect (If the boiler insulation material is glass wool, the installed unit prices shall be | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | decreased by 10 percent with the installation fees remaining unchanged.) | | |
| 25.175.3101 | 85 L | 2.152,18 | 373,75 |
| 25.175.3102 | 100 L | 3.641,31 | 471,25 |
| 25.175.3103 | 120 L | 5.174,69 | 589,06 |
| 25.175.3104 | 150 L | 6.169,75 | 706,88 |
| 25.175.3105 | 170 L | 6.347,38 | 824,69 |
| 25.175.3106 | 200 L | 7.462,06 | 942,50 |
| 25.175.3107 | 300 L | 9.035,69 | 1.080,63 |
| **25.175.4000** | **WATER HEATER: (Unit: Qty.) (TS 615 EN 26+AC)**<br>Supply, connection to the installation and exhaust flue and delivery in working order of a water heater with enameled surface and minimum three meters of exhaust pipe as per Directive 2016/426/EU on Appliances Burning Gaseous Fuels, released with CE compliance marking. | | |
| **25.175.4200** | **Hermetically-sealed Natural Gas / LPG water heater (TS 615 EN 26/A1,A2, A3, AC)** | | |
| 25.175.4201 | 11 L/min (19 kW) | 5.926,54 | 205,16 |
| 25.175.4202 | 13 L/min ( 22.5 kW) | 6.344,54 | 205,16 |
| 25.175.4203 | 14 L/min (24.4kW) | 6.736,41 | 205,16 |
| **25.175.4300** | **Electric water heaters (TS 2212 EN 60335-2-21/A2 )**<br>The devices shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and released with the CE compliance marking.<br>Note: Resistance powers are minimum values. | | |
| 25.175.4301 | 15 L 1,000 Watt. | 2.047,61 | 136,91 |
| 25.175.4302 | 30 L 1,500 Watt. | 2.413,91 | 136,91 |
| 25.175.4303 | 40 L 1,500 Watt. | 2.493,11 | 136,91 |
| 25.175.4304 | 50 L 1,500 Watt. | 2.712,84 | 136,91 |
| 25.175.4305 | 60 L 1,800 Watt. | 2.886,91 | 136,91 |
| 25.175.4306 | 80 L, 1,800 Watt and above | 3.372,00 | 182,00 |
| 25.175.4307 | 100 L, 1,800 Watt and above | 3.706,06 | 186,06 |
| **25.178.1000** | **Solar collectors: (Unit: m²) (TS- EN 12975-1)**<br>Fixed solar collectors with regular fluid shall be manufactured as per TS EN 12975-1+A1 with a TSE compliance report, test report and product specifications submitted to the relevant authority, and for such solar collectors, non-recyclable materials should be avoided or minimized to the extent possible for the purpose of energy saving and reduction of pollution, aluminum materials shall be AL-6063 Etial-60 alloys, and materials that do not contain scrap aluminum and are non-flammable shall be used. The collector box shall be water-proof and designed to avoid collecting the condensed water within the collector. Collectors should guarantee that no undesirable stress occurs within the coating even at the highest static temperature. The collectors should be made of materials that will allow them to resist thermal shocks and static conditions that they may be exposed to in summer. The parts and materials of the collectors shall be resistant to the mechanical loads that may occur during the heating and cooling of the collector as well as environmental impacts caused by such factors as rain, snow, hail, wind, extreme humidity and air pollution. The panels shall be coated with oven-dried flat paint or sprayed paint or be compatible with the mechanical, thermal and selective specifications of the selective surface coating. The impact of such operations as cutting, welding and soldering on the absorber should be taken into consideration, and the absorber should be resistant to corrosion. The cover should remain transparent throughout the life cycle of the collector. The covers shall be resistant to ultraviolet radiation, air pollution and high humidity, and condense at high temperatures depending on the collector design. Glass wool or rock wool insulation material used in the side surfaces of the casing and at the back of the absorber shall be min. 3-cm-thick rock wool or glass wool collector mattress with a declared value of thermal conductivity of λ 0.040 W/mK. Insulation materials shall be resistant to the local temperature that may arise during the static temperature conditions of the collector, and final condensation, reduction of panel performance or corrosion of metal surfaces, leading to melting or gas leak in the insulation material within the collector cover at such temperature shall not substantially reduce the collector's performance. The collector glass shall be low-iron-oxide with minimum 90 percent light transmittance and ensure a low amount of reflection loss. Glass thickness shall be min. 3 mm The glycol-based fluid manufactured for solar systems to prevent corrosion and freezing of the circuit between the solar collector and heat exchanger should be filled in the system and constitute 20 percent to 60 percent of the total fluid volume specified in the project design, depending on the climate conditions.<br>All collector glasses shall be tempered. | | |

25.100.-Plumbing System

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| 25.178.1010 | **Solar collectors with aluminum pipes and panels:**<br>Solar collectors manufactured by extrusion or ultrasonic/laser welding method with absorber channels, with an internal diameter of min. 11 mm in natural circulation and 7 mm in forced circulation, integral wings, aluminum tubes, absorber surface coated with matte black paint, with other specifications the same as the item 25.178.1000. | 1.509,64 | 235,63 |
| 25.178.1020 | **Collector (with copper pipes and panels) manufactured by ultrasonic or laser welding method:**<br>Solar collectors with absorbers coated with matte black paint, manufactured by ultrasonic or laser welding of copper pipes with an internal diameter of 11 mm in natural circulation and 7 mm in forced circulation to copper plates, with the other specifications the same as the item 25.178.1000. | 2.219,41 | 235,63 |
| **25.178.1030** | **Selective-Surface Solar Collectors**<br>Solar collector in compliance with the standards TS EN 12975-1 and TS EN 12975-2, with copper pipe with a minimum internal diameter of 11 mm in natural circulation and 7 mm in forced circulation, an absorption value above 95 percent, selective surface coating, and min. 70 percent efficiency as per TS EN 12975-1+A1, with the other specifications the same as the item 25.178.1000. | | |
| 25.178.1031 | Selective Aluminum-Surface Solar Collector | 3.026,88 | 235,63 |
| 25.178.1032 | Selective Copper-Surface Solar Collector | 4.103,50 | 235,63 |
| 25.178.1100 | **Pressure regulator:**<br>Supply to the work site and installation of a regulator to be installed on the heating fluid circuit. | 492,66 | 28,13 |
| 25.178.1200 | **Solar Power Control Panel: (Unit: Qty.)**<br>Installation and delivery in working order of panels with the differential temperature setting adjustable between +2°C and 20°C with one of the sensors used to generate hot water by the solar power system sensing the temperature of the collector and the other sensing the temperature of the boiler, thereby controlling the system accordingly, a digital screen indicating the collector temperature, boiler temperature and differential temperature setting, and starting or stopping the pump of the temperature difference between the solar collector and the boiler is higher than the set value. The Control Panels shall be in compliance with the 2014/35/EU The Low Voltage Directive (LVD) , and version 89/336/EEC, version 92/31/EEC and version 93/68/EEC as per the regulation 93/68/EEC on EU electromagnetic compatibility, released with a CE compliance marking. | 3.176,00 | 105,63 |
| 25.178.2001 | **Galvanized sheet metal solar system carriers (Unit: kg)**<br>Manufacture of solar panel carriers made of galvanized sheet metal as per the approved project. | 34,81 | 12,19 |
| 25.178.2002 | **Aluminum profile solar system carriers (Unit: kg)**<br>Manufacture of solar panel carriers made of aluminum profile as per the approved project. | 87,19 | 12,19 |
| 25.178.2003 | **Stainless Steel solar system carriers (Unit: kg)**<br>Manufacture of solar panel carriers made of minimum AISI 304 Stainless Steel as per the approved project. | 90,56 | 12,19 |
| **25.180.1000** | **ULTRAVIOLET STERILIZATION DEVICE (Unit: Qty., Materials on construction site: 80%) (1.5 - 50 m³)**<br>Supply to the work site, connection to the installation, and delivery in working order, with operator's and user's manual in Turkish, of a UV sterilization device whose specifications are provided below, with housing and wet surfaces made of stainless steel of AISI 304 quality, a cover transmitting 90 to 95 percent of UV beams for each ultraviolet lamp inside the housing so as to block contact of such lamps with water, minimum 30,000 microwatts/second/cm² ultraviolet light intensity and 254 mm wavelength, UV lamps with min. 9000 hours of service life, visor on the housing to confirm whether the UV lamp operates or a system that sounds an audible alarm in case of a malfunction; with an operating pressure of 2 to 8 bars, and both ends with threads or bushes to ensure ease of connection to the installation, complete with device inlet and outlet, and bypass line valves, inlet and outlet manometers, and inlet and outlet sample valves.<br>Flow rate - m³/hMin. Power Consumption - WattsDevice Input - Output | | |
| 25.180.1001 | 1.5 21 3/4¨ - 1¨ | 3.614,00 | 235,63 |
| 25.180.1002 | 3.0 39 1¨ | 4.004,81 | 304,69 |

25.100.-Plumbing System

| Item No | Job Type | | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|---|
| 25.180.1003 | 5.0 | 75 | 1½¨ | | 6.019,81 | 353,44 |
| 25.180.1004 | 10.0 | 150 | 1½¨ - 2¨ | | 9.355,13 | 471,25 |
| 25.180.1005 | 15.0 | 225 | 2¨ - 2½″ | | 10.976,88 | 520,00 |
| 25.180.1006 | 20.0 | 300 | 2¨ | | 14.031,06 | 589,06 |
| 25.180.1007 | 25.0 | 310 | 2½″ | | 17.220,94 | 686,56 |
| 25.180.1008 | 30.0 | 450 | 2½″ | | 20.270,25 | 804,38 |
| 25.180.1009 | 40.0 | 600 | 3¨ | | 26.003,25 | 853,13 |
| 25.180.1010 | 50.0 | 750 | 4¨ | | 30.985,50 | 901,88 |
| **25.180.2000** | **FULLY AUTOMATIC, MULTI-MEDIA FILTERING DEVICE (Unit: Qty., Materials on construction site: 80%) (1 - 15 m³/h)**<br>Supply to the work site, building of a concrete base, connection to the installation, and delivery in working order, including operating and maintenance manuals in Turkish, of a filter device with the specifications provided below and with an international certificate of quality, and equipped with a media tank made of a material coated with glass-fiber-reinforced polyester on ISO-certified polyethylene cartridge or of ST 37 steel in compliance with the TS pressure vessel norms with the interior and exterior coated with hot-dip galvanized steel as per TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, and with three-layer sieved quartz filter gravel that is 40 to 50 percent by volume and a filter bearing height of min. 0.7 m, a microprocessor or a timer that starts regeneration fully automatically by means of a programming feature that allows programming at an interval of 1 day to 7 days, with automatic valves, two sampling valves and inlet and outlet manometers, and two tips equipped with threads or bushes for ease of connection to the installation, which distributes and collects water in the tank by means of filters installed on the platform and/or octopus filter pipes, has a testing pressure of 10 ops and an operating pressure of 2 to 8 ops, and 50 to 60 percent of the volume of which is made of anthracite. Concrete base shall be calculated separately by the relevant unit prices.<br>Note: Filter bearing speed shall be max. 25 m/h. - The tank shall be sized with 40% swelling taken into consideration.<br>Flow rate m³/h / Filter material Amount - lt / Input/Output Diameter Inch / Min. Tank Section Area - m² | | | | | |
| 25.180.2001 | 1.0 | 35 | 3/4″ | 0.05 | 7.909,13 | 706,88 |
| 25.180.2002 | 1.7 | 75 | 1″ | 0.08 | 11.590,94 | 824,69 |
| 25.180.2003 | 2.0 | 100 | 1″ | 0.10 | 17.673,50 | 942,50 |
| 25.180.2004 | 2.5 | 125 | 1″ | 0.12 | 19.004,06 | 1.060,31 |
| 25.180.2005 | 3.2 | 150 | 1″ | 0.16 | 24.388,13 | 1.178,13 |
| 25.180.2006 | 4.0 | 200 | 1″ | 0.20 | 28.878,44 | 1.295,94 |
| 25.180.2007 | 6.0 | 300 | 1¼″ | 0.3 | 35.678,75 | 1.413,75 |
| 25.180.2008 | 10.0 | 450 | 1½″ | 0.5 | 69.908,63 | 1.598,63 |
| 25.180.2009 | 13.0 | 450 | 2″ | 0.5 | 74.261,44 | 1.716,44 |
| 25.180.2010 | 15.0 | 600 | 2″ | 0.6 | 82.613,81 | 1.901,31 |
| **25.180.2020** | **FULLY AUTOMATIC, MULTI-MEDIA FILTERING DEVICE (Unit: Qty., Materials on construction site: 80%) (19-90 m³/h)**<br>The specifications shall be the same as the item 25.180.2000 except that the filter tank with the specifications provided below shall be made of ST 37 steel in compliance with the norms of TS pressurized vessels, interior and exterior shall be coated with hot-dip galvanized steel in compliance with TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, and an automatic valve group that directs the air or water required to drive the time-controlled diaphragm valve controlled by the valve and/or the controller or the PLC (Programmable Logic Controller), a metal or plastic housing that directs the raw water or process water, a rubber diaphragm, internal parts of the valve made of anti-corrosive brass, and with a sufficient number of diaphragm valves with threaded or flanged connection to the installation and built to resist a water pressure of 8 ops.<br>Flow rate m³/h / Filter material Amount - lt / Input/Output Diameter Inch / Min. Tank Section Area - m² | | | | | |
| 25.180.2021 | 19.0 | 1000 | 2″ | 0.9 | 127.575,88 | 2.019,13 |
| 25.180.2022 | 27.0 | 1250 | 2½″ | 1.3 | 143.682,19 | 2.136,94 |
| 25.180.2023 | 35.0 | 1500 | 2½″ | 1.8 | 149.690,50 | 2.254,75 |

| Item No | Job Type | | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|---|
| 25.180.2024 | 40.0 | 2000 | 3″ | 2.0 | 188.327,56 | 2.372,56 |
| 25.180.2025 | 50.0 | 2500 | 4″ | 2.5 | 248.942,00 | 2.624,50 |
| 25.180.2026 | 60.0 | 3000 | 4″ | 2.8 | 358.710,13 | 2.860,13 |
| 25.180.2027 | 80.0 | 3750 | 5″ | 3.8 | 400.352,94 | 2.977,94 |
| 25.180.2028 | 90.0 | 4500 | 5″ | 4.5 | 482.008,88 | 3.233,88 |
| **25.180.3000** | **FULLY ACTIVATED CARBON FILTERING DEVICE (Unit: Qty., Materials on construction site: 80%) (1 - 15 m³/h)**<br>Supply to the work site, building of a concrete base, connection to the installation, and delivery in working order, including operating and maintenance manuals in Turkish, of a filter device with the specifications provided below and with an international certificate of quality, and equipped with a media tank made of a material coated with glass-fiber-reinforced polyester on polyethylene cartridge or of ST 37 steel with the interior and exterior coated with hot-dip galvanized steel as per TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, granular active carbon filter, and a filter bearing height of min. 0.7 m, a microprocessor or a timer that starts backwash fully automatically by means of a programming feature that allows programming at an interval of 1 day to 7 days, with automatic valves, two sampling valves and inlet and outlet manometers, and two tips equipped with threads or bushes for ease of connection to the installation, which distributes and collects water in the tank by means of filters installed on the platform and/or octopus filter pipes, has a testing pressure of 10 ops and an operating pressure of 2 to 8 ops.<br>Note: Filter bearing speed shall be max. 25 m/h. - The tank shall be sized with 40 percent swelling taken into consideration.<br><br>Flow rate m³/h / Filter material Amount - lt / Input/Output Diameter Inch / Min. Tank Section Area - m² | | | | | |
| 25.180.3001 | 1.0 | 35 | 3/4″ | 0.05 | 9.566,00 | 706,88 |
| 25.180.3002 | 1.7 | 75 | 1″ | 0.08 | 14.756,88 | 824,69 |
| 25.180.3003 | 2.0 | 100 | 1″ | 0.10 | 18.193,25 | 942,50 |
| 25.180.3004 | 2.5 | 125 | 1″ | 0.12 | 22.198,88 | 1.060,31 |
| 25.180.3005 | 3.2 | 150 | 1″ | 0.16 | 26.258,13 | 1.178,13 |
| 25.180.3006 | 4.0 | 200 | 1″ | 0.20 | 30.280,25 | 1.295,94 |
| 25.180.3007 | 6.0 | 300 | 1¼″ | 0.3 | 51.243,75 | 1.413,75 |
| 25.180.3008 | 10.0 | 450 | 1½″ | 0.5 | 86.555,75 | 1.598,63 |
| 25.180.3009 | 13.0 | 450 | 2″ | 0.5 | 96.946,19 | 1.716,44 |
| 25.180.3010 | 15.0 | 600 | 2″ | 0.6 | 113.233,69 | 1.901,31 |
| **25.180.3020** | **FULLY AUTOMATIC ACTIVATED CARBON FILTER DEVICE: Unit: Qty., Materials on construction site: 80%) (19-90 m³/h)**<br>The specifications shall be the same as the item 25.180.3000 except that the filter tank with the specifications provided below shall be made of ST 37 steel, interior and exterior shall be coated with hot-dip galvanized steel in compliance with TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, and an automatic valve group that directs the air or water required to drive the time-controlled diaphragm valve controlled by the valve and/or the controller or the PLC (Programmable Logic Controller), a metal or plastic housing that directs the raw water or process water, a rubber diaphragm, internal parts of the valve made of anti-corrosive brass, and with a sufficient number of diaphragm valves with threaded or flanged connection to the installation and built to resist a water pressure of 8 ops.<br><br>Flow rate m³/h / Filter material Amount - lt / Input/Output Diameter Inch / Min. Tank Section Area - m² | | | | | |
| 25.180.3021 | 19.0 | 800 | 2″ | 0.78 | 145.680,50 | 2.019,13 |
| 25.180.3022 | 27.0 | 1250 | 2½″ | 1.3 | 174.039,44 | 2.136,94 |
| 25.180.3023 | 35.0 | 1500 | 2½″ | 1.8 | 212.430,38 | 2.254,75 |
| 25.180.3024 | 40.0 | 1500 | 3″ | 1.8 | 236.922,81 | 2.372,56 |
| 25.180.3025 | 50.0 | 2500 | 4″ | 2.5 | 329.970,75 | 2.624,50 |
| 25.180.3026 | 60.0 | 2500 | 4″ | 2.5 | 416.418,88 | 2.860,13 |
| 25.180.3027 | 80.0 | 3750 | 5″ | 3.8 | 521.036,69 | 2.977,94 |
| 25.180.3028 | 90.0 | 4500 | 5″ | 4.5 | 568.056,38 | 3.233,88 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.182.1000** | **AUTOMATIC IRRIGATION SYSTEM COMPONENTS** | | |
| 25.182.1100 | **SPRAY-TYPE POP-UP SPRINKLER: (nit: Qty., Materials on construction site: 80%)**<br>Supply to the work site completely, installation, adjustment and delivery in working order, of spray-type sprinklers for use at green fields, including a connection pipe up to 2 meters, two adapters and two clamps for each sprinkler with flow rate, pressure, spraying range and height in compliance with the relevant project design, with a polypropylene plastic housing and an operating temperature of 1.0 to 5 bars; a flow rate adjustable to a spraying range of 3 to 5 meters; an adjustable angle of 0 to 360 degrees; ½″ housing, a minimum 10-cm pop-up height, which allow installation of nozzles to perform square, rectangular or star-shaped irrigation, adjustment of the spraying range by an integrated screw, and installation of an optional check valve with a filter that strains impurities. | 61,03 | 19,38 |
| **25.182.1200** | **ROTOR TYPE SPRINKLER IRRIGATION SYSTEMS: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site completely, installation, adjustment, and delivery in working order of polypropylene rotor type sprinklers for irrigation of green fields, with technical specifications including flow rate, pressure, spray range and height designed for rotor spring in compliance with the relevant project design, equipped with a water-lubricated gear mechanism, a standard nozzle set, a nozzle inlet on head, and an optional check valve. | | |
| 25.182.1201 | **Rotor Type Pop-up Sprinkler (1/2″)**<br>Irrigation sprinkle with polypropylene plastic housing, an operating pressure of 1.7 to 3.8 bars, a spray range of 4.6 - 9.4 meters, a flow rate of min. 0.12 to 1.20 m³/h, 40° to 360° adjustable angle, 1/2″ grooved female inlet, and min. 10-cm pop-up height | 170,63 | 27,63 |
| 25.182.1202 | **Rotor Type Pop-up Sprinkler (3/4″)**<br>Irrigation sprinkle with polypropylene plastic housing, an operating pressure of 1.0 to 5 bars, a spray range of 7 - 15 meters, a flow rate of min. 0.17 - 2.5 m³/h, 40° to 360° adjustable angle, 3/4″ grooved female inlet, and min. 10-cm pop-up height | 193,38 | 41,44 |
| 25.182.1203 | **Rotor Type Pop-up Sprinkler (1″)**<br>Irrigation sprinkler with polypropylene plastic housing, 3.5 to 6.9 bar operating pressure, 13.1 to 23.2 meter spray range, 2.54 to 7.73 m³/h flow rate, 50 to 360°, minimum 10 cm pop-up | 877,50 | 55,25 |
| **25.182.2000** | **CONTROL UNITS: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site completely, installation, adjustment and delivery in working order of 24-VAC Control Units for programming the operating times of the solenoid valves used for irrigation of green fields, with technical specifications including the number of programs, starting times and stations as provided in the project design; presets to enable quick programming; a test program to enable system testing; built-in batteries protect to retain the program for 24 hours and a protection kit for protection against power surges; a transformer with 230 VAC, 50 Hz input and 24 VAC output, and an built-in casing, which can increase or decrease the irrigation times globally by means of a water saving function based on seasonal changes by means of an independent program. | | |
| 25.182.2001 | With 4 Stations | 1.176,83 | 109,69 |
| 25.182.2002 | With 6 Stations | 1.403,68 | 129,19 |
| 25.182.2003 | With 9 Stations | 1.824,06 | 152,75 |
| 25.182.2004 | With 12 Stations | 3.175,25 | 172,25 |
| 25.182.2005 | With 16 Stations | 3.806,56 | 195,81 |
| 25.182.2006 | With 24 Stations | 6.400,06 | 215,31 |
| 25.182.2100 | **RAIN SENSOR: Unit: Qty.**<br>Supply to the work site completely, installation, adjustment and delivery in working order of a sensor for stopping irrigation during rain, which shall be equipped with a UV-resistant polymer housing; a UV-resistant extension cord; and an adjustable valve to control the drying period, which shall be adjustable for 3.2 to 20 mm of rain, and be compatible with both 9V and 24V control devices. | 487,34 | 69,06 |
| **25.182.2200** | **SOLENOID VALVES: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site completely, installation, adjustment and delivery in working order of a solenoid valve for irrigation of green fields and controlling the water flow, with technical specifications including the flow rate, pressure and temperature in compliance with the project design, with a plastic housing, a flow rate of 0.5 to 68.0 m³/h, an operating pressure of 1.0 to 14 bars and resistance to a temperature of max. 43°C; with a solenoid housing that can be equipped with a pressure reducer and water flow control, | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | which allows valves to be installed on the sides or at the bottom; and allows installation of 9-volt solenoids and turning the normally closed solenoid valves on / off manually. Nominal Diameter (mm): | | |
| 25.182.2201 | 25 mm | 329,88 | 97,50 |
| 25.182.2202 | 40 mm | 866,13 | 97,50 |
| 25.182.2203 | 50 mm | 1.186,09 | 97,50 |
| 25.182.2204 | 80 mm | 5.031,00 | 97,50 |
| **25.182.2300** | **PLASTIC VALVE BOXES: (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site completely and installation of polypropylene plastic valve boxes in cubic and rectangular forms designed to preserve the valves used for irrigation of green fields, with technical specifications including the width, length and height in compliance with the relevant project; with a special screw-locked green cover matching the color of the green field and factory-cut holes at the bottom edge for easy installation of pipes,<br>Type Width (mm.) Length (mm.) Height (mm.) | | |
| 25.182.2301 | Cubic, 240 mm | 105,99 | 23,56 |
| 25.182.2302 | Rectangular 260 mm 380 mm 300 mm | 185,40 | 23,56 |
| 25.182.2303 | Rectangular 380 mm 540 mm 300 mm | 295,81 | 23,56 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# HEATING SYSTEMS
# UNIT PRICES AND DEFINITIONS

2022/3

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.200.1000** | **HOT WATER GENERATOR, SECTIONAL CAST IRON BOILERS: (LIQUID OR GAS FUEL) (TS 430, TS EN 303-1/2/3) UNIT: (Qty., Unit of Measure: (kcal/h) kW, Materials on construction site: 80%)**<br>Thermodynamic and endurance calculations shall be conducted for the operating pressure required by the standards TS 430, TS EN 303-1, TS EN 303-2, TS EN 303-3, and the capacity and thermal efficiency values found by capacity and thermal efficiency tests conducted as per the standards TS-4040 and TS 4041 as well as the communique no. 93/80-81 published in the Official Gazette no. 21651 dated July 28, 1993 shall not be lower than the minimum values specified in the said communique and Turkish standards, and boilers with lower efficiency shall not be used. The said results shall be documented and specified in the relevant projects. Manufacture, transportation to the work site, installation on the designated base, and delivery in working order of the boiler.<br><br>Notes: 1- Liquid or gas-powered hot water boilers with minimum 4 kW and maximum 400 kW power shall be manufactured in compliance with the Directive (92/42/EEC) Hot-Water Boilers and the Directive (2016/426/EU) Appliances Burning Gaseous Fuels, released with a CE compliance marking, and be in compliance with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution."<br>2- A control panel containing an operating thermostat, safety thermostat and thermometer shall be supplied with the boiler. No additional fee shall be charged for these items.<br>3- Unit prices for other capacities shall be interpolated. | | |
| **25.200.1100** | **Liquid- and Gas-fueled Hot Water Generator Sectional Cast Iron Boilers: (Operating pressure up to 6 ops) (TS EN 303-1/2/3 ve TS 430)** | | |
| 25.200.1111 | (375,000 kcal/h) 436 kW | 91.117,63 | 2.941,63 |
| 25.200.1112 | (425,000 kcal/h) 494 kW | 103.764,71 | 3.576,71 |
| 25.200.1113 | (475,000 kcal/h) 552 kW | 110.973,71 | 4.339,71 |
| 25.200.1114 | (525,000 kcal/h) 611 kW | 123.671,08 | 4.717,08 |
| 25.200.1115 | (575,000 kcal/h) 669 kW | 130.651,83 | 5.053,83 |
| 25.200.1116 | (625,000 kcal/h) 727 kW | 145.860,56 | 5.390,56 |
| 25.200.1117 | (675,000 kcal/h) 785 kW | 173.901,44 | 5.865,44 |
| 25.200.1118 | (725,000 kcal/h) 843 kW | 181.522,94 | 5.962,94 |
| 25.200.1119 | (775,000 kcal/h) 901 kW | 195.672,30 | 6.340,30 |
| 25.200.1120 | (825,000 kcal/h) 959 kW | 197.749,80 | 6.437,80 |
| 25.200.1121 | (875,000 kcal/h) 1017 kW | 220.903,30 | 6.535,30 |
| **25.200.1200** | **HOT WATER GENERATOR, SOLID-FUEL, SECTIONAL CAST IRON BOILERS: (TS EN 303-5, TS EN 12809) (Operating Pressure up to 6 ops) UNIT: (Qty., Unit of Measure: (kcal/h) kW)**<br>Production, transportation to the work site, installation on the designated base, and delivery in working order, of the boiler with the capacity and thermal efficiency reports in compliance with the relevant standard, for which thermodynamic and endurance calculations were made as per the construction pressure required by TS EN 303-5, and the capacity and thermal values of which shall not be lower than those specified in the relevant Turkish standards.<br>The equipment that is supplied manually with solid fuel, have a greater PS x V value than 50 bars x liter and a maximum temperature of 110°C as per the Regulation (EU) No.305/2011 Construction Products and the Directive (2014/68/EU) Pressure Equipment shall be manufactured in compliance with the basic requirements specified in the article 2.10, 2.11, 3.4, 5 (a) and 5 (ç) of the annex (ANNEX 1) of the said Regulation, released with a CE marking, and comply with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution."" | | |
| 25.200.1201 | 30,000 kcal/h 37 kW | 14.187,13 | 723,13 |
| 25.200.1202 | 32,500 kcal/h 38 kW | 17.902,13 | 918,13 |
| 25.200.1203 | 40,000 kcal/h 48 kW | 20.045,63 | 1.015,63 |
| **25.202.0000** | **HOT WATER GENERATOR, STEEL (WELDED) HEATING BOILER:**<br>**Unit: Qty., measuring unit: (kcal/h) kW,)**<br>Three-pass boilers with tube bundles except for the cooker outlet, and with the thermodynamic and endurance values calculated in accordance with the required construction pressure as per such standards as TS EN 303–5, TS EN 303-1-2-3, TS 497, TS EN 12953,<br><br>Notes: | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 1-a. The equipment that is supplied manually with solid fuel, have a greater PS x V value than 50 bars x liter and a maximum temperature of 110°C as per the Directive (2014/68/EU) Pressure Equipment shall be in compliance with the basic requirements specified in the article 2.10, 2.11, 3.4, 5 (a) and 5 (ç) of the annex (ANNEX 1) of the said Regulation, and comply with the “Regulation on Controlling the Air Pollution Caused by Heating” and the “Regulation on Controlling the Industrial Air Pollution.""<br>b.) Liquid or gas-powered hot water boilers with minimum 4 kW and maximum 400 kW power shall be in compliance with the Directive (92/42/EEC) Hot-Water Boilers and the Directive (2016/426/EU) Appliances Burning Gaseous Fuels, and be in compliance with the “Regulation on Controlling the Air Pollution Caused by Heating” and the “Regulation on Controlling the Industrial Air Pollution.""<br>2- The boiler shall be manufactured, transported to the work site, installed on the designated base, and delivered in working order.<br>3- Values for other capacities shall be interpolated.<br>4- It shall be awarded capacity and efficiency test reports as per the standards that the boiler is subject to, the capacity and thermal efficiency values found by the capacity and thermal efficiency tests shall not be lower than the minimum values required by Turkish Standards, and boilers with values lower than them shall not be used. The said results shall be documented. (Testing only the largest and the smallest boiler provided that the ratio of the nominal power of the largest boiler to the smallest boiler is 2:1 for the boilers in the same structural design and product range in accordance with TS EN 303-3). | | |
| **25.202.1000** | **HOT WATER GENERATOR, STEEL (WELDED) HEATING BOILER: SOLID FUEL: Unit: Qty., measuring unit: (kcal/h) kW**<br>Q ≤ 500 KW , up to six bars of operating pressure; TS EN 303-5<br>Q > 500 KW, up to 5 bars of structural pressure; TS 497<br>Q ≤ 500 KW, For construction pressures higher than 5 bars; TS 12953<br>Q > 500 KW, For construction pressures higher than 5 bars; TS EN 12953<br>Q ≤ 500 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Q > 500 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Solid-fuel, construction pressure as given in the approved Project, with the other specifications similar to the item 25.202.0000. | | |
| **25.202.1100** | **Welded Steel Hot Water Generator Heating Boilers with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.1000.** | | |
| 25.202.1101 | (40,000 kcal/h) 46 kW | 24.773,75 | 1.137,50 |
| 25.202.1102 | (60,000 kcal/h) 70 kW | 30.733,00 | 1.503,25 |
| 25.202.1103 | (90,000 kcal/h) 100 kW | 43.219,88 | 1.738,88 |
| 25.202.1104 | (100,000 kcal/h) 115 kW | 49.679,63 | 1.738,88 |
| 25.202.1105 | (120,000 kcal/h) 140 kW | 52.202,63 | 1.836,38 |
| 25.202.1106 | (150,000 kcal/h) 175 kW | 55.358,75 | 2.072,00 |
| 25.202.1107 | (180,000 kcal/h) 210 kW | 64.413,25 | 2.340,25 |
| 25.202.1108 | (210,000 kcal/h) 245 kW | 70.921,00 | 2.437,75 |
| 25.202.1109 | (240,000 kcal/h) 280 kW | 85.967,50 | 2.535,25 |
| 25.202.1110 | (270,000 kcal/h) 313 kW | 87.106,00 | 2.535,25 |
| 25.202.1111 | (300,000 kcal/h) 350 kW | 92.338,63 | 2.941,63 |
| 25.202.1112 | (330,000 kcal/h) 385 kW | 107.287,63 | 2.941,63 |
| 25.202.1113 | (360,000 kcal/h) 420 kW | 109.439,38 | 3.039,13 |
| 25.202.1114 | (390,000 kcal/h) 455 kW | 111.518,46 | 3.905,46 |
| 25.202.1115 | (400,000 kcal/h) 465 kW | 115.252,71 | 4.100,46 |
| 25.202.1116 | (420,000 kcal/h) 490 kW | 119.831,46 | 4.100,46 |
| 25.202.1117 | (450,000 kcal/h) 523 kW | 123.484,09 | 4.238,59 |
| 25.202.1118 | (480,000 kcal/h) 560 kW | 127.822,08 | 4.814,58 |
| 25.202.1119 | (500,000 kcal/h) 580 kW | 133.267,08 | 4.814,58 |
| 25.202.1120 | (540,000 kcal/h) 630 kW | 139.725,33 | 4.912,08 |
| 25.202.1121 | (600,000 kcal/h) 700 kW | 148.796,70 | 5.147,70 |
| 25.202.1122 | (660,000 kcal/h) 770 kW | 157.630,95 | 5.245,20 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.202.1123 | (720,000 kcal/h) 840 kW | 172.305,56 | 5.861,81 |
| 25.202.1124 | (780,000 kcal/h) 905 kW | 177.130,31 | 5.959,31 |
| 25.202.1125 | (840,000 kcal/h) 975 kW | 181.040,81 | 5.959,31 |
| 25.202.1126 | (900,000 kcal/h) 1,045 kW | 197.036,05 | 6.535,30 |
| 25.202.1127 | (1,050,000 kcal/h) 1,220 kW | 202.630,55 | 7.006,55 |
| 25.202.1128 | (1,200,000 kcal/h) 1,400 kW | 235.707,93 | 7.339,68 |
| 25.202.1129 | (1,350,000 kcal/h) 1,570 kW | 269.215,93 | 8.103,43 |
| 25.202.1130 | (1,500,000 kcal/h) 1,750 kW | 281.526,55 | 8.534,05 |
| 25.202.1131 | (1,800,000 kcal/h) 2,100 kW | 327.570,93 | 9.533,43 |
| **25.202.1200** | **4 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 5 percent higher than the item 25.202.1000, and the rest of the specifications shall be the same as the item 25.202.1000. | | |
| **25.202.1300** | **5 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.202.1000, and the rest of the specifications shall be the same as the item 25.202.1000. | | |
| **25.202.2000** | **HOT WATER GENERATOR, STEEL (WELDED) HEATING BOILER:**<br>**FLUID AND GAS FUEL: Unit: Qty., measuring unit: (kcal/h) kW**<br>Q ≤ 70 kW, up to 3 bars of operating pressure; TS 9876 EN 303-4<br>Q ≤ 1000 kW , up to 8 bars of operating pressure; TS EN 303-1-2-3<br>Q ≤ 1000 kW, for those above eight bars of operating pressure; TS EN 12953<br>Q > 1000 kW, up to 5 bars of structural pressure; TS 497<br>Q > 1000 KW, For construction pressures higher than 5 bars; TS EN 12953<br>Q ≤ 1000 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Q > 1000 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Liquid- and gas-fuel, construction pressure as given in the approved Project, with the other specifications similar to the item 25.202.0000. | | |
| **25.202.2100** | **Liquid and gas-fueled, steel (welded) hot water generator heating boilers with 3 ATM construction pressure**<br>**Other specifications are the same as the Item 25.202.2000.** | | |
| 25.202.2108 | (350,000 kcal/h) 405 kW | 71.992,63 | 3.039,13 |
| 25.202.2109 | (400,000 kcal/h) 465 kW | 77.982,21 | 3.905,46 |
| 25.202.2110 | (500,000 kcal/h) 580 kW | 91.786,08 | 4.814,58 |
| 25.202.2111 | (600,000 kcal/h) 700 kW | 99.729,33 | 4.912,08 |
| 25.202.2112 | (700,000 kcal/h) 810 kW | 115.762,19 | 5.723,69 |
| 25.202.2113 | (800,000 kcal/h) 930 kW | 127.191,55 | 6.535,30 |
| 25.202.2114 | (1,000,000 kcal/h) 1,160 kW | 146.811,06 | 6.528,06 |
| 25.202.2115 | (1,250,000 kcal/h) 1,450 kW | 176.741,69 | 7.624,94 |
| 25.202.2116 | (1,500,000 kcal/h) 1,750 kW | 219.438,18 | 9.533,43 |
| 25.202.2117 | (2,000,000 kcal/h) 2,325 kW | 264.877,18 | 10.199,68 |
| 25.202.2118 | (2,500,000 kcal/h) 2,900 kW | 346.387,80 | 11.767,80 |
| 25.202.2119 | (3,000,000 kcal/h) 3,490 kW | 392.615,30 | 13.197,80 |
| **25.202.2200** | **4 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 5 percent higher than the item 25.202.2100, and the rest of the specifications shall be the same as the item 202.2000. | | |
| **25.202.2300** | **5 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.202.2100, and the rest of the specifications shall be the same as the item 25.202.2000. | | |
| **25.202.2400** | **6 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 12 percent higher than the item 25.202.2100, and the rest of the specifications shall be the same as the item 25.202.2000. | | |
| **25.202.3000** | **HOT WATER GENERATOR, STEEL (WELDED) HEATING BOILER:**<br>**FLUID AND GAS FUEL: Unit: Qty., measuring unit: (kcal/h) kW**<br>Q ≤ 70 kW, up to 3 bars of operating pressure; TS 9876 EN 303-4<br>Q ≤ 1000 kW, up to 8 bars of operating pressure; TS EN 303-1-2-3 | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Q ≤ 1000 kW, for those above eight bars of operating pressure; TS EN 12953<br>Q > 1000 kW, up to 5 bars of structural pressure; TS 497<br>Q > 1000 KW, For construction pressures higher than 5 bars; TS EN 12953<br>Q ≤ 1000 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Q > 1000 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Three-pass with the second pass single-tube, liquid- and gas-fuel, construction pressure as given in the approved Project, with the other specifications similar to the item 25.202.0000. | | |
| **25.202.3100** | **Liquid and gas-fueled hot water generator heating boilers made of steel with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.3000.** | | |
| 25.202.3111 | (350,000 kcal/h) 405 kW | 61.176,88 | 3.039,13 |
| 25.202.3112 | (400,000 kcal/h) 465 kW | 70.878,96 | 3.905,46 |
| 25.202.3113 | (500,000 kcal/h) 580 kW | 81.836,58 | 4.814,58 |
| 25.202.3114 | (600,000 kcal/h) 700 kW | 86.686,08 | 4.912,08 |
| 25.202.3115 | (700,000 kcal/h) 810 kW | 105.094,94 | 5.723,69 |
| 25.202.3116 | (800,000 kcal/h) 930 kW | 111.574,30 | 6.535,30 |
| 25.202.3117 | (1,000,000 kcal/h) 1,160 kW | 136.020,06 | 6.528,06 |
| 25.202.3118 | (1,250,000 kcal/h) 1,450 kW | 151.051,19 | 7.624,94 |
| 25.202.3119 | (1,500,000 kcal/h) 1,750 kW | 181.768,68 | 9.533,43 |
| 25.202.3120 | (2,000,000 kcal/h) 2,325 kW | 223.247,68 | 10.199,68 |
| 25.202.3121 | (2,500,000 kcal/h) 2,900 kW | 278.077,80 | 11.767,80 |
| 25.202.3122 | (3,000,000 kcal/h) 3,490 kW | 326.780,30 | 13.197,80 |
| **25.202.3200** | **4 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 5 percent higher than the item 25.202.3100, and the rest of the specifications shall be the same as the item 25.202.3000. | | |
| **25.202.3300** | **5 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.202.3100, and the rest of the specifications shall be the same as the item 25.202.3000. | | |
| **25.202.3400** | **6 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 12 percent higher than the item 25.202.3100, and the rest of the specifications shall be the same as the item 25.202.3000. | | |
| **25.202.4000** | **HOT WATER GENERATOR, STEEL (WELDED) HEATING BOILER: FLUID AND GAS FUEL: Unit: Qty., measuring unit: (kcal/h) kW**<br>Q ≤ 70 kW, up to 3 bars of operating pressure; TS 9876 EN 303-4<br>Q ≤ 1000 kW, up to 8 bars of operating pressure; TS EN 303-1-2-3<br>Q ≤ 1000 kW, for those above eight bars of operating pressure; TS EN 12953<br>Q > 1000 kW, up to 5 bars of structural pressure; TS 497<br>Q > 1000 KW, For construction pressures higher than 5 bars; TS EN 12953<br>Q ≤ 1,000 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Q > 1,000 KW, For construction pressures higher than 0.5 bars; TS EN 12953<br>Two-pass, liquid- and gas-fuel, construction pressure as given in the approved Project, with th other specifications similar to the item 25.202.0000. | | |
| **25.202.4100** | **Liquid and gas-fueled hot water generator heating boilers made of steel with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.4000.** | | |
| 25.202.4108 | (350,000 kcal/h) 405 kW | 50.979,88 | 3.039,13 |
| 25.202.4109 | (400,000 kcal/h) 465 kW | 58.899,96 | 3.905,46 |
| 25.202.4110 | (500,000 kcal/h) 580 kW | 63.843,33 | 4.814,58 |
| 25.202.4111 | (600,000 kcal/h) 700 kW | 75.944,58 | 4.912,08 |
| 25.202.4112 | (700,000 kcal/h) 810 kW | 83.735,69 | 5.723,69 |
| 25.202.4113 | (800,000 kcal/h) 930 kW | 90.314,05 | 6.535,30 |
| 25.202.4114 | (1,000,000 kcal/h) 1,160 kW | 116.640,81 | 6.528,06 |
| 25.202.4115 | (1,250,000 kcal/h) 1,450 kW | 149.091,81 | 7.624,94 |
| 25.202.4116 | (1,500,000 kcal/h) 1,750 kW | 176.916,30 | 9.533,43 |
| 25.202.4117 | (2,000,000 kcal/h) 2,325 kW | 222.648,18 | 10.199,68 |
| 25.202.4118 | (2,500,000 kcal/h) 2,900 kW | 312.067,80 | 11.767,80 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.202.4119 | (3,000,000 kcal/h) 3,490 kW | 334.947,80 | 13.197,80 |
| **25.202.4200** | **4 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 5 percent higher than the item 25.202.4100, and the rest of the specifications shall be the same as the item 25.202.4000. | | |
| **25.202.4300** | **5 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.202.4100, and the rest of the specifications shall be the same as the item 25.202.4000. | | |
| **25.202.4400** | **6 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 12 percent higher than the item 25.202.4100, and the rest of the specifications shall be the same as the item 25.202.4000. | | |
| **25.205.1000** | **STEAM OR SUPER HEATED WATER GENERATOR STEEL (WELDED) BOILERS: FLUID AND GAS-FUELED: Unit: Qty., measuring unit: (kcal/h) kW or kg steam/hour**<br>Three-pass boilers with tube bundles except for the cooker outlet, and with the thermodynamic and endurance values calculated in accordance with the required construction pressure as per such standards as TS 497 and TS EN 12953 and with the manufacturing projects approved by the administration, for which a “Manufacturing Inspection Certificate” shall be annexed to certify inspection as per the conditions of the Standard during the production, and the boiler shall undergo a capacity and thermal efficiency test as per the Standards TS-4040 and TS-4041, and the communique no. 93/80-81 published in the Official Gazette no. 21651 dated 28.July.1993. Capacity and thermal efficiency value found shall not be lower than the minimum values specified in the said communique and standards. The said results shall be documented and specified in the relevant projects. Manufacture, transportation to the work site, installation on the designated base, and delivery in working order of the boiler.<br>Note:<br>1- Shall be manufactured in compliance with the Directive (2014/68/EU) Pressure Equipment and the Directive (2016/426/EU) Appliances Burning Gaseous Fuels, released with a CE compliance marking, and be in compliance with the “Regulation on Controlling the Air Pollution Caused by Heating” and the “Regulation on Controlling the Industrial Air Pollution.""<br>2- Boiler Pipes shall be Welded or Weldless, normalized boiler pipes in EN 10216-2 or EN 10217-2 norms, manufactured with raw materials of P235GH/P265GH quality in compliance with the Directive (2014/68/EU) Pressure Equipment.<br>3- Unit prices for other capacities shall be interpolated. | | |
| **25.205.1100** | **Welded steel steam generator boilers with 3 ATM construction pressure: Liquid and Gas-fueled: Other specifications shall be the same as the item 25.205.1000.** | | |
| 25.205.1101 | 150 Kg Vapor/hour | 46.673,88 | 1.738,88 |
| 25.205.1102 | 300 Kg Vapor/hour | 69.583,88 | 1.933,88 |
| 25.205.1103 | 400 Kg Vapor/hour | 87.367,63 | 2.502,63 |
| 25.205.1104 | 500 Kg Vapor/hour | 101.960,25 | 3.867,75 |
| 25.205.1105 | 650 Kg Vapor/hour | 117.956,50 | 4.436,50 |
| 25.205.1106 | 800 Kg Vapor/hour | 139.116,00 | 5.273,50 |
| 25.205.1107 | 1,000 Kg Vapor/hour | 167.637,34 | 6.432,34 |
| 25.205.1108 | 1,250 Kg Vapor/hour | 189.790,46 | 6.667,96 |
| 25.205.1109 | 1,500 Kg Vapor/hour | 214.562,34 | 7.569,84 |
| 25.205.1110 | 2,000 Kg Vapor/hour | 269.056,45 | 8.576,45 |
| 25.205.1111 | 2,500 Kg Vapor/hour | 312.123,69 | 9.623,69 |
| 25.205.1112 | 3,000 Kg Vapor/hour | 348.349,05 | 11.199,05 |
| 25.205.1113 | 4,000 Kg Vapor/hour | 417.117,80 | 11.767,80 |
| 25.205.1114 | 5,000 Kg Vapor/hour | 505.539,68 | 13.839,68 |
| **25.205.1200** | **4 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 5 percent higher than the item 25.205.1100, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.1300** | **5 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.205.1100, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.1400** | **Steam generator steel (welded) boilers with 6 ATM construction pressure: Liquid and gas-fueled** | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | To be made in compliance with TS EN 12953, and project and production shall be inspected by an approved organization, and the other specifications shall be the same as the item 25.205.1000. | | |
| 25.205.1401 | 250 Kg Vapor/hour | 84.280,88 | 2.770,88 |
| 25.205.1402 | 300 Kg Vapor/hour | 96.334,13 | 3.136,63 |
| 25.205.1403 | 400 Kg Vapor/hour | 114.347,25 | 3.274,75 |
| 25.205.1404 | 500 Kg Vapor/hour | 126.872,96 | 4.002,96 |
| 25.205.1405 | 650 Kg Vapor/hour | 150.268,33 | 5.480,83 |
| 25.205.1406 | 800 Kg Vapor/hour | 161.696,45 | 5.716,45 |
| 25.205.1407 | 1,000 Kg Vapor/hour | 216.436,45 | 5.813,95 |
| 25.205.1408 | 1,250 Kg Vapor/hour | 245.667,44 | 6.389,94 |
| 25.205.1409 | 1,500 Kg Vapor/hour | 286.456,19 | 7.056,19 |
| 25.205.1410 | 2,000 Kg Vapor/hour | 344.163,69 | 8.388,69 |
| 25.205.1411 | 2,500 Kg Vapor/hour | 410.599,68 | 10.199,68 |
| 25.205.1412 | 3,000 Kg Vapor/hour | 459.192,80 | 11.767,80 |
| 25.205.1413 | 4,000 Kg Vapor/hour | 601.108,43 | 13.433,43 |
| 25.205.1414 | 5,000 Kg Vapor/hour | 723.227,18 | 14.002,18 |
| 25.205.1415 | 7,000 Kg Vapor/hour | 909.084,15 | 15.609,15 |
| 25.205.1416 | 8,500 Kg Vapor/hour | 1.077.952,90 | 16.177,90 |
| 25.205.1417 | 10,000 Kg Vapor/hour | 1.216.571,65 | 16.746,65 |
| 25.205.1418 | 12,000 Kg Vapor/hour | 1.549.197,38 | 18.272,38 |
| 25.205.1419 | 14,000 Kg Vapor/hour | 1.718.873,63 | 18.548,63 |
| 25.205.1420 | 15,000 Kg Vapor/hour | 1.929.479,35 | 19.879,35 |
| 25.205.1421 | 17,500 Kg Vapor/hour | 2.173.148,10 | 20.448,10 |
| **25.205.1500** | **Steam generator boilers with 8 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.205.1400, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.1600** | **Steam generator boilers with 10 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 20 percent higher than the item 25.205.1400, and the rest of the specifications shall be the same as the item 25.205.1000. For 12 ATM construction pressure, the unit prices including installation and installation fees in the item 25.205.1400 shall be 30 percent higher. For 14 ATM construction pressure, uni prices including installation and installation fees in the item 25.205.1400 shall be 40 percent higher. Other specifications ar the same as the Item 25.205.1000. | | |
| **25.205.2100** | **Super heated water generator steel (welded) boilers with 3 ATM construction pressure: Liquid and Gas fuel:**<br>Other specifications are the same as the Item 25.205.1000. | | |
| 25.205.2101 | (150,000 kcal/h) 175 kW | 57.532,75 | 2.340,25 |
| 25.205.2102 | (200,000 kcal/h) 230 kW | 73.931,00 | 2.706,00 |
| 25.205.2103 | (300,000 kcal/h) 350 kW | 102.876,00 | 2.803,50 |
| 25.205.2104 | (400,000 kcal/h) 465 kW | 121.547,34 | 3.572,34 |
| 25.205.2105 | (500,000 kcal/h) 580 kW | 160.684,58 | 4.814,58 |
| 25.205.2106 | (600,000 kcal/h) 700 kW | 180.197,70 | 5.050,20 |
| 25.205.2107 | (700,000 kcal/h) 810 kW | 192.807,70 | 5.147,70 |
| 25.205.2108 | (800,000 kcal/h) 930 kW | 201.523,69 | 5.723,69 |
| 25.205.2109 | (1,000,000 kcal/h) 1,160 kW | 233.992,44 | 6.292,44 |
| 25.205.2110 | (1,250,000 kcal/h) 1,450 kW | 272.709,31 | 7.389,31 |
| 25.205.2111 | (1,500,000 kcal/h) 1,750 kW | 326.630,30 | 9.005,30 |
| 25.205.2112 | (2,000,000 kcal/h) 2,325 kW | 396.849,68 | 10.199,68 |
| 25.205.2113 | (2,500,000 kcal/h) 2,900 kW | 463.768,53 | 11.668,53 |
| 25.205.2114 | (3,000,000 kcal/h) 3,490 kW | 531.752,90 | 12.277,90 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.205.2115 | (4,000,000 kcal/h) 4,650 kW | 836.053,63 | 13.803,63 |
| **25.205.2200** | **Superheated water generator boilers with 4 ATM construction pressure (TS EN 12953-1,TS EN 12953-3):**<br>Unit prices including installation and installation fees shall be 5 percent higher than the item 25.205.2100, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.2300** | **Superheated water generator boilers with 5 ATM construction pressure (TS EN 12953-1,TS EN 12953-3):**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.205.2100, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.2400** | **Super heated water generator steel (welded) boilers made with 6 ATM construction pressure:**<br>**Liquid and Gas fuel:**<br>To be made in compliance with TS EN 12953, and project and production shall be inspected by an approved organization, and the other specifications shall be the same as the item 25.205.1000. | | |
| 25.205.2401 | (150,000 kcal/h) 175 kW | 75.288,38 | 2.770,88 |
| 25.205.2402 | (200,000 kcal/h) 230 kW | 100.899,13 | 3.136,63 |
| 25.205.2403 | (300,000 kcal/h) 350 kW | 122.487,25 | 3.274,75 |
| 25.205.2404 | (400,000 kcal/h) 465 kW | 150.000,46 | 4.002,96 |
| 25.205.2405 | (500,000 kcal/h) 580 kW | 182.003,33 | 5.480,83 |
| 25.205.2406 | (600,000 kcal/h) 700 kW | 197.418,95 | 5.716,45 |
| 25.205.2407 | (700,000 kcal/h) 810 kW | 231.946,45 | 5.813,95 |
| 25.205.2408 | (800,000 kcal/h) 930 kW | 236.042,44 | 6.389,94 |
| 25.205.2409 | (1,000,000 kcal/h) 1,160 kW | 331.556,19 | 7.056,19 |
| 25.205.2410 | (1,250,000 kcal/h) 1,450 kW | 389.263,69 | 8.388,69 |
| 25.205.2411 | (1,500,000 kcal/h) 1,750 kW | 437.549,68 | 10.199,68 |
| 25.205.2412 | (2,000,000 kcal/h) 2,325 kW | 488.342,80 | 11.767,80 |
| 25.205.2413 | (2,500,000 kcal/h) 2,900 kW | 606.365,40 | 13.740,40 |
| 25.205.2414 | (3,000,000 kcal/h) 3,490 kW | 704.896,65 | 13.821,65 |
| 25.205.2415 | (4,000,000 kcal/h) 4,650 kW | 1.117.403,63 | 15.753,63 |
| **25.205.2500** | **Superheated water generator boilers with 8 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 10 percent higher than the item 25.205.2400, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.2600** | **Superheated water generator boilers with 10 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 20 percent higher than the item 25.205.2400, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.205.2700** | **Superheated water generator boilers with 12 ATM construction pressure:**<br>Unit prices including installation and installation fees shall be 30 percent higher than the item 25.205.2400, and the rest of the specifications shall be the same as the item 25.205.1000. | | |
| **25.206.0000** | **Replacement of boiler pipes of radiators and steam generators (Unit: m)**<br>Detachment of the fume hood to remove defective smoke pipes without damaging the boiler plate; removal of pipes, installation of new boiler pipes of appropriate size and application of tube expanders; temporary closure of boiler connections to test tightness and pressure testing at 1.5 times the operating pressure; delivery of the boiler in working order including any material, labor and damages. | | |
| **25.206.1000** | **Seventy percent of the unit price including installation of black welded and steam boiler pipes of the item 25.300.1000 shall be paid as extra depending on the external measure of the replaced pipe, and no pipe installation material shall be charge.** | | |
| **25.206.1500** | **Where there are replaced weldless black pipes (patent rolled steel pipes), 70 percent extra payment shall be added to the unit prices of the item 25.300.1500, and installation fee shal not be applied separately.** | | |
| 25.207.1000 | **PRODUCTION OF GRILLES: (Unit: kg, Materials on construction site: 60%)**<br>Production and installation of cast iron grilles for the boilers as prescribed in the approved project. | 25,35 | 8,44 |
| **25.208.1000** | **MECHANICAL STOKERS: (Unit: Qty., Materials on construction site: 80%)** | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.208.1100** | **Worm gear type:**<br>Supply and transportation to the work site and installation in its designated location, including any small material and building a base of 250-kg/m³ concrete on the floor, of a stoker sized to fit the boiler's capacity and deliver any kind of coal, which shall be equipped with a wide-pitch screw made of 5-mm hot-formed steel sheet or cast steel depending on the approved project, an external pipe made of min. 3-mm steel sheet or min. 8-mm pig cast steel with screw safety pins fitting the screw, pig-cast grate formed and sized to burn any kind of coal, min. 0.2-m² chamber made of min. 2-mm steel sheet reinforced with 40x40x4-mm brackets, a coal size adjustment mechanism, hermetic motor, an original ventilation fan of appropriate size, and a setting mechanism that can deliver min. 3 levels of coal and air. | | |
| 25.208.1101 | Burning coal up to 100 kg/h | 77.448,25 | 2.153,25 |
| 25.208.1102 | Burning coal up to 200 kg/h | 99.566,06 | 2.271,06 |
| 25.208.1103 | Burning coal up to 300 kg/h | 127.109,19 | 2.506,69 |
| 25.208.1104 | Burning coal up to 400 kg/h | 189.082,31 | 2.742,31 |
| 25.208.1105 | Burning coal up to 500 kg/h | 226.191,38 | 3.331,38 |
| 25.208.1106 | Burning coal up to 600 kg/h | 228.379,19 | 4.391,69 |
| **25.208.1200** | **Coal burner with fully automated motion:**<br>Coal burner designed to be installed in the boiler furnace for semi-cylindrical boilers or in the pre-combustion chamber for cylindrical boilers, and equipped with a hydromechanical motion grate to ensure better burning by stirring the coal crushed in appropriate grain size by pushing it: supply, installation, and delivery in working order with a grate actuator assembly; a coal bunker reinforced with sheet metal profile sized sufficiently for lignite with max. 50-mm grain size for an hour, which can be easily detached and attached; a mechanism (coal pump) for periodically putting the coal in the bunker on the grate as required by the system; LPG (or fuel) equipment for automatic first ignition; an automatic control system to ensure continuous operation of this system for a defined period; primary air blower, an exhaust gas aspirator; ash carrying system, LPG (or fuel oil) ignition system coal pump; and a program adding system to ensure periodic operation of the hydraulic actuator within this system, which can be programmed as desired (The electrical installation, exhaust gas aspirator, primary and secondary air blowers, exhaust gas and smoke ducts, air ducts, multi-cyclonic ash discharge system, coal crushing and conveying mechanisms, and fresh air pre-heating system shall be charged separately per relevant unit prices). | | |
| 25.208.1201 | Up to 200 kg/h | 345.684,50 | 2.209,50 |
| 25.208.1202 | Up to 300 kg/h | 429.520,13 | 2.445,13 |
| 25.208.1203 | Up to 400 kg/h | 472.105,75 | 2.680,75 |
| 25.208.1204 | Up to 500 kg/h | 523.132,31 | 3.382,31 |
| 25.208.1205 | **Up to 600 kg/h**<br>Note: 15 percent extra charge shall apply if a pre-chamber compatible with the boiler is made for cylindrical boilers. | 566.458,88 | 4.083,88 |
| **25.208.1300** | **Worm-gear screw with coal and slag crusher:**<br>Installation on a steel base, coating with red lead and oil paint, and installation in the designated location, including any material and labor, with a 1-m³ coal storage made of 3-mm black sheet metal and reinforced with a 50x50x5-mm bracket, a coal pit, coal crusher run by an electric motor with necessary power below the coal storage, an approximately 0.5-m³ coal pit, a 3.4-m³ coal bunker made of 3-mm black sheet metal and reinforced with a 40x40x1-mm bracket, a coal level adjuster on the bunker, a coal spiral and drum made of special cast metal to take the crushed coal from the coal pit and convey it through the bunker to the grate with an electric motor with power required by the capacity of an operating boiler, with a large pitch, a safety pin against forcing, a heat-resistant cast steel screw barrel, a cast steel grate manufactured specifically for the type and quality of the coal and slightly slanted to the right or left, an electric variator adjusting the amount of coal, a combustion air blower suitable to the boiler and a valve adjusting the air flow rate. | | |
| 25.208.1301 | For coal up to 100 kg/h | 96.658,38 | 2.153,25 |
| 25.208.1302 | For coal up to 200 kg/h | 100.869,56 | 2.271,06 |
| 25.208.1303 | For coal up to 300 kg/h | 105.180,69 | 2.506,69 |
| 25.208.1304 | For coal up to 400 kg/h | 109.241,56 | 2.742,31 |
| 25.208.1305 | For coal up to 500 kg/h | 118.214,00 | 3.331,38 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.208.1306 | For coal up to 600 kg/h | 131.518,69 | 4.391,69 |
| **25.210.1100** | **SECTIONAL CAST HOME BOILER, DIESEL-FUELED: (Unit: Qty. Materials on construction site: 80%)**<br>Thermodynamic and endurance calculations shall be conducted for the construction pressure required by the standards of TS 9876 EN 303-4, with the production projects approved by the administration, manufactured in compliance with the Directive (92/42/EEC) Hot-Water Boilers, and the capacity and thermal efficiency values found by capacity and thermal efficiency tests conducted as per the standards TS-4040 and TS 4041 as well as the communique no. 93/80-81 published in the Official Gazette no. 21651 dated 28.July.1993 shall not be lower than the minimum values specified in the said communique and Turkish standards, and boilers with lower efficiency shall not be used. The said results shall be documented and specified in the relevant projects. Manufacture, transportation to the work site, installation on a base and delivery in working order of a boiler with a coupled burner and a control panel with an operating thermostat, safety thermostat and thermometer. Unit prices for other capacities shall be interpolated. | | |
| 25.210.1101 | 14,000 kcal/h | 11.503,38 | 528,13 |
| 25.210.1102 | 18,000 kcal/h | 13.334,75 | 625,63 |
| 25.210.1103 | 24,000 kcal/h | 15.827,50 | 723,13 |
| 25.210.1104 | 30,000 kcal/h | 20.733,38 | 820,63 |
| 25.210.1105 | 40,000 kcal/h | 23.726,63 | 918,13 |
| **25.212.1100** | **CONDENSING COMBI BOILER, NATURAL GAS AND LPG-FUELED: (Unit: Qty.)**<br>Supply to the work site, installation, and delivery in working order of a combi boiler of hermetically sealed type in compliance with the Directive 2016/426/EU on Appliances Burning Gaseous Fuels, the Regulation 92/42/CEE on the efficiency of water and the standards TS EN 677, TS EN 483, TS EN 625, and bearing a CE marking, with a premix-type (fully premixed) gas burner, a modulation fan, activating high and/or low temperature heating circuits by gas and air modulation settings, equipped with safety equipment compatible with the control system, can be connected to any of the flue types B23, C13, C33, C53 among the flue types compatible with the hermetically-sealed flue types, equipped with two separate heat exchangers, an electronic ignition mechanism, safety mechanisms that turn off gas supply in case of overheat, overpressure, flue blockage, water outage while operating, flame-out, for heating and utility water, flame modulation depending on different heating needs, individual temperature settings of heating and utility water, equipped with a circulation pump, an enclosed expansion tank, automatic air bleed valve and safety valve, for heating and utility water, which shall bear a nameplate that indicates the manufacturing date, heating capacity, fuel type and manufacturer, and an operating manual.<br>Note: 1- The capacity for feed and return water temperatures of 50°C/30°C shall be taken as basis for the device capacity. 2- Unit prices of other capacities shall be interpolated. | | |
| 25.212.1101 | Min. 20,000 kcal/h, Hermetically Sealed, Electronic | 12.507,63 | 585,00 |
| 25.212.1102 | Min. 24,000 kcal/h, Hermetically Sealed, Electronic | 16.269,50 | 682,50 |
| 25.212.1103 | Min. 28,000 kcal/h, Hermetically Sealed, Electronic | 16.984,50 | 682,50 |
| **25.214.1000** | **WALL-MOUNTED, GAS-FUELED CONDENSING BOILERS, NATURAL GAS AND/OR LPG-FUELED: (Unit: Qty.)**<br>Supply, installation, and delivery in working order of a wall-mounted boiler manufactured in compliance with the Directive (2016/426/EU) Appliances Burning Gaseous Fuels and bearing a CE marking, equipped to comply with the standards TS EN 656/A1, TS EN 15502-2-2, and TS EN 15502-2-1+A1 equipped with a premix-type gas burner with the parts of the exchanger suitable to cascaded connections exposed to condensation made of corrosion-resistant material, a modulation fan, safety equipment compatible with the control system, a condensation water drain connection, with an external neutralizer installed for the systems with a total system power higher than 200 kW, which is capable of controlling the high and/or low temperature heating circuits and boiler circuit, controllable by an electronic board, adjust gas and air by modulation, suitable for connection to any of the hermetically-sealed flue configurations B23, B23p, B33, C13, C33, C43, C53 or C83, and which is capable of controlling the external air, internal air, boiler temperature, weekly programming, etc. where necessary, by means of external or internal control units. Note: 1- The capacity for feed and return water temperatures of 50°C/30°C shall be taken as basis for the device capacity. 2- Hermetically-sealed flue set is not included in the price. | | |
| 25.214.1001 | 20 kW to 29.9 kW | 21.293,19 | 450,94 |
| 25.214.1002 | 30 kW to 39.9 kW | 23.889,33 | 629,69 |
| 25.214.1003 | 40 kW to 49.9 kW | 28.240,94 | 727,19 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.214.1004 | 50 kW to 59.9 kW | 32.977,00 | 824,69 |
| 25.214.1005 | 60 kW to 69.9 kW | 34.762,48 | 893,75 |
| 25.214.1006 | 70 kW to 79.9 kW | 39.551,88 | 983,13 |
| 25.214.1007 | 80 kW to 89.9 kW | 41.162,59 | 1.052,19 |
| 25.214.1008 | 90 kW to 99.9 kW | 44.603,43 | 1.121,25 |
| 25.214.1009 | 100 kW to 114.9 kW | 48.153,75 | 1.170,00 |
| 25.214.1010 | 115 kW to 129.9 kW | 50.841,15 | 1.279,69 |
| 25.214.1011 | 130 kW to 150 kW | 62.960,06 | 1.417,81 |
| **25.214.5000** | **FLOOR-TYPE GAS OR LIQUID FUELED CONDENSING BOILERS WITHOUT INTEGRATED BURNER: (Unit: Qty.)**<br>An external neutralizer shall be added to the systems manufactured as per the standards TS EN 303-1, TS EN 303-3 and TS EN 15502-2-2 for the capacities below 1000 kW as well as the Directive 2016/426/EU on Appliances Burning Gaseous Fuels, and released with CE compliance marking, equipped with the required equipment, with the parts suitable to cascaded connections, with the parts exposed to condensation made of sufficiently corrosion-resistant material, capable of controlling the high and/or low temperature heating circuits and boiler circuit, controllable by an electronic board, performs burning by means of an external modulating burner, equipped with a safety equipment compatible with the control system, which allows connection to any of the flue configurations B23, B23p, B33, and equipped with a condensation water drainage connection, and with an overall system power greater than 200 kW. Supply to the work site, installation and delivery in working order of floor type boilers with the condensation fluid neutralized by a neutralization unit and drained to the sewerage network, which shall be capable of controlling the external air, internal air and boiler temperature, weekly operating schedule, etc. by means of internal or external control units.<br>Note: 1- The capacity for feed and return water temperatures of 50°C/30°C shall be taken as basis for the device capacity. | | |
| 25.214.5001 | 150 kW to 189 kW | 61.443,75 | 1.937,88 |
| 25.214.5002 | 190 kW to 224 kW | 76.047,63 | 2.027,25 |
| 25.214.5003 | 225 kW to 274 kW | 88.285,53 | 2.414,03 |
| 25.214.5004 | 285 kW to 324 kW | 94.545,03 | 2.649,65 |
| 25.214.5005 | 325 kW to 399 kW | 109.961,40 | 2.747,15 |
| 25.214.5006 | 400 kW to 474 kW | 130.061,85 | 3.131,48 |
| 25.214.5007 | 475 kW to 549 kW | 160.886,48 | 3.228,98 |
| 25.214.5008 | 550 kW to 624 kW | 178.581,10 | 3.423,98 |
| 25.214.5009 | 625 kW to 699 kW | 197.367,73 | 3.781,48 |
| 25.214.5010 | 700 kW to 799 kW | 253.370,13 | 4.192,63 |
| 25.214.5011 | 800 kW to 899 kW | 329.631,38 | 4.485,13 |
| 25.214.5012 | 900 kW to 1000 kW | 331.240,13 | 4.663,88 |
| **25.214.6000** | **FLOOR-TYPE, GAS-FUELED CONDENSING BOILERS WITH PREMIX BURNER, NATURAL GAS AND/OR LPG-FUELED: (Unit: Qty.)**<br>Manufactured as per the Directive 2016/426/EU on Appliances Burning Gaseous Fuels, released with a CE marking, equipped with the equipment complying with the standards TS EN 656 (for type b boilers with a nominal thermal load of 70 kW to 300 kW), TS EN 15502-2-1+A1 and TS EN 15502-2-2 (for type B1 flues), with the parts of the exchanger suitable to cascaded connections exposed to condensation made of corrosion-resistant material, with a premix-type (fully premixed) gas burner, a modulating fan, and a condensation water drainage outlet, which controls high and/or low temperature heating circuits and the boiler circuit, controlled by an electronic board, performs combustion by modulating the gas and air settings, equipped with safety systems compatible with the control system, and allows connection to any of the flue types B23, B23p, B33, C13, C33, C43, C53, C83 compatible with the hermetically-sealed flue structure. An external neutralizer shall be added for the systems with a power rating higher than 200 kW. Supply to the work site, installation and delivery in working order of floor type boilers with the condensation fluid neutralized by a neutralization unit and drained to the sewerage network, which shall be capable of controlling the external air, internal air and boiler temperature, weekly operating schedule, etc. by means of internal or external control units.<br>Note: The capacity for feed and return water temperatures of 50°C/30°C shall be taken as basis for the device capacity. | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.214.6001 | 125 kW to 149 kW | 109.454,31 | 1.417,81 |
| 25.214.6002 | 150 kW to 189 kW | 134.516,75 | 1.937,88 |
| 25.214.6003 | 190 kW to 224 kW | 148.512,88 | 2.027,25 |
| 25.214.6004 | 225 kW to 284 kW | 165.594,90 | 2.414,03 |
| 25.214.6005 | 285 kW to 324 kW | 181.757,15 | 2.649,65 |
| 25.214.6006 | 325 kW to 399 kW | 191.149,65 | 2.747,15 |
| 25.214.6007 | 400 kW to 474 kW | 216.201,48 | 3.131,48 |
| 25.214.6008 | 475 kW to 549 kW | 228.453,98 | 3.228,98 |
| 25.214.6009 | 550 kW to 624 kW | 245.451,48 | 3.423,98 |
| 25.214.6010 | 625 kW to 699 kW | 292.998,98 | 3.781,48 |
| 25.214.6011 | 700 kW to 799 kW | 310.748,88 | 4.192,63 |
| 25.214.6012 | 800 kW to 899 kW | 389.155,13 | 4.485,13 |
| 25.214.6013 | 900 kW to 999 kW | 480.317,63 | 4.663,88 |
| 25.214.6014 | 1000 kW to 1149 kW | 498.728,88 | 4.663,88 |
| 25.214.6015 | 1150 kW to 1300 kW | 608.424,50 | 4.785,75 |
| **25.218.1000** | **Neutralization Unit**<br>Supply and installation of a unit with CE marking, which is made up of neutralization granules that neutralizes and renders environmentally harmless the condensate acid released by condensation of flue gases in condensing devices. | | |
| 25.218.1101 | Up to 350 kW | 1.040,98 | 29,25 |
| 25.218.1102 | Up to 500 kW | 1.296,59 | 29,25 |
| 25.218.1103 | Up to 750 kW | 1.984,88 | 54,38 |
| 25.218.1104 | Up to 1,000 kW | 2.235,13 | 54,38 |
| 25.218.1105 | Up to 1,500 kW | 2.342,38 | 54,38 |
| 25.218.1106 | Up to 2,000 kW | 2.866,50 | 78,00 |
| 25.218.1107 | Up to 2,500 kW | 3.813,88 | 78,00 |
| 25.218.1108 | Up to 3,000 kW | 4.028,38 | 78,00 |
| **25.220.1000** | **HEAT EXCHANGERS (TS EN 13445, TS 1996): (Unit: Qty.)** | | |
| **25.220.1100** | **PN 10 serpentine copper pipe:**<br>Supply to the work site and installation in the designated locations of the pipes for heating water with steam or superheated water, which shall be selected by approving the project design containing the endurance and thermodynamic calculations or prospectus, manufactured in compliance with the Directive (2014/68/EU) Pressure Equipment, released with a CE marking, with counter-current; Fe 37 body; copper pipe manufactured per TS EN 12451; coils with min. 1-mm wall thickness; a tube sheet fixed between two ring flanges by a bolt and a seal to facilitate detachment of the coil, flanged nozzles for input and output of steam or superheated water and hot water; control and safety equipment and connection nozzles for fill and discharge taps, and one or two feet of appropriate structure and in required height, including installation on a concrete base by appropriate studs and insulation of its exterior by rock wool mat (chlorine content < 10 ppm) with 90 kg/m³ density, sewn on 5-cm-thick rabitz wires, and jacketing the insulation material with min. 0.5-mm-thick galvanized sheet metal and coating of the non-galvanized surfaces with two layers of flame-retardant paint. (The external diameter shall be taken as basis for calculating the heating area.) | | |
| 25.220.1101 | 1 m² serpentine area | 25.712,00 | 934,50 |
| 25.220.1102 | 2 m² serpentine area | 32.697,63 | 1.072,63 |
| 25.220.1103 | 3 m² serpentine area | 38.362,63 | 1.072,63 |
| 25.220.1104 | 4 m² serpentine area | 48.372,63 | 1.072,63 |
| 25.220.1105 | 5 m² serpentine area | 56.142,63 | 1.170,13 |
| 25.220.1106 | 6 m² serpentine area | 61.505,13 | 1.170,13 |
| 25.220.1107 | 8 m² serpentine area | 69.480,13 | 1.170,13 |
| 25.220.1108 | 10 m² serpentine area | 82.777,63 | 1.267,63 |
| 25.220.1109 | 12.5 m² serpentine area | 96.967,63 | 1.267,63 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.220.1110 | 15 m² serpentine area | 112.148,25 | 1.405,75 |
| 25.220.1111 | 17.5 m² serpentine area | 131.138,25 | 1.503,25 |
| 25.220.1112 | 20 m² serpentine area | 147.500,75 | 1.503,25 |
| 25.220.1113 | 25 m² serpentine area | 173.421,38 | 1.738,88 |
| 25.220.1114 | 30 m² serpentine area | 204.401,38 | 1.836,38 |
| 25.220.1115 | 35 m² serpentine area | 225.013,88 | 1.933,88 |
| 25.220.1116 | 40 m² serpentine area | 273.642,75 | 2.437,75 |
| 25.220.1117 | 45 m² serpentine area | 302.285,25 | 2.535,25 |
| 25.220.1118 | 50 m² serpentine area | 331.023,38 | 2.673,38 |
| 25.220.1119 | 60 m² serpentine area | 367.656,50 | 3.006,50 |
| 25.220.1120 | 70 m² serpentine area | 433.164,63 | 3.339,63 |
| 25.220.1121 | 80 m² serpentine area | 469.109,63 | 3.534,63 |
| 25.220.1122 | 90 m² serpentine area | 530.217,75 | 3.867,75 |
| 25.220.1123 | 100 m² serpentine area | 601.678,38 | 4.103,38 |
| 25.220.1124 | 110 m² serpentine area | 620.436,50 | 4.436,50 |
| 25.220.1125 | 120 m² serpentine area | 643.319,63 | 4.769,63 |
| 25.220.1126 | 130 m² serpentine area | 735.405,25 | 5.005,25 |
| **25.220.1200** | **With PN 16 serpentine copper pipe coil**<br>(Copper pipe thickness: min. 1.5 mm): Unit price in installed form shall be 35 percent higher than the item 25.220.1100 with the installation fees and other specifications remaining unchanged. | | |
| **25.220.1300** | **PN 10 serpentine steel pipe:**<br>Supply and installation of an exchanger at the work site with the same specifications as the item 25.220.1100 except for min. 15-mm welded black pipes as per TS-301/2. | | |
| 25.220.1301 | 1 m² serpentine area | 20.762,00 | 934,50 |
| 25.220.1302 | 2 m² serpentine area | 23.100,13 | 1.072,63 |
| 25.220.1303 | 3 m² serpentine area | 24.722,63 | 1.072,63 |
| 25.220.1304 | 4 m² serpentine area | 32.697,63 | 1.072,63 |
| 25.220.1305 | 5 m² serpentine area | 34.720,13 | 1.170,13 |
| 25.220.1306 | 6 m² serpentine area | 39.257,63 | 1.170,13 |
| 25.220.1307 | 8 m² serpentine area | 45.940,13 | 1.170,13 |
| 25.220.1308 | 10 m² serpentine area | 51.565,13 | 1.267,63 |
| 25.220.1309 | 12.5 m² serpentine area | 68.147,63 | 1.267,63 |
| 25.220.1310 | 15 m² serpentine area | 75.298,25 | 1.405,75 |
| 25.220.1311 | 17.5 m² serpentine area | 86.313,25 | 1.503,25 |
| 25.220.1312 | 20 m² serpentine area | 92.060,75 | 1.503,25 |
| 25.220.1313 | 25 m² serpentine area | 106.156,38 | 1.738,88 |
| 25.220.1314 | 30 m² serpentine area | 111.973,88 | 1.836,38 |
| 25.220.1315 | 35 m² serpentine area | 130.001,38 | 1.933,88 |
| 25.220.1316 | 40 m² serpentine area | 147.857,75 | 2.437,75 |
| 25.220.1317 | 45 m² serpentine area | 168.222,75 | 2.535,25 |
| 25.220.1318 | 50 m² serpentine area | 186.565,88 | 2.673,38 |
| 25.220.1319 | 60 m² serpentine area | 216.516,50 | 3.006,50 |
| 25.220.1320 | 70 m² serpentine area | 245.779,63 | 3.339,63 |
| 25.220.1321 | 80 m² serpentine area | 278.314,63 | 3.534,63 |
| 25.220.1322 | 90 m² serpentine area | 319.017,75 | 3.867,75 |
| 25.220.1323 | 100 m² serpentine area | 363.528,38 | 4.103,38 |
| 25.220.1324 | 110 m² serpentine area | 369.911,50 | 4.436,50 |
| 25.220.1325 | 120 m² serpentine area | 385.644,63 | 4.769,63 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.220.1326 | 130 m² serpentine area | 425.755,25 | 5.005,25 |
| **25.220.1400** | **PN 16 serpentine steel pipe:**<br>Unit prices including installation and installation charges shall be 20 percent, or if weldless pipes are used, 40 percent, higher than the item 25.220.1300 with the rest of the specifications remaining the same. | | |
| **25.220.1500** | **PN 25 quality with weldless drawn pipes of min. F 37.2 materials:**<br>Unit Prices Including Installation and Installation Fees shall be 80 percent higher than the item 25.220.1300, and the rest of the specifications shall remain unchanged. | | |
| **25.220.2000** | **PLATE HEAT EXCHANGERS (Unit: Qty.)**<br>Galvanized St. 37-2 plate heat exchangers with 10-bar operating pressure and enclosing easily detachable, sealed plates, with the surfaces of heat transfer plates designed to force the fluid to a high-turbulence flow so that a fast and highly efficient heat transfer occurs between the two fluids; equipped with housing and fittings compatible with the pressure; with 0.5-mm-thick plates made of stainless material meeting the AISI 316 quality requirements; seals made of NBR or EPDM that offer sealing and compatibility with the operating conditions; detachable seals inserted in the holes made on the plates or snapped on the plates, which do not require further adhesion; front and rear pressure plates of St. 37-2 steel and coated with epoxy paint; tension studs of class 8.8 quality. Heat exchangers shall be chosen as per the values specified in the approved project, and the exchangers shall be installed to their designated locations once reports containing the data of the selected values are approved by the administration. | | |
| **25.220.2100** | **Plate exchanger for hot utility water .**<br>Supply and installation of plate heat exchangers with primary circuit inlet temperature of 90-70° C and secondary circuit inlet temperature of 10-60°C . | | |
| 25.220.2101 | Capacity 20,000 kcal/h, primary circuit max. pressure loss: 0.5 mWC | 3.220,75 | 235,63 |
| 25.220.2102 | Capacity 50,000 kcal/h, primary circuit max. pressure loss: 1.0 mWC | 3.705,00 | 255,13 |
| 25.220.2103 | Capacity 75,000 kcal/h, primary circuit max. pressure loss: 1.5 mWC | 3.921,13 | 274,63 |
| 25.220.2104 | Capacity 100,000 kcal/h, primary circuit max. pressure loss: 2.0 mWC | 4.234,75 | 284,38 |
| 25.220.2105 | Capacity 200,000 kcal/h, primary circuit max. pressure loss: 3.0 mWC | 6.069,38 | 313,63 |
| 25.220.2106 | Capacity 300,000 kcal/h, primary circuit max. pressure loss: 3.0 mWC | 9.538,75 | 333,13 |
| 25.220.2107 | Capacity 400,000 kcal/h, primary circuit max. pressure loss: 3.0 mWC | 11.058,13 | 422,50 |
| 25.220.2108 | Capacity 500,000 kcal/h, primary circuit max. pressure loss: 3.0 mWC | 12.286,63 | 471,25 |
| 25.220.2109 | Capacity 600,000 kcal/h, primary circuit max. pressure loss: 3.0 mWC | 14.111,50 | 490,75 |
| 25.220.2110 | Capacity 700,000 kcal/h, primary circuit max. pressure loss: 4.0 mWC | 14.373,13 | 520,00 |
| 25.220.2111 | Capacity 800,000 kcal/h, primary circuit max. pressure loss: 4.0 mWC | 16.136,25 | 549,25 |
| 25.220.2112 | Capacity 900,000 kcal/h, primary circuit max. pressure loss: 4.0 mWC | 17.075,50 | 559,00 |
| 25.220.2113 | Capacity 1,000,000 kcal/h, primary circuit max. pressure loss: 4 mWC | 18.586,75 | 568,75 |
| **25.220.2200** | **Plate Exchanger for the Heating Line**<br>Supply and installation of plate heat exchangers with primary circuit inlet temperature of 90-70° C and secondary circuit inlet temperature of 60-80°C . | | |
| 25.220.2201 | Capacity: 20,000 kcal/h, Primary Circuit loss Max. 0.5 mWC | 4.221,75 | 235,63 |
| 25.220.2202 | Capacity: 50,000 kcal/h, Primary Circuit loss Max. 1 mWC | 5.135,00 | 255,13 |
| 25.220.2203 | Capacity : 75,000 kcal/h , Primary circuit loss Max. 1.5mWC | 6.191,25 | 274,63 |
| 25.220.2204 | Capacity: 100,000 kcal/h, Primary Circuit loss Max. 2 mWC | 7.112,63 | 284,38 |
| 25.220.2205 | Capacity: 200,000 kcal/h, Primary Circuit loss Max. 3 mWC | 10.395,13 | 313,63 |
| 25.220.2206 | Capacity: 300,000 kcal/h, Primary Circuit loss Max. 3 mWC | 13.006,50 | 333,13 |
| 25.220.2207 | Capacity: 400,000 kcal/h, Primary Circuit loss Max. 3 mWC | 15.151,50 | 422,50 |
| 25.220.2208 | Capacity: 500,000 kcal/h, Primary Circuit loss Max. 3 mWC | 17.988,75 | 471,25 |
| 25.220.2209 | Capacity: 600,000 kcal/h, Primary Circuit loss Max. 3 mWC | 19.634,88 | 490,75 |
| 25.220.2210 | Capacity: 700,000 kcal/h, Primary Circuit loss Max. 4 mWC | 20.754,50 | 520,00 |
| 25.220.2211 | Capacity: 800,000 kcal/h, Primary Circuit loss Max. 4 mWC | 23.161,13 | 549,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.220.2212 | Capacity: 900,000 kcal/h, Primary Circuit loss Max. 4 mWC | 25.423,13 | 559,00 |
| 25.220.2213 | Capacity: 1,000,000 kcal/h, Primary Circuit loss Max. 4 mWC | 28.132,00 | 568,75 |
| **25.225.1000** | **HEATERS (Radiators): (Unit: m², Materials on construction site: 80%)**<br>All heaters (radiators) shall be manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking. The heaters shall be installed and secured as per TS-1499. | | |
| **25.225.1001** | **A series sectional cast iron radiators with plain surface:**<br>The wet heating surfaces of the radiators manufactured in compliance with the TS EN 442-1 and ISO 185 and released with a CE marking of compliance shall have a wall thickness of min. 2.5 mm. Supply to the work site, and grouping and installation as prescribed in the project design of cast iron radiators composed of primer-coated sections or groups of sections and installed on feet or consoles. (Seals, nipple plugs and reducers to be used for grouping the sections are included in the price. No additional charge shall apply).<br>NOTE: 1- Acceptable tolerances shall be ±0.3 mm for the distance between axes, and ±2 mm for the full length and width.<br>2- They shall be tested and fixed to comply with the thermal power values of 75 C - 65 C (DT= 50°K).<br>3- Cast iron radiators shall be tested for tightness at min. 10 bars in their marketed form (in groups or sections). | | |
| **25.225.1100** | **B series sectional cast iron radiators with plain surface: (TS EN 442-1)**<br>Other specifications are the same as the Item 25.225.1001. | | |
| 25.225.1101 | 70/900 mm | 1.382,26 | 117,81 |
| 25.225.1102 | 160/900 mm | 1.314,34 | 117,81 |
| 25.225.1103 | 110/500 mm | 1.512,89 | 117,81 |
| 25.225.1104 | 160/500 mm | 1.254,25 | 117,81 |
| 25.225.1105 | 220/500 mm | 1.293,44 | 117,81 |
| 25.225.1106 | 160/350 mm | 1.366,59 | 117,81 |
| 25.225.1107 | 70/500 mm | 1.353,53 | 117,81 |
| **25.225.1200** | **Sectional cast iron column radiators: (TS EN 442-1)**<br>Other specifications are the same as the Item 25.225.1001. | | |
| 25.225.1201 | 144/800 mm | 1.417,19 | 117,81 |
| 25.225.1202 | 221/800 mm | 1.382,54 | 117,81 |
| 25.225.1203 | 144/650 mm | 1.394,91 | 117,81 |
| 25.225.1204 | 221/650 mm | 981,59 | 117,81 |
| 25.225.1205 | 144/500 mm | 1.459,26 | 117,81 |
| 25.225.1206 | 221/500 mm | 1.436,99 | 117,81 |
| 25.225.1207 | 144/350 mm | 1.521,14 | 117,81 |
| 25.225.1208 | 221/350 mm | 1.444,41 | 117,81 |
| 25.225.1209 | 144/600 mm | 1.352,84 | 117,81 |
| **25.225.1300** | **Sectional cast iron radiators with flat surface appearance: (TS EN 442)**<br>In following dimensions, forming a flat appearance when grouped. Other specifications are the same as the Item 25.225.1001. | | |
| 25.225.1301 | 99/813 mm | 966,74 | 117,81 |
| 25.225.1302 | 134/813 mm | 833,09 | 117,81 |
| 25.225.1303 | 99/623 mm | 1.001,39 | 117,81 |
| 25.225.1304 | 134/623 mm | 991,49 | 117,81 |
| 25.225.1305 | 99/500 mm | 1.038,51 | 117,81 |
| 25.225.1306 | 134/500 mm | 1.031,09 | 117,81 |
| 25.225.1307 | 170/623 mm | 771,21 | 117,81 |
| 25.225.1308 | 170/813 mm | 763,79 | 117,81 |
| **25.225.1500** | **RADIATOR BRACKETS: (Unit: Qty., Materials on construction site: 60%).** | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.225.1501 | **Radiator wall console: (TS 1107).**<br>Installation of a console made of 25 x 25 x 2-mm T-iron with the end penetrating into the wall pronged and the other end bearing the radiator, and coating with a layer of red lead and two layers of oil paint after installation. Factory-made consoles shall be used with the factory recommendations being followed for aluminum radiators. | 26,41 | 5,63 |
| 25.225.1502 | **Radiator pedestal console: (TS 1107).**<br>Installation and coating with 1 layer of red lead and 2 layers of oil paint of a console made by giving a 25 x 25 x 2.5-mm T-iron a crescent shape and welding it on a 15-mm pronged pipe. | 26,41 | 5,63 |
| 25.225.1503 | **Radiator clamps. (As per TS 1107).**<br>Supply to the work site and installation of radiator clamps of appropriate size and quality, which can be tightened by a slot countersunk screw, with the part penetrating into the wall pronged. One coat of red lead and a coat of oil paint after installation. | 16,51 | 5,63 |
| **25.225.2000** | **Aluminum panel radiators: (Unit: m²). (in compliance with TS EN 442)**<br>Supply as packaged, and installation, including any fittings (consoles, screws, dowel pins, purge valves, blind plugs, and where necessary, console cushion), of the radiators manufactured as a single piece or multiple pieces by pressing under high pressure or welding of aluminum extrusion profiles in compliance with TS EN 573-1/2/3/4 and TS EN 755 to each other after a special thermal treatment and hardening process, with a wall thickness of min. 1.1 mm for wet surfaces and 0.8 mm for convection surfaces, resistance to an operating pressure of 9 bars, thermal powers determined by being tested per TS EN 442, electrostatic coating with anodized and polyester powder paint per TS 4922, which shall be factory-grouped in a single piece. Section width: 40 mm, radiator thickness: 60 to 70 mm | | |
| 25.225.2101 | 300 mm | 859,50 | 90,19 |
| 25.225.2102 | 375 mm | 799,69 | 90,19 |
| 25.225.2103 | 450 mm | 746,06 | 90,19 |
| 25.225.2104 | 525 mm | 735,75 | 90,19 |
| 25.225.2105 | 600 mm | 700,69 | 90,19 |
| 25.225.2106 | 750 mm | 686,25 | 90,19 |
| 25.225.2107 | 825 mm | 682,13 | 90,19 |
| 25.225.2108 | 900 mm | 671,81 | 90,19 |
| 25.225.2109 | 1,000 mm | 653,25 | 90,19 |
| 25.225.2110 | 1,250 mm | 632,63 | 90,19 |
| **25.225.2200** | **Section width: 80 mm, radiator thickness: 30 to 40 mm** | | |
| 25.225.2201 | 300 mm | 931,69 | 90,19 |
| 25.225.2202 | 375 mm | 843,00 | 90,19 |
| 25.225.2203 | 450 mm | 801,75 | 90,19 |
| 25.225.2204 | 525 mm | 719,25 | 90,19 |
| 25.225.2205 | 600 mm | 684,19 | 90,19 |
| 25.225.2206 | 750 mm | 673,88 | 90,19 |
| 25.225.2207 | 825 mm | 673,88 | 90,19 |
| 25.225.2208 | 900 mm | 673,88 | 90,19 |
| 25.225.2209 | 1,000 mm | 673,88 | 90,19 |
| 25.225.2210 | 1,250 mm | 665,63 | 90,19 |
| 25.225.2211 | 1,500 mm | 665,63 | 90,19 |
| 25.225.2212 | 1,750 mm | 665,63 | 90,19 |
| 25.225.2213 | 2,000 mm | 665,63 | 90,19 |
| 25.225.2214 | 2,250 mm | 665,63 | 90,19 |
| **25.225.2300** | **Section width: 80 mm, radiator thickness: 60 to 70 mm** | | |
| 25.225.2301 | 300 mm | 832,69 | 90,19 |
| 25.225.2302 | 375 mm | 814,13 | 90,19 |
| 25.225.2303 | 450 mm | 779,06 | 90,19 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.225.2304 | 525 mm | 737,81 | 90,19 |
| 25.225.2305 | 600 mm | 704,81 | 90,19 |
| 25.225.2306 | 750 mm | 673,88 | 90,19 |
| 25.225.2307 | 825 mm | 636,75 | 90,19 |
| 25.225.2308 | 900 mm | 636,75 | 90,19 |
| 25.225.2309 | 1,000 mm | 636,75 | 90,19 |
| 25.225.2310 | 1,250 mm | 632,63 | 90,19 |
| **25.225.2400** | **Section width: 80 mm, radiator thickness: 100 to 110 mm** | | |
| 25.225.2401 | 300 mm | 805,88 | 90,19 |
| 25.225.2402 | 375 mm | 758,44 | 90,19 |
| 25.225.2403 | 450 mm | 688,31 | 90,19 |
| 25.225.2404 | 525 mm | 655,31 | 90,19 |
| 25.225.2405 | 600 mm | 638,81 | 90,19 |
| 25.225.2406 | 750 mm | 605,81 | 90,19 |
| 25.225.2407 | 825 mm | 601,69 | 90,19 |
| 25.225.2408 | 900 mm | 589,31 | 90,19 |
| 25.225.2409 | 1,000 mm | 574,88 | 90,19 |
| 25.225.2410 | 1,250 mm | 566,63 | 90,19 |
| 25.225.2411 | 1,500 mm | 554,25 | 90,19 |
| 25.225.2412 | 1,750 mm | 554,25 | 90,19 |
| 25.225.2413 | 2,000 mm | 550,13 | 90,19 |
| 25.225.2414 | 2,250 mm | 550,13 | 90,19 |
| **25.225.3000** | **PANEL RADIATORS: (Unit: m)**<br>Supply to the work site as packaged and installation, including fittings, of radiators coated with primer over zinc or iron phosphate and electrostatic powder finish, with TS EN 442-1-compliant structure, heating power proven by a test report of an approved organization, wet surfaces made of cold-rolled sheet metal of Fe P01 quality and minimum 1.11 mm thickness as per TS EN 10130, which shall be tested under minimum 1.3 times its maximum operating pressure (min. 520 kPa) as per TS 442/1, and tested to TS EN 442/2 to determine its thermal power. (Type XY where X is the number of panels and Y is the number of convectors.) | | |
| 25.225.3001 | (Type 10) 300 | 433,69 | 70,69 |
| 25.225.3002 | (Type 10) 400 | 470,81 | 70,69 |
| 25.225.3003 | (Type 10) 500 | 557,44 | 70,69 |
| 25.225.3004 | (Type 10) 600 | 621,38 | 70,69 |
| 25.225.3005 | (Type 10) 750 | 705,94 | 70,69 |
| 25.225.3006 | (Type 10) 800 | 780,19 | 70,69 |
| 25.225.3007 | (Type 10) 900 | 821,44 | 70,69 |
| 25.225.3008 | (Type 11) 300 | 547,13 | 70,69 |
| 25.225.3009 | (Type 11) 400 | 621,38 | 70,69 |
| 25.225.3010 | (Type 11) 500 | 695,63 | 70,69 |
| 25.225.3011 | (Type 11) 600 | 821,44 | 70,69 |
| 25.225.3012 | (Type 11) 750 | 934,88 | 70,69 |
| 25.225.3013 | (Type 11) 800 | 1.081,31 | 70,69 |
| 25.225.3014 | (Type 11) 900 | 1.089,56 | 70,69 |
| 25.225.3015 | (Type 21) 300 | 778,13 | 70,69 |
| 25.225.3016 | (Type 21) 400 | 879,19 | 70,69 |
| 25.225.3017 | (Type 21) 500 | 990,56 | 70,69 |
| 25.225.3018 | (Type 21) 600 | 1.128,75 | 70,69 |

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| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.225.3019 | (Type 21) | 750 | 1.293,75 | 70,69 |
| 25.225.3020 | (Type 21) | 800 | 1.365,94 | 70,69 |
| 25.225.3021 | (Type 21) | 900 | 1.566,00 | 70,69 |
| 25.225.3022 | (Type 22) | 300 | 893,63 | 70,69 |
| 25.225.3023 | (Type 22) | 400 | 1.044,19 | 70,69 |
| 25.225.3024 | (Type 22) | 500 | 1.250,44 | 70,69 |
| 25.225.3025 | (Type 22) | 600 | 1.380,38 | 70,69 |
| 25.225.3026 | (Type 22) | 750 | 1.621,69 | 70,69 |
| 25.225.3027 | (Type 22) | 800 | 1.889,81 | 70,69 |
| 25.225.3028 | (Type 22) | 900 | 1.922,81 | 70,69 |
| 25.225.3029 | (Type 33) | 300 | 1.153,50 | 70,69 |
| 25.225.3030 | (Type 33) | 400 | 1.401,00 | 70,69 |
| 25.225.3031 | (Type 33) | 500 | 1.629,94 | 70,69 |
| 25.225.3032 | (Type 33) | 600 | 1.788,75 | 70,69 |
| 25.225.3033 | (Type 33) | 750 | 2.118,75 | 70,69 |
| 25.225.3034 | (Type 33) | 800 | 2.401,31 | 70,69 |
| 25.225.3035 | (Type 33) | 900 | 2.607,56 | 70,69 |
| **25.225.4000** | **Bathroom-type Aluminum Towel Heater Rails: (Unit: Qty.)**<br>Plain-coated, oval bathroom towel heater rails with structure tested under min. 1.3 times the maximum operating pressure as per TS 442-1.<br>Note: If it is made of coated DKP sheet metal, unit prices including installation shall be reduced by 50 percent with the installation fees remaining unchanged.<br>Axle distance (mm) Height (mm) | | | |
| 25.225.4001 | 400-500 | 500 | 555,66 | 60,94 |
| 25.225.4002 | 400-500 | 600 | 651,91 | 60,94 |
| 25.225.4003 | 400-500 | 700 | 661,54 | 60,94 |
| 25.225.4004 | 400-500 | 800 | 728,91 | 60,94 |
| 25.225.4005 | 400-500 | 900 | 792,44 | 60,94 |
| 25.225.4006 | 400-500 | 1000 | 857,89 | 60,94 |
| 25.225.4007 | 400-500 | 1100 | 892,54 | 60,94 |
| 25.225.4008 | 400-500 | 1250 | 921,41 | 60,94 |
| 25.225.4009 | 400-500 | 1500 | 1.394,96 | 60,94 |
| 25.225.4010 | 400-500 | 1750 | 1.541,26 | 60,94 |
| 25.225.4011 | 500-600 | 500 | 734,69 | 60,94 |
| 25.225.4012 | 500-600 | 600 | 840,56 | 60,94 |
| 25.225.4013 | 500-600 | 700 | 886,76 | 60,94 |
| 25.225.4014 | 500-600 | 800 | 983,01 | 60,94 |
| 25.225.4015 | 500-600 | 900 | 1.150,49 | 60,94 |
| 25.225.4016 | 500-600 | 1000 | 1.339,14 | 60,94 |
| 25.225.4017 | 500-600 | 1100 | 1.383,41 | 60,94 |
| 25.225.4018 | 500-600 | 1250 | 1.437,31 | 60,94 |
| 25.225.4019 | 500-600 | 1500 | 1.733,76 | 60,94 |
| 25.225.4020 | 500-600 | 1750 | 1.841,56 | 60,94 |
| 25.225.4021 | 600-700 | 500 | 800,14 | 60,94 |
| 25.225.4022 | 600-700 | 600 | 927,19 | 60,94 |
| 25.225.4023 | 600-700 | 700 | 963,76 | 60,94 |
| 25.225.4024 | 600-700 | 800 | 1.054,24 | 60,94 |
| 25.225.4025 | 600-700 | 900 | 1.339,14 | 60,94 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.225.4026 | 600-700 1000 | 1.452,71 | 60,94 |
| 25.225.4027 | 600-700 1100 | 1.498,91 | 60,94 |
| 25.225.4028 | 600-700 1250 | 1.589,39 | 60,94 |
| 25.225.4029 | 600-700 1500 | 1.793,44 | 60,94 |
| 25.225.4030 | 600-700 1750 | 2.005,19 | 60,94 |
| **25.230.1000** | **RADIATOR VALVE: (Unit: Qty., Materials on construction site: 60%).**<br>Supply to the work site and installation of radiator valves and connection bushes (with connection bushes for thermostat heads and adapters for those with a thermostat) in compliance with TS EN 215 or TS 579. | | |
| **25.230.1100** | **Straight radiator valve: (TS 579).** | | |
| 25.230.1101 | Ø15 mm (1/2″) | 78,54 | 24,38 |
| 25.230.1102 | Ø20 mm (3/4″) | 113,75 | 24,38 |
| **25.230.1200** | **Corner-type radiator valve: (TS 579).** | | |
| 25.230.1201 | Ø15 mm (1/2″) | 72,28 | 24,38 |
| 25.230.1202 | Ø20 mm (3/4″) | 106,43 | 24,38 |
| **25.230.1300** | **Straight thermostatic radiator valves: (TS EN 215)** | | |
| 25.230.1301 | Ø15 mm (1/2″) | 170,95 | 24,38 |
| **25.230.1400** | **Corner-type thermostatic radiator valves: (TS EN 215)** | | |
| 25.230.1401 | Ø15 mm (1/2″) | 138,78 | 24,38 |
| **25.230.1500** | **Straight radiator return valve: (TS 579)** | | |
| 25.230.1501 | Ø15 mm (1/2″) | 64,41 | 24,38 |
| 25.230.1502 | Ø20 mm (3/4″) | 86,05 | 24,38 |
| **25.230.1600** | **Corner-type radiator return valve: (TS 579)** | | |
| 25.230.1601 | Ø15 mm (1/2″) | 69,43 | 24,38 |
| 25.230.1602 | Ø20 mm (3/4″) | 95,34 | 24,38 |
| **25.230.2000** | **RADIATOR BUSHING: (Unit: Qty., Materials on construction site: 60%).**<br>Supply to the work site and installation of a radiator bushing with quality certificate, in compliance with TS-579, and of the type and quality approved by the administration. | | |
| **25.230.2100** | **Straight radiator bushing: (TS 579).** | | |
| 25.230.2101 | Ø15 mm (1/2″) | 54,05 | 24,38 |
| 25.230.2102 | Ø20 mm (3/4″) | 69,24 | 24,38 |
| 25.230.2103 | Ø25 mm (1″) | 92,30 | 24,38 |
| **25.230.2200** | **Corner-type radiator bushing: (TS 579).** | | |
| 25.230.2201 | Ø15 mm (1/2″) | 66,38 | 24,38 |
| 25.230.2202 | Ø20 mm (3/4″) | 81,58 | 24,38 |
| 25.230.2203 | Ø25 mm (1″) | 114,65 | 24,38 |
| **25.230.3000** | **RADIATOR BLEED VALVE: (Unit: Qty., Materials on construction site: 60%).**<br>Supply to the work site and installation of a bleed valve with bakelite flywheel or made of hard PVC, complete with a flush-mounted switch, blind plug and floater, and of a type and quality to be approved by the administration and awarded a quality certificate. | | |
| 25.230.3001 | Bleed valve with a flush-mounted switch. | 19,51 | 14,06 |
| **25.230.4000** | **Radiator Connection Pipe: (Unit: Qty.)**<br>Supply and installation of a chrome-plated brass radiator connection pipe with nipples and bushes for use between the heating installation coming out of the floor and the inlet valve of the radiator. | | |
| 25.230.4001 | 400-mm long | 40,08 | 8,44 |
| 25.230.4002 | 500-mm long | 42,23 | 8,44 |
| 25.230.4003 | 600-mm long | 45,44 | 8,44 |
| 25.230.4004 | 900-mm long | 53,66 | 8,44 |
| **25.235.1000** | **Straight-tube Unitary Radiant Heater: (Unit: Qty., Materials on construction site: 80%).** | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Supply to the work site and delivery in working order of a vacuum- or blow-type radiant heater manufactured in compliance with the TS EN 416-1 standard, the Directive (2016/426/EU) Appliances Burning Gaseous Fuels, Regulation (EU) No.305/2011 Construction Products - CPR, and released with a CE marking of compliance, equipped with a gas burner, a flame tube made of stainless steel SS or titanium alloy aluminized steel resistant to extreme temperatures and connected to the burner; thermally-treated aluminized radiant pipes; aluminum reflectors, stainless steel SS couplings and turbulator, galvanized pipes and reflector brackets (with suspension materials), and a vacuum fan resistant to extreme temperatures (250°C) to aspire the burning air and burning products from the burner and discharge them through the exhaust pipe. | | |
| 25.235.1001 | Straight-tube unitary radiant heater with 15 kW nominal power, 300-cm flame tube, min. 300-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 25.142,88 | 1.547,88 |
| 25.235.1002 | Straight-tube unitary radiant heater with 20 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 26.684,08 | 1.810,33 |
| 25.235.1003 | Straight-tube unitary radiant heater with 25 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 28.342,83 | 2.045,95 |
| 25.235.1004 | Straight-tube unitary radiant heater with 30 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 29.387,75 | 2.204,00 |
| 25.235.1005 | Straight-tube unitary radiant heater with 35 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 30.701,81 | 2.321,81 |
| 25.235.1006 | U-tube unitary radiant heater with 40 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 32.639,81 | 2.506,69 |
| 25.235.1007 | Straight-tube unitary radiant heater with 45 kW nominal power, 300-cm flame tube, min. 1200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 34.525,44 | 2.742,31 |
| 25.235.1008 | Straight-tube unitary radiant heater with 50 kW nominal power, 300-cm flame tube, min. 1200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 35.241,64 | 3.004,76 |
| 25.235.1009 | Straight-tube unitary radiant heater with 55 kW nominal power, 300-cm flame tube, min. 1500-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 37.366,28 | 3.149,40 |
| **25.235.2000** | **U-tube Unitary Radiant Heater: (Unit: Qty., Materials on construction site: 80%).**<br>Supply to the work site and delivery in working order of a vacuum- or blow-type radiant heater manufactured in compliance with the TS EN 416-1 standard, the Directive (2016/426/EU) Appliances Burning Gaseous Fuels, Regulation (EU) No.305/2011 Construction Products - CPR, and released with a CE marking of compliance, equipped with a gas burner, a flame tube made of stainless steel SS or titanium alloy aluminized steel resistant to extreme temperatures and connected to the burner; thermally-treated aluminized radiant pipes; aluminum reflectors, stainless steel SS couplings and turbulator, galvanized pipes and U-elbow reflector brackets (with suspension materials), and a vacuum fan resistant to extreme temperatures (250°C) to aspire the burning air and burning products from the burner and discharge them through the exhaust pipe. | | |
| 25.235.2001 | U-tube unitary radiant heater with 15 kW nominal power, 300-cm flame tube, min. 300-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 28.030,38 | 1.547,88 |
| 25.235.2002 | U-tube unitary radiant heater with 20 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 29.654,08 | 1.810,33 |
| 25.235.2003 | U-tube unitary radiant heater with 25 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 31.127,20 | 2.045,95 |
| 25.235.2004 | U-tube unitary radiant heater with 30 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 32.275,25 | 2.204,00 |
| 25.235.2005 | U-tube unitary radiant heater with 35 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | 33.527,44 | 2.321,81 |

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| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| 25.235.2006 | U-tube unitary radiant heater with 40 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | | | 33.939,19 | 2.506,69 |
| 25.235.2007 | U-tube unitary radiant heater with 45 kW nominal power, 300-cm flame tube, min. 1200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | | | 36.051,69 | 2.742,31 |
| 25.235.2008 | U-tube unitary radiant heater with 50 kW nominal power, 300-cm flame tube, min. 1200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | | | 36.747,26 | 3.004,76 |
| 25.235.2009 | U-tube unitary radiant heater with 55 kW nominal power, 300-cm flame tube, min. 1500-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors. | | | 37.510,65 | 3.149,40 |
| **25.240.1000** | **HALL-TYPE HEATING DEVICES: (Unit: Qty., Materials on construction site: 80%), (quality certified by TSE)** | | | | |
| **25.240.1100** | **Radial fan heaters (Wall-mounted).**<br>Supply to the work site and installation of a wall-mountable heating device running on hot water, superheated water and steam without any noise or vibration and certified for quality, directly coupled with a 1,500-rpm electric motor with internal or mixed air absorption, equipped with a statically and dynamically balanced fan, an dip galvanized heater, an adjustable air blowing vent driven by a min. 1.5-meter-long chain, a casing with a wire mesh iron opening coated with gun-sprayed synthetic paint. The thermal power during operation with air absorption at 15°C and with hot water at 90/70°C shall be taken as basis. If the heater is made of drawn pipes or copper pipes with aluminum fins, unit prices shall be raised by 30 percent and the installation fees shall remain the same without any increase. | | | | |
| | Thermal Power kcal/h | Amount of Maximum Air m³/h | | | |
| 25.240.1101 | 5,000 | 1,300 | | 6.807,50 | 186,88 |
| 25.240.1102 | 6,000 | 1,300 | | 6.828,13 | 186,88 |
| 25.240.1103 | 8,000 | 1,500 | | 7.137,50 | 186,88 |
| 25.240.1104 | 10,000 | 1,500 | | 7.544,38 | 284,38 |
| 25.240.1105 | 12,000 | 2,500 | | 7.977,50 | 284,38 |
| 25.240.1106 | 16,000 | 3,000 | | 9.978,13 | 284,38 |
| 25.240.1107 | 20,000 | 3,000 | | 10.851,88 | 333,13 |
| 25.240.1108 | 24,000 | 4,000 | | 12.192,50 | 333,13 |
| 25.240.1109 | 28,000 | 4,000 | | 12.357,50 | 333,13 |
| 25.240.1110 | 32,000 | 5,000 | | 13.114,38 | 471,25 |
| 25.240.1111 | 40,000 | 5,500 | | 17.610,63 | 471,25 |
| 25.240.1112 | 50,000 | 6,000 | | 18.889,38 | 471,25 |
| 25.240.1113 | 60,000 | 8,000 | | 20.209,38 | 471,25 |
| **25.240.1200** | **Axial fan heaters:**<br>Ceiling- or wall-mounted heater with axial and 1500 rpm fan, which shall be awarded a quality certificate with the other specifications similar to the item 25.240.1100. The thermal power provided while operating with internal air suction and with 90-70°C at 18 C shall be taken as basis for the price. If the heater is made of drawn pipes, the unit price including installation shall be raised by 30 percent or if copper pipes with aluminum fins are used, the unit price including installatio shall be raised by 20 percent and the installation fees shall remain the same without any increase. The fittings required for installation shall be paid separately based on the relevant unit prices. (50 percent of the installation fee shall be charged extra for ceiling-mounted types.) | | | | |
| | Thermal Power KW | Thermal Power kcal/h | Amount of Maximum Air m³/h | | |
| 25.240.1201 | 4.5 | 4,000 | 900 | 4.180,63 | 138,13 |
| 25.240.1202 | 6.9 | 6,000 | 900 | 4.386,88 | 138,13 |
| 25.240.1203 | 9.3 | 8,000 | 1,100 | 4.551,88 | 138,13 |
| 25.240.1204 | 11.6 | 10,000 | 1,200 | 5.742,50 | 235,63 |
| 25.240.1205 | 13.9 | 12,000 | 1,600 | 6.051,88 | 235,63 |
| 25.240.1206 | 18.6 | 16,000 | 2,000 | 6.608,75 | 235,63 |
| 25.240.1207 | 23 | 20,000 | 2,000 | 7.675,63 | 333,13 |

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| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| 25.240.1208 | 28 | 24,000 | 3,000 | 7.881,88 | 333,13 |
| 25.240.1209 | 32.5 | 28,000 | 3,000 | 8.954,38 | 333,13 |
| 25.240.1210 | 37 | 32,000 | 3,600 | 9.889,38 | 422,50 |
| 25.240.1211 | 45 | 40,000 | 4,400 | 11.910,63 | 422,50 |
| 25.240.1212 | 58 | 50,000 | 5,000 | 13.568,13 | 471,25 |
| **25.245.1000** | **COLLECTOR:** | | | | |
| **25.245.1100** | **Collector pipe: (Unit: m)**<br>Plugging two ends of a welded pipe of the required length with convex sheet metal with the same wall thickness as the pipe, forming a collector with a uniform outlet fit for welding of flanged pipes sized to comply with the Turkish Standards by making holes smaller in diameter than the pipe outlets and inflating such holes outwards by heat, welding sleeves for such equipment as manometers, hydrometers, thermometers and drain valves, and installation on such locations as boilers, walls, etc. | | | | |
| 25.245.1101 | Ø 57/3.0 mm | welded pipe | | 155,46 | 19,50 |
| 25.245.1102 | Ø 83/3.25 mm | welded pipe | | 268,33 | 48,75 |
| 25.245.1103 | Ø 108/3.71 mm | welded pipe | | 378,44 | 48,75 |
| 25.245.1104 | Ø 133/4.0 mm | welded pipe | | 490,15 | 58,50 |
| 25.245.1105 | Ø 159/4.5 mm | welded pipe | | 662,60 | 78,00 |
| 25.245.1106 | Ø 219/4.5 mm | welded pipe | | 775,06 | 87,75 |
| 25.245.1107 | Ø 273/5.0 mm | welded pipe | | 1.060,25 | 107,25 |
| 25.245.1108 | Ø 324/5.6 mm | welded pipe | | 1.397,40 | 126,75 |
| 25.245.1109 | Ø 407/6.3 mm | welded pipe | | 1.923,00 | 126,75 |
| **25.245.1200** | **Collector pipe, made of drawn steel pipe: (Unit: m) Other specifications shall be the same as the item 25.245.1100.** | | | | |
| 25.245.1201 | Ø57/2.9 mm patent drawn steel pipe collector | | | 193,35 | 19,50 |
| 25.245.1202 | Ø82.5/3.2 mm patent drawn steel pipe collector | | | 303,09 | 48,75 |
| 25.245.1203 | Ø108/3.6 mm patent drawn steel pipe collector | | | 405,10 | 48,75 |
| 25.245.1204 | Ø133/4.0 mm patent drawn steel pipe collector | | | 567,66 | 87,75 |
| 25.245.1205 | Ø159/4.5 mm patent drawn steel pipe collector | | | 737,21 | 87,75 |
| 25.245.1206 | Ø219/5.9 mm patent drawn steel pipe collector | | | 1.265,99 | 87,75 |
| 25.245.1207 | Ø267/6.3 mm patent drawn steel pipe collector | | | 1.649,33 | 97,50 |
| 25.245.1208 | Ø324/7.1 mm patent drawn steel pipe collector | | | 2.178,10 | 97,50 |
| 25.245.1209 | Ø419/10 mm patent drawn steel pipe collector | | | 4.005,80 | 97,50 |
| **25.245.2000** | **Collector stubs: (Unit: Qty., Materials on construction site: 40%).**<br>Welding, and coating with two layers of red lead and two layers of oil paint, of flanged stubs prepared to fit the collector pipe described in the item 25.245.1100, the relevant project and Turkish Standards. | | | | |
| 25.245.2001 | Stub diameter | Ø15 mm | | 36,75 | 14,06 |
| 25.245.2002 | Stub diameter | Ø20 mm | | 55,11 | 14,06 |
| 25.245.2003 | Stub diameter | Ø25 mm | | 56,76 | 14,06 |
| 25.245.2004 | Stub diameter | Ø32 mm | | 90,38 | 14,06 |
| 25.245.2005 | Stub diameter | Ø40 mm | | 104,59 | 22,50 |
| 25.245.2006 | Stub diameter | Ø50 mm | | 115,94 | 22,50 |
| 25.245.2007 | Stub diameter | Ø65 mm | | 145,21 | 22,50 |
| 25.245.2008 | Stub diameter | Ø80 mm | | 167,35 | 28,13 |
| 25.245.2009 | Stub diameter | Ø100 mm | | 170,44 | 28,13 |
| 25.245.2010 | Stub diameter | Ø125 mm | | 217,31 | 33,75 |
| 25.245.2011 | Stub diameter | Ø150 mm | | 264,75 | 33,75 |
| 25.245.2012 | Stub diameter | Ø200 mm | | 332,81 | 33,75 |
| 25.245.2013 | Stub diameter | Ø250 mm | | 492,56 | 45,00 |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.245.2014 | Stub diameter Ø300 mm | 525,56 | 45,00 |
| **25.245.3100** | **1" Collector With Mini Ball Valve: (Unit: Qty.)**<br>The supply to the work site and installation of the collector (1 piece) of brass material used in the heating systems for the distribution or collection of the fluid.<br>Note: The collector shall be provided with the outlet connection Ø16x2 mm and with valves. | | |
| 25.245.3101 | With 2 outlets | 211,68 | 31,20 |
| 25.245.3102 | With 3 outlets | 292,05 | 32,18 |
| 25.245.3103 | With 4 outlets | 378,56 | 34,13 |
| 25.245.3104 | With 5 outlets | 459,75 | 39,00 |
| 25.245.3105 | With 6 outlets | 539,63 | 48,75 |
| 25.245.3106 | With 7 outlets | 621,56 | 58,50 |
| 25.245.3107 | With 8 outlets | 713,06 | 63,38 |
| 25.245.3108 | With 9 outlets | 784,05 | 66,30 |
| 25.245.3109 | With 10 outlets | 864,38 | 68,25 |
| 25.245.3110 | With 11 outlets | 968,25 | 73,13 |
| 25.245.3111 | With 12 outlets | 1.039,13 | 78,00 |
| **25.250.2100** | **THERMOMETER: (Unit: Qty.)**<br>Supply to the work site and installation in designated locations as per the relevant project of metallic thermometers in specified diameters and temperature increments. | | |
| 25.250.2101 | Ø 100 mm, partitioned up to 120°C | 149,16 | 24,38 |
| 25.250.2102 | Ø 100 mm, partitioned up to 250°C | 149,16 | 24,38 |
| 25.250.2103 | Ø 160 mm, partitioned up to 120°C | 271,88 | 24,38 |
| 25.250.2104 | Ø 160 mm, partitioned up to 250°C | 271,88 | 24,38 |
| **25.250.2200** | **HYDROMETER: (Unit: Qty., Materials on construction site: 60%) (TS-617).**<br>- supply to the work site and installation in diameters specified below; easy-to-read dial with large increments, and a needle indicating water pressure; adjustable red needle indicating water level,; complete with a three-way tap. | | |
| 25.250.2201 | Ø100 mm, up to 2.22 ATM (25 mWC). | 124,83 | 24,38 |
| 25.250.2202 | Ø100 mm, up to 4.44 ATM (50 mWC). | 124,83 | 24,38 |
| 25.250.2203 | Ø160 mm, up to 2.22 ATM (25 mWC). | 335,81 | 24,38 |
| 25.250.2204 | Ø160 mm, up to 4.44 ATM (50 mWC). | 335,81 | 24,38 |
| **25.250.2300** | **MANOMETER: (Unit: Qty., Materials on construction site: 60%).**<br>Manometer: Supply to the work site and installation; manufactured in compliance with the TS EN 837-1/3 and TS EN 542 standards and the Directive (2014/68/EU) Pressure Equipment; released with a CE compliance marking; in diameters given below; easy-to-read scale; complete with a three-way tap. | | |
| 25.250.2301 | Ø100 mm, partitioned up to 1 ATM | 125,24 | 24,38 |
| 25.250.2302 | Ø100 mm, partitioned up to 3 ATM | 125,24 | 24,38 |
| 25.250.2303 | Ø100 mm, partitioned up to 5 ATM | 125,24 | 24,38 |
| 25.250.2304 | Ø100 mm, partitioned up to 10 ATM | 125,24 | 24,38 |
| 25.250.2305 | Ø100 mm, partitioned up to 15 ATM | 125,24 | 24,38 |
| 25.250.2306 | Ø160 mm, partitioned up to 3 ATM | 214,13 | 24,38 |
| 25.250.2307 | Ø160 mm, partitioned up to 5 ATM | 214,13 | 24,38 |
| 25.250.2308 | Ø160 mm, partitioned up to 10 ATM | 214,13 | 24,38 |
| 25.250.2309 | Ø160 mm, partitioned up to 15 ATM | 214,13 | 24,38 |
| **25.250.3000** | **Heat Cost Allocators, Electronic (Unit: Qty. Materials on construction site: 80%)**<br>Supply to the work site, programming, installation and delivery in working order, including fittings, of sealed heat cost allocators of TS EN 834 standard, released with CE marking, equipped with two temperature sensors, one providing radiator surface reading, and the other, room temperature reading, and a housing that contains all components including the calculating and display modules, which shall run on mains and battery power, store | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | consumption readings on its memory for min. 12 months, allow such reading to be viewed on its display, capable of operating at an ambient temperature of 0 -50°C, and can be installed on any type of radiator. | | |
| 25.250.3100 | **Heat Cost Allocator with Radio Module: (Unit: Qty. Materials on construction site: 80%)**<br>Fulfilling TS EN 834 Standards, released with a CE compliance marking, electric-operated, transferring data by a radio module, allowing reading from outside the building, with other specifications the same as the item 25.250.3000. | 620,06 | 28,13 |
| 25.250.4000 | **Heat Meter (Calorimeter): (Unit: Qty. Materials on construction site: 80%)**<br>Programming, supply to the work site with fittings, and delivery in working order, of a sealed calorimeter of TS EN 1434-1/2/3/4/5 standard, with a compact or split structure, optical interface and M-bus, RF firmware, minimum class 3 measuring precision, a measuring range of 5 C and 120°C, replaceable batteries (including a 5-meter cable for a 6-meter split type calculation unit for installation) which shall be certified with AT Type Approval, made up of a flow rate unit of measure (flowmeter), electronic calculation unit and temperature sensors of DIN EN 60751 standard, in PN 16 pressure class, and used under A or C environmental conditions. | 795,38 | 28,13 |
| **25.250.4100** | **Mechanical Heat Meter, for the Heating Line:** | | |
| 25.250.4101 | Nominal flow rate: 0.6 m³/h, DN15 | 1.923,38 | 195,00 |
| 25.250.4102 | Nominal flow rate: 1.5 m³/h, DN15-20 | 1.937,81 | 195,00 |
| 25.250.4103 | Nominal flow rate: 2.5 m³/h, DN20-25 | 2.084,25 | 195,00 |
| 25.250.4104 | Nominal flow rate: 3.5 m³/h, DN20-25 | 5.227,50 | 195,00 |
| 25.250.4105 | Nominal flow rate: 6.0 m³/h, DN25-32 | 5.428,13 | 292,50 |
| 25.250.4106 | Nominal flow rate: 10.0 m³/h, DN40 | 8.790,00 | 292,50 |
| 25.250.4107 | Nominal flow rate: 15.0 m³/h, DN50 | 9.883,13 | 292,50 |
| 25.250.4108 | Nominal flow rate: 25.0 m³/h, DN65 | 13.781,25 | 292,50 |
| 25.250.4109 | Nominal flow rate: 40.0 m³/h, DN80 | 17.281,88 | 390,00 |
| 25.250.4110 | Nominal flow rate: 60.0 m³/h, DN100 | 19.571,25 | 390,00 |
| **25.250.4200** | **Mechanical Heat Meter, Radio Frequency, for Heating Lines;** | | |
| 25.250.4201 | Nominal flow rate: 0.6 m³/h, DN15-20 | 2.278,13 | 195,00 |
| 25.250.4202 | Nominal flow rate: 1.5 m³/h, DN15-20 | 2.574,38 | 243,75 |
| 25.250.4203 | Nominal flow rate: 2.5 m³/h, DN20-25 | 2.595,00 | 243,75 |
| 25.250.4204 | Nominal flow rate: 3.5 m³/h, DN20-25 | 5.523,75 | 243,75 |
| 25.250.4205 | Nominal flow rate: 6.0 m³/h, DN25-32 | 6.100,50 | 292,50 |
| 25.250.4206 | Nominal flow rate: 10.0 m³/h, DN40 | 9.388,13 | 292,50 |
| **25.250.4300** | **Mechanical Heat Meter, for the Cooling Line:**<br>Suitable for use on a cooling system - chiller line, protected against formation of condensed water, other specifications same as the item 25.250.4000, unit prices including installation 25 percent increased over the item 25.250.4100, installation fees remaining the same. | | |
| **25.250.4400** | **Mechanical Heat Meter with Radio Frequency, for Cooling Lines;**<br>Suitable for use on a cooling system - chiller line, protected against formation of condensed water, other specifications same as the item 25.250.4000, unit prices including installation 25 percent increased over the item 25.250.4200, installation fees remaining the same. | | |
| **25.250.4500** | **Ultrasonic Heat Meter, for the Heating Line:** | | |
| 25.250.4501 | Nominal flow rate: 0.6 m³/h, DN15 | 2.566,88 | 195,00 |
| 25.250.4502 | Nominal flow rate: 1.5 m³/h, DN15-20 | 2.656,88 | 243,75 |
| 25.250.4503 | Nominal flow rate: 2.5 m³/h, DN20-25 | 3.069,38 | 243,75 |
| 25.250.4504 | Nominal flow rate: 3.5 m³/h, DN20-25 | 4.616,25 | 243,75 |
| 25.250.4505 | Nominal flow rate: 6.0 m³/h, DN25-32 | 5.201,25 | 292,50 |
| 25.250.4506 | Nominal flow rate: 10.0 m³/h, DN40 | 6.397,50 | 292,50 |
| 25.250.4507 | Nominal flow rate: 15.0 m³/h, DN50 | 10.770,00 | 292,50 |
| 25.250.4508 | Nominal flow rate: 25.0 m³/h, DN65 | 13.528,13 | 390,00 |
| 25.250.4509 | Nominal flow rate: 40.0 m³/h, DN80 | 15.755,63 | 390,00 |
| 25.250.4510 | Nominal flow rate: 60.0 m³/h, DN100 | 18.354,38 | 390,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.250.4600** | **Ultrasonic Heat Meter, for the Cooling Line:**<br>Suitable for use on a cooling system - chiller line, protected against formation of condensed water, other specifications same as the item 25.250.4000, unit prices including installation 25 percent increased over the item 25.250.4500, installation fees remaining the same. | | |
| 25.250.4601 | M-bus communication interface | 621,38 | 97,50 |
| 25.250.4602 | Impulse communication interface | 503,81 | 97,50 |
| 25.250.4603 | Radio communication interface | 555,38 | 97,50 |
| 25.250.4604 | RS232 communication interface | 460,50 | 97,50 |
| **25.255.1000** | **EXPANSION AND VENTILATION TANKS: (Except insulation) (Materials on construction site: 60%).** | | |
| **25.255.1100** | **Open prismatic expansion tank:**<br>Manufacturing an expansion tank with min. 40 x 40 x 4-mm bracket edges and 3-mm iron sheet body, reinforcing the tank with min. 20-mm cross pipes installed inside, installing an overflow receptacle made of 2-mm iron sheet and supports of 10 x 15-cm tarred timber, coating both surfaces of all iron parts with two layers of red lead, installing a hinged top cap with rubber seals that can be opened and closed, and secured with butterfly bolts, installing a vent, and connecting the overflow receptacle to the sewer system (except the price of the pipe and insulation with rock wool with 50 kg/m³ density and min. 5-cm thickness as per its project design.) Installation to the piping with flanges or bushes (depending on the Type Project) (The values are subject to change depending on the tank size). (Iron structures shall be paid per the item 15.550.1202, and other structures shall be paid per their respective items.) | | |
| **25.255.1200** | **Open cylindrical expansion tank, (TS 713):**<br>Supply of an open cylindrical tank fulfilling the size and quality requirements of TS 713, coating of the iron supports with two layers of red lead (the iron support shall not be charged), insulation with rock wool mats with 90 kg/m³ density sewn on min. 5-cm-thick rabitz wire (chlorine content < 10 ppm), supply to the workplace and installation. In case of sheet metal or aluminum plating, extra 80 percent of unit prices including installation shall apply. (Iron structures shall be paid per the item 15.550.1202, and other structures shall be paid per their respective items.) | | |
| **25.255.1250** | **Enclosed expansion tank:**<br>Supply to the work site, coating with two layers of red lead and two layers of oil paint of a cylindrical expansion tank made of steel as per the relevant approved project, equipped with a manhole and water level indicator, safety valve, manometer and pressurized gas connection nozzles. Iron components shall be charged per item 15.550.1202, other components shall be charged per relevant items based on the weight to be calculated as per the project design. | | |
| **25.255.1300** | **Cylindrical ventilation tank (Unit: Qty.,)**<br>Production of a cylindrical ventilation tank made of 3-mm sheet metal with the ends slightly convex and the ratio of length (L) to diameter (d) (L+d) between 2 and 3, installation on consoles, connection to the system with flanges or bushes, coating with two layers of red lead and insulation (Based on the type image). | | |
| 25.255.1301 | 5 L | 140,90 | 14,06 |
| 25.255.1302 | 10 L | 214,13 | 14,06 |
| 25.255.1303 | 20 L | 323,44 | 14,06 |
| 25.255.1304 | 40 L | 457,50 | 14,06 |
| **25.255.2000** | **Steel, airtight expansion tank with replaceable membrane: (Unit: Qty., Materials on construction site: 60%).**<br>Airtight tank housing made of steel material (Min. TS EN 10025-1/2/3/4/5 Fe 37-2) of the size and quality in compliance with TS EN 13831, and equipped with an expansion tank, gas filling valve, valve housing, water filling nozzle, membrane replacement flange, and a membrane resistant to min. 100°C (membrane material: ethyl propylene, butyl, nitrile, natural and styrene-butadiene rubber or their mixtures), which shall be cleaned in a cleaning bath with all surfaces applied phosphate and external surfaces coated by electrostatic method and oven-dried. Steel plate and membrane wall thickness shall be min. 2 mm Supply to the work site and installation of a tank with a gas chamber filled with inert gases (Nitrogen, Helium, etc.).<br>Note: 1- Manufactured to comply with the Directive (PED 2014/68/EU) Pressure Equipment, and released with a CE compliance marking.<br>2- The tank's tightness shall be tested by pressurized water with 1.5 times the minimum operating pressure. Tanks with higher capacity than 50 L shall be equipped with pedestals that allow them to be installed on the floor.<br>At 8 ATM Operating Pressure: | | |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.255.2001 | 25 L | 623,81 | 117,81 |
| 25.255.2002 | 50 L | 1.029,23 | 176,73 |
| 25.255.2003 | 80 L | 1.759,13 | 235,63 |
| 25.255.2004 | 100 L | 1.932,38 | 235,63 |
| 25.255.2005 | 150 L | 2.566,04 | 294,54 |
| 25.255.2006 | 200 L | 3.374,54 | 294,54 |
| 25.255.2007 | 250 L | 3.515,94 | 353,44 |
| 25.255.2008 | 300 L | 4.367,76 | 380,26 |
| 25.255.2009 | 500 L | 6.120,81 | 538,31 |
| 25.255.2010 | 750 L | 8.485,81 | 538,31 |
| 25.255.2011 | 1,000 L | 12.005,81 | 538,31 |
| 25.255.2012 | 1,500 L | 17.946,00 | 841,00 |
| 25.255.2013 | 2,000 L | 26.643,81 | 958,81 |
| 25.255.2014 | 2,500 L | 29.280,44 | 1.092,94 |
| 25.255.2015 | 3,000 L | 41.085,75 | 1.210,75 |
| **25.255.3000** | **Steel, Airtight Expansion Tank with Replaceable Membrane: 10 ATM Operating Pressure.**<br>Other specifications shall be the same as the item 25.255.2000. The unit prices including installation in the item 25.255.2000 shall be raised by 10 percent with the installation fees remaining unchanged. | | |
| **25.255.4000** | **Steel, Airtight Expansion Tank with Replaceable Membrane: 12 ATM Operating Pressure.**<br>Other specifications shall be the same as the item 25.255.2000. The unit prices including installation in the item 25.255.2000 shall be raised by 20 percent with the installation fees remaining unchanged. | | |
| **25.260.1000** | **BALANCE TANK (Unit: Qty.)**<br>Supply to the work site and installation of a balance tank built to ensure thermal balance and hydraulic balance in heating and cooling systems, with maximum water speed of 0.2 m/sec. within the housing depending on the water flow specified in the project design, with water inlets and outlets as specified in the project design, and equipped with air discharge, sensor and drain nozzles, and a perforated sheet metal cell facing the water input nozzle inside the housing, which shall be operab at 110°C and maximum operating pressure of 10 bars. | | |
| **25.260.1100** | **Welded Balance Tank**<br>Flow rate: m³/h Enclosure Diameter Inlet-Outlet Diameter | | |
| 25.260.1101 | 4 m³/h , Ø114 , Ø50 | 1.395,36 | 88,56 |
| 25.260.1102 | 6 m³/h , Ø165 , Ø65 | 1.624,64 | 93,44 |
| 25.260.1103 | 8 m³/h , Ø165 , Ø65 | 2.080,51 | 98,31 |
| 25.260.1104 | 10 m³/h , Ø219 , Ø80 | 2.202,46 | 108,06 |
| 25.260.1105 | 15 m³/h , Ø219 , Ø80 | 3.373,81 | 117,81 |
| 25.260.1106 | 20 m³/h , Ø273 , Ø100 | 4.021,56 | 127,56 |
| 25.260.1107 | 25 m³/h , Ø273 , Ø100 | 5.153,31 | 137,31 |
| 25.260.1108 | 30 m³/h , Ø323 , Ø125 | 6.021,06 | 147,06 |
| 25.260.1109 | 40 m³/h , Ø323 , Ø125 | 7.130,81 | 156,81 |
| 25.260.1110 | 50 m³/h , Ø323 , Ø150 | 8.345,69 | 161,69 |
| 25.260.1111 | 75 m³/h , Ø400 , Ø200 | 10.462,56 | 166,56 |
| 25.260.1112 | 100 m³/h , Ø450 , Ø200 | 12.540,31 | 176,31 |
| **25.260.1200** | **Flanged Balance Tank** | | |
| 25.260.1201 | 4 m³/h, Ø114 , DN50 | 2.003,21 | 117,81 |
| 25.260.1202 | 6 m³/h, Ø165 , DN65 | 2.437,56 | 127,56 |
| 25.260.1203 | 8 m³/h, Ø165 , DN65 | 2.821,31 | 137,31 |
| 25.260.1204 | 10 m³/h, Ø219 , DN80 | 2.941,06 | 147,06 |
| 25.260.1205 | 15 m³/h, Ø219 , DN80 | 4.380,81 | 156,81 |
| 25.260.1206 | 20 m³/h, Ø273 , DN100 | 4.808,56 | 166,56 |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.260.1207 | 25 m³/h, Ø273 , DN100 | 5.720,31 | 176,31 |
| 25.260.1208 | 30 m³/h, Ø323 , DN125 | 6.830,06 | 186,06 |
| 25.260.1209 | 40 m³/h, Ø323 , DN125 | 7.895,81 | 195,81 |
| 25.260.1210 | 50 m³/h, Ø323 , DN150 | 10.193,56 | 205,56 |
| 25.260.1211 | 75 m³/h, Ø400 , DN200 | 13.657,31 | 215,31 |
| 25.260.1212 | 100 m³/h, Ø450, DN200 | 15.603,06 | 225,06 |
| **25.262.1000** | **COATING OF RADIATORS: (Unit: m²)**<br>Coating of the convectors and radiators in two layers above the factory-applied primer, as approved by the administration with oil paint or aluminum paint of desired color and resistant to the temperature of the heater, using a spray gun or brush, after the convectors and radiators are cleaned. | | |
| 25.262.1010 | **Coating of radiators with oil paint:**<br>Coating of heaters with oil paint as described in the item 25.262.1000. | 48,75 | 28,13 |
| **25.264.1000** | **FILLING AND DRAIN TAPS (as per TS 481) (Unit: Qty., Materials on construction site: 60%).**<br>Supply to the work site and installation in designated locations of taps with brass bushes with square opening and closing switches with steel hose connection bushings, and attachment of bushings to the hoses by screw clamps (certified for compliance with the Turkish Standards). | | |
| 25.264.1001 | Ø20 mm (3/4″) | 160,78 | 24,38 |
| 25.264.1002 | Ø25 mm (1″) | 179,48 | 24,38 |
| 25.264.1020 | **Boiler blow-down valve;**<br>Supply and installation of a PN 40-compliant blow-down valve with lever, spring, steel body, cast iron piston, using flanges (quality certified by TSE) Ø40 mm. | 4.673,50 | 97,50 |
| 25.264.1040 | **Boiler drainage and water intake taps;**<br>Supply and installation of a PN 16-40-compliant two-way, cast steel piston tap. Screw or flange connection (quality certified by TSE) Ø15 mm. | 842,95 | 48,75 |
| **25.264.2000** | **WATER LEVEL INDICATOR: (Unit: Qty., Materials on construction site: 60%).**<br>Supply to the work site and installation of a water level indicator with brass or steel enclosure, three-way taps and a glass or Reflex glass tube of appropriate length to show the level of fluid in steam boilers, enclosed expansion tanks or water pressure tanks. (Min. 31-cm-long) | | |
| **25.264.2100** | **For pressures up to 10 ATM: Steel enclosure, Reflex glass, and a valve group with top, bottom and discharge pistons (TS 517).** | | |
| 25.264.2101 | Distance between flanges: 31 cm. | 2.249,00 | 68,25 |
| 25.264.2102 | Distance between flanges: 34 cm. | 2.535,00 | 68,25 |
| 25.264.2103 | Distance between flanges: 37 cm. | 2.884,38 | 78,00 |
| 25.264.2104 | Distance between flanges: 40 cm. | 2.955,88 | 78,00 |
| 25.264.2105 | Distance between flanges: 44 cm. | 3.037,13 | 87,75 |
| 25.264.2106 | Distance between flanges: 51 cm. | 3.770,00 | 87,75 |
| 25.264.2107 | Distance between flanges: 57 cm. | 3.922,75 | 97,50 |
| 25.264.2108 | Distance between flanges: 63 cm. | 4.129,13 | 107,25 |
| 25.264.2109 | Distance between flanges: 69 cm. | 4.468,75 | 107,25 |
| 25.264.2110 | Distance between flanges: 77 cm. | 4.639,38 | 117,00 |
| 25.264.2111 | Distance between flanges: 81 cm. | 5.113,88 | 126,75 |
| 25.264.2112 | Distance between flanges: 90 cm. | 5.373,88 | 136,50 |
| 25.264.2113 | Distance between flanges: 99 cm. | 5.884,13 | 146,25 |
| **25.264.2114** | **For pressures up to 32 ATM: Unit prices in installed form in the item 25.264.2100 and valves with steel enclosures, reflex glasses, and pistons (TS 517) shall be increased by 20% and installation fees shall remain unchanged.** | | |
| **25.264.3000** | **BOILER FEED EQUIPMENT: (Unit: Qty., Materials on construction site: 60%).** | | |
| **25.264.3100** | **Mechanical boiler feed device:**<br>Supply to the work site and installation of a feed device for use in low-pressure steam boilers, with pig-cast enclosure, copper or stainless steel floater, hardened and stonewashed stainless steel needle and valve connected to the floater, and stainless steel valve housing. | | |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.264.3101 | Ø6 mm | 504,56 | 48,75 |
| 25.264.3102 | Ø10 mm | 514,31 | 58,50 |
| 25.264.3103 | Ø15 mm | 643,83 | 68,25 |
| 25.264.3104 | Ø20 mm | 700,05 | 78,00 |
| 25.264.3105 | Ø25 mm | 788,45 | 87,75 |
| 25.264.3106 | Ø30 mm | 821,44 | 97,50 |
| 25.264.3107 | Ø40 mm | 866,94 | 107,25 |
| 25.264.3108 | Ø50 mm | 1.080,46 | 117,00 |
| 25.264.3109 | Ø65 mm | 1.349,40 | 126,75 |
| **25.264.3200** | **Electric boiler feed device: (quality certified by TSE).**<br>Supply to the work site and installation of an electric boiler feed device between the control switch and the breaker for use in steam boilers, with pig-cast enclosure, copper and stainless steel floater, circuit opening and closing water level indicator with mercury switch, strainers for connection to the steam and boiler feed water circuit, not including the antigron cable up to 10 meters. (For boilers of any size). | | |
| 25.264.3201 | Electric boiler feed device. | 1.873,63 | 68,25 |
| 25.264.3202 | Each additional switch for the low water alarm mechanism. (Burner or low water level alarm mechanism for controllers). | 224,66 | 68,25 |
| **25.264.3300** | **Magnetic boiler feed device: (Fully automatic, electric, magnetic, three-function boiler feed device). (Quality certified by TSE).**<br>Supply to the work site, making water, steam and power connections and adjustments, and delivery in working order of a magnetic boiler feed device with a floater housing to control the level of fluid in such devices as the boiler, balance tank and degassing tank under pressure and temperature, a stainless steel floater (flange-connected to the steam and water sections), the part housing the electrical contacts fully protected against the corrosive impact of steam and water, which allows installation of the minimum water level alarm and burner stopper contacts (for each size of boiler). | | |
| 25.264.3301 | 3 Functions (up to 16 ATM) | 2.379,00 | 126,75 |
| 25.264.3302 | 3 Functions (above 16 ATM) | 2.432,63 | 126,75 |
| 25.264.3303 | Extra charge for each additional contact. | 115,05 | 29,25 |
| **25.264.3400** | **Three-function, fully-automatic, electric boiler feed device: (for use in steam boilers) (quality certified by TSE).**<br>Supply, installation in the designated location, and delivery in working order, of an electric, fully automatic boiler supply (feeding) device with thermally-treated special pig-cast housing and connection parts with high carbon, stainless steel blower, floater and three parts that directly contact vapor, equipped with a mercury switch for starting and stopping the feeding water pump (low and high levels of operation) burner control (on and off), an alarm control system and a level stroke with precision settings, including power connection cables made of silicon-insulated braided copper wires resistant to high temperature, a fiber connection terminal block and a porcelain cable fixing group. | | |
| 25.264.3401 | Three functions, up to PN 16 ATM | 2.575,63 | 126,75 |
| **25.264.4000** | **CONDENSATE WATER TANK: (Unit: kg, Materials on construction site: 60%).**<br>Production of a prismatic condensate tank with min. 40 x 40 x 4-mm iron bracket edges and 4-mm iron housing based on the approved project, reinforcement of the tank internally with 25-mm pipes installed diagonally, building a 10-cm-high pedestal with 250 kg/m³ concrete, interior and exterior coating with two layers of red lead, and supply of the condensate tank with a hinged top cap with rubber seals and a vent that can be opened and closed, and secured with butterfly bolts, and installation in the designated location with flanges or bushes (The aforementioned values are subject to change based on the tank size) (Iron components shall be charged per item 15.550.1202, other components shall be charged per relevant items based on the weight to be calculated as per the project design.) | | |
| **25.264.5000** | **BOILER SAFETY SIPHON: (TS 2838).**<br>Supply to the work site and installation of a safety siphon for use in low-pressure steam boilers and manufactured as prescribed in the approved project depending on the boiler pressure and capacity, with 1, 2 or 3 pillars for flanged connection to the boiler, a pipe for filling the overflow tank, filling funnel with 15-mm gate valve, and air bleed valve and bottom valve for turning the water on and off. (The material cost shall be taken 100 percent to be paid per the pipe unit price depending on the size and by kg for the sheet metal components (installation of pipes). | | |
| **25.264.6000** | **BOILER SAFETY ALARM SYSTEM: (Unit: Qty., Materials on construction site: 60%).**<br>Supply to the work site and installation of an adjustable boiler safety alarm system that notifies | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | when water level has dropped below the set lower threshold and steam pressure has risen above the set upper threshold. | | |
| 25.264.6001 | **Water level low alarm system:**<br>Delivery in working order complete with the alarm horn, outlet branch and circuit. | 520,16 | |
| 25.264.6002 | **Maximum pressure alarm system:**<br>Delivery in working order complete with the pressure static burner, alarm horn, outlet branch and circuit. | 670,31 | |
| 25.266.1000 | **Antifreeze Liquid With Corrosion Inhibitor (Unit: kg)**<br>The liquid to be used as antifreeze and corrosion inhibitor for applications such as water heating-cooling in installations with freezing risks shall function in the temperature range of -50 C to +140 C, shall have a corrosion inhibitor, shall be homogeneously mixable with water, the water mixture shall be at least 20%, shall be +20 C in its pure form, density shall be 1.1-1.2 g /cm³, heat transfer coefficient shall be 2.4-2.5 kj/kg, PH shall be 7-8.5, thermal conductivity shall be 0.25- 0.35 W/mK, freezing point shall be -37 C and below in a 50% mixture, kinematic viscosity shall be maximum 4.6 mm²/s in a 50% mixture, and these properties shall be defined according to DIN, EN or TSE standards or analyzed & certified by accredited laboratories. There shall be high-tech inhibitors to protect all metals in heating and cooling systems from corrosion. In tests performed in compliance with ASTMD 1384 or standards obtained from an accredited laboratory (with 50% water mixture), the weight change values (g/m²) of the metals used shall be a max. -1.0 for copper, -1.0 for soft solder, -0.9 for brass, ±0.0 for cast iron, -0.2 for steel, and -0.3 for cast aluminum. The liquid shall not contain nitrites, amines, borates, silicas and phosphates, shall be produced without the use of CMR Substances (carcinogenic, mutagenic and reprotoxic substances), shall contain PH stabilizers, and maximum deviation from the value during system commissioning shall be +-1. The supply and delivery in working order of antifreeze liquid with corrosion inhibitor must comply with the EU' new REACH standards, heat transfer fluid shall be functioning and suitable for operation with pumps, expansion tanks, plate exchangers, plastic and elastomer (Gasket, Oring, EPDM, NBR, etc.) parts of valves. Note: The price is for 1 kg of pure liquid. | 276,56 | 8,44 |
| 25.266.2000 | **Mechanical Installation Flushing (Unit: m³)**<br>Based on the approved project, the operations of static washing, biocide washing, dynamic washing, chemical washing, rinsing and protection to be carried out before the commissioning of the mechanical installation shall be carried out in compliance with BSRIA BG29 or AWWA standards, and all devices shall have discharge points in by-pas line collectors and other relevant locations before connection with the installation. At the end of the seven-day period following the washing process, the last installation water sample shall be within the physical and chemical parameters specified in Table 4 of BSRIA BG29. Pricing will be based on the reported and approved installation volume in the mechanical installation project. | 3.090,91 | 390,00 |
| **25.266.2100** | **Bag filter to be used in washing processes (Unit: Qty.)**<br>Bag filters shall have stainless AISI 304 body, filter range of 1-50 micron, size of at least 20," drainage and bleed valves, easily replaceable filters, operating pressure of 10 bars, iron electrode holder, and these components shall remain in the installation after the washing process. Supply and installation of bag filters in accordance with the project. | | |
| 25.266.2101 | 5 m³/h flow rate | 16.146,00 | 487,50 |
| 25.266.2102 | 10 m³/h flow rate | 18.089,50 | 536,25 |
| 25.266.2103 | 20 m³/h flow rate | 28.934,75 | 585,00 |
| **25.280.1000** | **BURNER, FULLY AUTOMATIC, WITHOUT HEATER (Unit: Qty.: Materials on construction site: 60%)**<br>Manufactured in accordance with TS EN 267:2009+A1 standard, Directive (2006/42/EC) Machinery and Directive (2014/68/EU) Pressure Equipment, released to the market with CE marking, working with Fuel Oil of 342-55 SSU viscosity at 100 F temperature, photocell control timing and pre-sweeping technique in compliance with the data given in the Technical Specification, comprising high voltage ignition transformer for the starting ignition, ignition electrodes and cables, flexible or copper fuel pipes on the burner, air turbulator, magnetic or pressure controlled fuel shut-off valve controlled by photocell relay, air damper, a system to fix the burner to the boiler hatch or to the metal base, complete burner electrical control panel in a steel enclosure comprising the fuses, thermal or magnetic circuit breakers for three-phase motors, starter switch, green and red recessed operation and fault signal lights, cabling and protected against moisture, including the burner nozzle and fuel hoses, electrical cables between the burner and the burner electrical panel laid inside a gas pipe according to the approved design, single phase and three phase, motor starter circuit and contactor via relay to regulate the control in line with the technical specifications according to the appropriate | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | settings for the photocell control timing and pre-purge duration, together with the time delay circuits, rectifiers and other accessories, photocell, photocell relay and photocell light, including all kinds of materials and labor, delivered in complete working order.<br>Note 1 . The ranges specified for the item numbers are essential for the costing and, in the burner selection and supply, the values in the approved design shall be taken into account. | | |
| **25.280.1100** | **Single stage burners without heater, used in normal draft boilers:**<br>Supply and installation of the burner in the work site, of which full utilization capacity is provided by a nozzle or a spray element. | | |
| 25.280.1101 | Up to 50 kW | 11.600,06 | 589,06 |
| 25.280.1102 | Up to 80 kW | 13.108,44 | 589,06 |
| 25.280.1103 | Up to 120 kW | 16.948,81 | 589,06 |
| **25.280.1200** | **Two-stage burners without heater, used in normal draft boilers:**<br>The servo motor controlling the cut-in of the second stage and the damper for the combustion air of the second stage for two separate spray nozzles or for two separate positions of single nozzle and for the fuel required at the utilization capacity of the burner, dual or single magnetic valves controlling two stages, other features the same as item 25.280.1000. | | |
| 25.280.1201 | Up to 200 kW | 24.698,94 | 773,94 |
| 25.280.1202 | Up to 450 kW | 34.317,69 | 822,69 |
| 25.280.1203 | Up to 700 kW | 39.810,81 | 912,06 |
| 25.280.1204 | Up to 1000 kW | 46.671,00 | 1.027,88 |
| 25.280.1205 | Up to 1300 kW | 53.526,00 | 1.076,63 |
| **25.280.2000** | **BURNER, FULLY AUTOMATIC, WITH HEATER (Unit: Qty.: Materials on construction site: 60%)**<br>Manufactured in accordance with TS EN 267:2009+A1 standard, Directive (2006/42/EC) Machinery and Directive (2014/68/EU) Pressure Equipment, introduced to the market with CE marking, (with heater, pump or air compressor), fully automatic, working with Fuel Oil of 100-225 SSU viscosity at 50°C (122°F) temperature for up to 20 kg/h capacity, 40 SFS viscosity at 50°C (122°F) temperature for 20-60 kg/h capacity, 300 SFS viscosity at 50°C (122°F) temperature for above 50 kg/h capacity, securely fixed to the boiler hatch or to the special metal base, dedicated body made of steel plate, aluminum or cast iron, electric motor with appropriate quality and performance on the body, air fan connected to the motor shaft and fuel pump or vane type compressor, air adjustment damper, air turbulator, high voltage transformer for the starting ignition, ignition electrodes and electrode cables, to ensure initial ignition, photocell or photo-resistance, appropriate settings for the photocell control timing and pre-purge duration specified in the Technical Specification.<br>Types with pump: Air adjuster, burner nozzle suitable for the required consumption, magnetic or pressure type fuel shut-off valves (Solenoid), which receive the control from photocell relay according to the type of burner, electric pre-heater to control the atomization temperature to ensure that the atomization comes to a very good state by reducing the viscosity of the fuel and to deliver the fuel at the maximum capacity at least at 50°C temperature and a thermostat to cut-out and to cut-in the pre-heater in order to control the atomization temperature, a fitting to prevent the fuel leakage out of the spray nozzles when the burner is not running or the heater is on, flexible hoses to connect Fuel Oil to interconnecting piping between the heater pump and the nozzle.<br>Types with compressors: Filtered fresh air valve, air and water intake taps, edge filter, electric heater with thermostat control and storage for heater; fuel adjustment hand valve; solenoid valve on filter circuit with hand valve, flexible hose for fuel connection. For both types: Electrical panel protected against humidity, recessed yellow, green and red signal lights on the panel for normal operation and malfunctions, recessed lights for the heater, fuses, suitable thermal and magnetic circuit breakers at amperage suitable for three-phase motors, cable connections for the panel, cabling between the burner and the electrical panel in the gas pipe in accordance with the approved design; some components on the panel may be mounted onto the burner. Single-phase or three-phase, to regulate the control in line with the technical specifications according to the appropriate settings for the photocell control timing and pre-purge duration, together with the time delay circuits, rectifiers and other accessories, photocell, photocell relay and photocell light, including all kinds of materials and labor, delivered in complete working order (price for 5 kg/h will be paid for 1 kg/h-5 kg/h). Prices for the other capacities shall be determined by interpolation (the price for the photocell and its relay shall be included in the price). | | |
| **25.280.2100** | **Single stage burner with heater, used in normal draft boilers:**<br>Supply and installation of the burner on working site of which total fuel utilization capacity is provided from a nozzle or a sprayer on the burner. | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.280.2101 | Up to 50 kW-100 kW | 26.454,19 | 589,06 |
| 25.280.2102 | Up to 140 kW | 27.330,06 | 589,06 |
| **25.280.2200** | **Two-stage burner with heater, used in normal draft boilers:**<br>The servo motor controlling the cut-in of the second stage and the damper for the combustion air of the second stage for two separate spray nozzles or for two separate positions of single nozzle and for the fuel quantity required at the utilization capacity of the burner, dual or single magnetic valves controlling two stages, other features the same as item 25.280.2000. | | |
| 25.280.2201 | 150-250 kW | 35.362,06 | 773,94 |
| 25.280.2202 | Up to 450 kW | 35.804,06 | 822,69 |
| 25.280.2203 | Up to 700 kW | 41.702,81 | 912,06 |
| 25.280.2204 | Up to 1000 kW | 44.946,75 | 1.027,88 |
| 25.280.2205 | Up to 1300 kW | 68.679,88 | 1.076,63 |
| **25.280.3000** | **GAS BURNER (NATURAL GAS-LPG), FULLY AUTOMATIC: (Unit: Qty.: Materials on construction site: 60%)**<br>Manufactured in accordance with the TS EN 676 + A2 standard, Directive 2016/426/AB Appliances Burning Gaseous Fuels, Directive 2006/42/EC on Machinery, Directive 2014/68/AB Pressure Equipment, and released to the market with CE marking, providing the necessary conditions that ensure the combustion by stirring the gas and air under pressure by way of safety elements, combustion head, turbulator, slow opening and fast closing solenoid valve, pressurestat for the min. gas pressure, with air pressurestat, processing unit, ignition electrodes and ionization electrode with the ignition transformer, air fan and motor with the cabling assembly at appropriate capacity, running and fault signal lights, sealing set, pressure regulator, II. Safety solenoid valve, min. air pressure switch and min. Supply and installation of a fully equipped gas burner on the work site to the gas pressurestat, with a flange for connection to the boiler hatch or to the metal base.<br>Note: 1- For capacities above 1,200 kW Max. It shall have the gas pressurestat and the leakage control set.<br>2- In the selection and supply of the burner, the values chosen will be taken into consideration based on the capacity values in the approved design and the counter pressure of the boiler.<br>3- The complete set that is comprised of a ball valve, flexible element, filter and stabilizer is included in the definitions. | | |
| **25.280.3100** | **Single Stage Burners**<br>Supply and installation of the gas burner at the work site with a single-stage solenoid valve to ensure the burner to operate at full capacity.<br>Capacity | | |
| 25.280.3101 | Up to 50 kW | 14.906,94 | 589,06 |
| 25.280.3102 | Up to 80 kW | 15.800,69 | 589,06 |
| 25.280.3103 | Up to 140 kW | 18.553,44 | 589,06 |
| **25.280.3200** | **Two-Stage Burners**<br>Supply to the work site and installation in its designated location of the gas burner together with the 2-stage main solenoid valve, which adjusts the gas flow rate providing 100 percent or 60 percent of the burner full capacity.<br>Capacity | | |
| 25.280.3201 | 50-90 kW | 25.006,31 | 589,06 |
| 25.280.3202 | Up to 200 kW | 26.942,94 | 773,94 |
| 25.280.3203 | Up to 350 kW | 33.308,06 | 793,44 |
| 25.280.3204 | Up to 550 kW | 40.969,94 | 822,69 |
| 25.280.3205 | Up to 700 kW | 44.544,94 | 912,06 |
| 25.280.3206 | Up to 1000 kW | 56.368,88 | 1.027,88 |
| 25.280.3207 | Up to 1300 kW | 67.571,63 | 1.076,63 |
| **25.280.3300** | **Proportional burners (with continuous flame modulation)**<br>Supply to the work site and installation in its designated location of the gas burner with various operating ranges, temperature or pressure sensors, scale and electronic modulation panel, complete with the main solenoid valve, which provides stepless proportional gas flow between 40 percent and 100 percent of the full capacity to respond to changes in the boiler temperature or pressure at narrower (modular) intervals.<br>Capacity | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.280.3301 | Up to 200-300 kW | 44.138,69 | 773,94 |
| 25.280.3302 | Up to 450 kW | 49.210,31 | 822,69 |
| 25.280.3303 | Up to 700 kW | 55.967,06 | 912,06 |
| 25.280.3304 | Up to 1,000 kW | 67.004,50 | 1.027,88 |
| 25.280.3305 | Up to 1250 kW | 77.706,75 | 1.076,63 |
| 25.280.3306 | Up to 1500 kW | 89.282,44 | 1.194,44 |
| 25.280.3307 | Up to 2000 kW | 110.649,19 | 1.379,31 |
| 25.280.3308 | Up to 2750 kW | 129.797,00 | 1.543,88 |
| 25.280.3309 | Up to 3500 kW | 157.891,63 | 1.682,00 |
| **25.282.1000** | **FUEL OIL PUMPS (Unit: Qty.:)**<br>The supply and installation of the fuel pump on the work site complete with the power cable and the components on the control panel with the below given flow rate and pressure for pumping a 220°CFT viscosity heavy oil (corresponds to 600 Redwood 1 second at 30°C or 3,500 Redwood 1 second at 69°C) when driven with a 1,500 RPM engine. | | |
| **25.282.1100** | **3 Atmospheric pressure:** | | |
| 25.282.1101 | 500 L/h | 5.695,63 | 333,13 |
| 25.282.1102 | 1000 L/h | 6.885,13 | 342,88 |
| 25.282.1103 | 2000 L/h | 8.051,06 | 382,69 |
| 25.282.1104 | 3000 L/h | 9.947,44 | 402,19 |
| 25.282.1105 | 4000 L/h | 11.218,60 | 422,10 |
| 25.282.1106 | 6000 L/h | 11.818,23 | 431,85 |
| 25.282.1107 | 10,000 L/h | 13.537,88 | 471,25 |
| **25.282.1200** | **6 Atmospheric pressure:**<br>The unit prices including installation in the item 25.282.1100 shall be raised by 20 percent with the installation fees remaining unchanged. | | |
| **25.282.1300** | **9 Atmospheric pressure:**<br>The unit prices including installation in the item 25.282.1100 shall be raised by 30 percent with the installation fees remaining unchanged. | | |
| **25.282.1400** | **15 Atmospheric pressure:**<br>The unit prices including installation in the item 25.282.1100 shall be raised by 50 percent with the installation fees remaining unchanged. | | |
| **25.282.2000** | **FUEL OIL FILTERS: (Unit: Qty.: Materials on construction site: 60%).** | | |
| **25.282.2100** | **Single Filter:**<br>After the approval of the prospectus, the supply and the installation of the cast steel or cast aluminum fuel filter including the air purge plug (to be mounted later on), min. 600 mesh brass filter element, connectors or flanges. | | |
| 25.282.2101 | Ø15 mm (1/2″) | 351,81 | 56,88 |
| 25.282.2102 | Ø20 mm (3/4″) | 392,93 | 56,88 |
| 25.282.2103 | Ø25 mm (1″) | 480,51 | 56,88 |
| 25.282.2104 | Ø32 mm (1¼″) | 530,56 | 56,88 |
| 25.282.2105 | Ø40 mm (1½″) | 736,13 | 56,88 |
| 25.282.2106 | Ø50 mm (2″) | 764,73 | 56,88 |
| **25.282.2500** | **Electric heater and its thermostat: (TS 5101)**<br>The supply and the installation on work site of immersion type, single-phase or three-phase, threaded or flanged, including the price of the immersion thermostat adjustable up to 120°C; etange electric power table, fuses on the panel, switch and contactor at the required amperage, NYY type or insulated cables in conduit at the required size between the electrical panel and heater and the heater thermostat, excluding other accessories (more than 4 Watt power shall not be applied per cm² of the outer surface. | | |
| 25.282.2501 | 500 Watt | 199,88 | 56,88 |
| 25.282.2502 | 1000 Watt | 227,59 | 56,88 |
| 25.282.2503 | 1500 Watt | 232,94 | 56,88 |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.282.2504 | 2000 Watt | 235,63 | 56,88 |
| 25.282.2505 | 3000 Watt | 273,16 | 56,88 |
| 25.282.2506 | 4000 Watt | 299,98 | 56,88 |
| **25.285.1000** | **CYLINDRICAL FUEL OIL TANKS: (Unit: Qty.: Materials on construction site: 60%)** | | |
| **25.285.1100** | **Main fuel tank with heater: (TS 712)**<br>The supply and installation on work site of the fuel tank, manufactured in accordance with TS 712, cylindrical, dished ends, welded, in accordance with the approved design, comprising sheathed coil heater made of PN-6 grade welded steel pipe placed into the tank to heat up the fuel with hot water or steam, flanges for filling, vent, drain pipes, drain valve, level indicator, with two coats of red lead paint on the outer surface (if a basis made, it's price will be paid separately and the inner surface of the tank will be painted). | | |
| 25.285.1101 | 1000 L | 16.946,25 | 1.576,50 |
| 25.285.1102 | 3,000 L | 26.721,00 | 1.674,00 |
| 25.285.1103 | 5,000 L | 35.011,23 | 2.143,23 |
| 25.285.1104 | 7000 L | 44.084,85 | 2.232,60 |
| 25.285.1105 | 10,000 L | 56.416,48 | 2.609,98 |
| 25.285.1106 | 13,000 L | 68.631,10 | 2.845,60 |
| 25.285.1107 | 16,000 L | 77.545,71 | 3.320,46 |
| 25.285.1108 | 20,000 L | 92.318,46 | 3.515,46 |
| 25.285.1109 | 25,000 L | 126.420,96 | 3.710,46 |
| 25.285.1110 | 30,000 L | 149.326,95 | 4.465,20 |
| 25.285.1111 | 40,000 L | 171.029,70 | 4.660,20 |
| 25.285.1112 | 50,000 L | 204.034,95 | 5.094,45 |
| 25.285.1113 | 60,000 L | 213.680,19 | 5.804,94 |
| 25.285.1114 | 80,000 L | 311.812,80 | 6.892,80 |
| 25.285.1115 | 100,000 L | 358.521,91 | 8.061,91 |
| **25.285.1200** | **Daily fuel tank with heater:**<br>With level indicator in accordance with TS 712, other features the same as item 25.285.1100. | | |
| 25.285.1201 | 100 L | 2.939,80 | 568,75 |
| 25.285.1202 | 200 L | 4.098,38 | 658,13 |
| 25.285.1203 | 300 L | 5.705,63 | 755,63 |
| 25.285.1204 | 400 L | 6.843,38 | 804,38 |
| 25.285.1205 | 500 L | 7.690,06 | 1.007,56 |
| 25.285.1206 | 600 L | 9.570,31 | 1.056,31 |
| 25.285.1207 | 800 L | 14.674,00 | 1.259,50 |
| 25.285.1208 | 1000 L | 20.955,75 | 1.576,50 |
| **25.285.2000** | **Main fuel tank without heater:**<br>Manufactured without heater, other features same as item 25.285.1100, unit prices including installation in item 25.285.1100 are reduced by 10 percent and the installation fees are applied exactly as the same without any reduction. | | |
| **25.285.3000** | **Daily fuel tank without heater:**<br>Manufactured without heater, other features same as item 25.285.1200, unit prices including installation in item 25.285.1200 are reduced by 10 percent and the installation fees are applied exactly as the same without any reduction. | | |
| **25.285.4000** | **Pre-heater tank:**<br>The supply and the installation on work site of a cylindrical tank made of 2 mm thick DKP steel with barrel type upper and lower bases, outer surface painted burner painted to match the color of the burner, with air breather to remove the air, the electrical heater and thermostat of this heater, near to the connectors at the bottom of the tank for connecting the inlet and outlet pipes to the tank, the provision of the pre-heater tank having a Ø15 mm pipe inside to be taken from the upper part of the fuel tank and having a valve for drain (the price of the thermostat and the electric heater will be paid separately). | | |
| 25.285.4001 | 30 L | 734,09 | 117,81 |
| 25.285.4002 | 40 L | 970,50 | 141,38 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.285.4003 | 50 L | 1.077,03 | 188,50 |
| 25.285.4004 | 100 L | 2.104,25 | 235,63 |
| **25.288.1000** | **SMOKE DUCT (Unit: kg., Materials on construction site: 60%)**<br>Production, and connection to the boiler and the flue of a smoke duct made of black sheet metal or masonry with 20 percent larger in section than that of the flue. | | |
| **25.288.1100** | **Sheet metal smoke duct:**<br>Production, coating with flame-retardant paint and installation of sheet metal ducts for the purpose specified in the item 25.288.1000 and per the relevant project, with min. 2-mm-thick round or rectangular section, equipped with cleaning caps for cleaning and maintenance. (Iron structures shall be paid per the item 15.550.1202, and other structures shall be paid per their respective items.) | | |
| **25.288.5000** | **STLESS STEEL FLUE: (Unit: Qty.: m Materials on construction site: 80%)**<br>For metal flues: Supply to the work site, installation by the MYK Flue Installation Staff (Level 3)-certified employees of the Manufacturer or Distributor's Authorized Technical Service, inspection and award of the approval of compliance by the MYK Flue Inspection Staff (Level 4)-certified employees, of a flue manufactured as per the standards TS EN 1856-1, TS EN 1856-2, with a flue pipe, tee pieces, brackets, condensate collector, carrier base, adapter, flue cleaning cap, a second horizontal cap for cleaning where necessary, bellmouth or clamp fitting, a console, leaning and supporting parts to support horizontal and vertical parts, an earthed flue system, material description markings, and matching description tags in the CE certificate of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-2+A1 or TS EN 13384-2+A1. (Unit prices for other values shall be interpolated.)<br>Note: Flue carrier racks, carrier consoles, wire ropes, ladders, steel structures, lighting arresters and holders shall be calculated per the item 15.550.1202. Manufactured to comply with the Regulation (EU) No. 305/2011/EU Construction Products - CPR and released with a CE compliance marking, the flues shall be delivered in working order as installed with connections with all components specified in the approved project completed. The lightning rod is not included in the definition. | | |
| **25.288.5100** | **Single-wall, Stainless Steel Flue:** | | |
| 25.288.5101 | Ø140 | 628,29 | 117,81 |
| 25.288.5102 | Ø150 | 700,34 | 127,56 |
| 25.288.5103 | Ø160 | 752,88 | 127,56 |
| 25.288.5104 | Ø180 | 789,98 | 137,31 |
| 25.288.5105 | Ø200 | 895,31 | 147,06 |
| 25.288.5106 | Ø225 | 999,41 | 156,81 |
| 25.288.5107 | Ø250 | 1.078,23 | 166,56 |
| 25.288.5108 | Ø280 | 1.157,23 | 166,56 |
| 25.288.5109 | Ø300 | 1.285,91 | 176,31 |
| 25.288.5110 | Ø350 | 1.499,78 | 176,31 |
| 25.288.5111 | Ø400 | 1.716,30 | 186,06 |
| 25.288.5112 | Ø450 | 1.924,53 | 186,06 |
| 25.288.5113 | Ø500 | 2.270,11 | 195,81 |
| 25.288.5114 | Ø600 | 2.641,11 | 195,81 |
| 25.288.5115 | Ø700 | 4.005,10 | 205,56 |
| 25.288.5116 | Ø800 | 4.505,31 | 215,31 |
| **25.288.5200** | **Insulated Stainless Steel Flue (Embossed Aluminum Sheet External Coating)**<br>Single-wall flue with 5-cm-thick rock wool insulation plated with embossed aluminum sheet, with the other specifications the same as the item 25.288.5000. If the insulation material is 3-cm-thick rock wool, unit prices in installed form under the item 25.288.5200 shall be reduced by 10 percent and the installation fees shall remain unchanged. | | |
| 25.288.5201 | Ø140 | 891,89 | 174,69 |
| 25.288.5202 | Ø150 | 983,18 | 184,44 |
| 25.288.5203 | Ø160 | 1.050,50 | 184,44 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.288.5204 | Ø180 | 1.132,65 | 194,19 |
| 25.288.5205 | Ø200 | 1.215,34 | 203,94 |
| 25.288.5206 | Ø225 | 1.338,16 | 213,69 |
| 25.288.5207 | Ø250 | 1.412,51 | 223,44 |
| 25.288.5208 | Ø280 | 1.500,15 | 223,44 |
| 25.288.5209 | Ø300 | 1.587,06 | 233,19 |
| 25.288.5210 | Ø350 | 1.800,43 | 233,19 |
| 25.288.5211 | Ø400 | 2.005,41 | 242,94 |
| 25.288.5212 | Ø450 | 2.163,81 | 242,94 |
| 25.288.5213 | Ø500 | 2.486,24 | 252,69 |
| 25.288.5214 | Ø600 | 2.831,50 | 252,69 |
| 25.288.5215 | Ø700 | 4.075,31 | 262,44 |
| 25.288.5216 | Ø800 | 4.747,13 | 272,19 |
| **25.288.5300** | **Insulated Stainless Steel Flue (Stainless Steel External Coating)**<br>Stainless steel plating instead of aluminum sheet plating. Other specifications shall be the same as the item 25.288.5200,<br>Diameter | | |
| 25.288.5301 | Ø140 | 1.025,70 | 235,63 |
| 25.288.5302 | Ø150 | 1.121,25 | 245,38 |
| 25.288.5303 | Ø160 | 1.148,06 | 245,38 |
| 25.288.5304 | Ø180 | 1.261,49 | 255,13 |
| 25.288.5305 | Ø200 | 1.380,28 | 264,88 |
| 25.288.5306 | Ø225 | 1.490,13 | 274,63 |
| 25.288.5307 | Ø250 | 1.598,19 | 284,38 |
| 25.288.5308 | Ø280 | 1.725,10 | 284,38 |
| 25.288.5309 | Ø300 | 1.918,96 | 294,13 |
| 25.288.5310 | Ø350 | 2.171,00 | 294,13 |
| 25.288.5311 | Ø400 | 2.556,13 | 303,88 |
| 25.288.5312 | Ø450 | 2.788,50 | 303,88 |
| 25.288.5313 | Ø500 | 3.137,88 | 313,63 |
| 25.288.5314 | Ø600 | 3.656,25 | 313,63 |
| 25.288.5315 | Ø700 | 5.328,38 | 323,38 |
| 25.288.5316 | Ø800 | 6.053,13 | 333,13 |
| **25.288.5400** | **STAINLESS STEEL OFF-GAS SYSTEM (LAS)**<br>**(Unit: m)**<br>Unit prices in installed form and installation fees in the item 25.288.5100 shall apply. | | |
| **25.288.5500** | **INSULATED CERAMIC FLUE (Unit: m, Materials on construction site: 80%)**<br>For ceramic flues: Supply to the work site, installation by the MYK Flue Installation Staff (Level 3)-certified employees of the Manufacturer or Distributor's Authorized Technical Service, inspection and award of the approval of compliance by the MYK Flue Inspection Staff (Level 4)-certified employees, of a flue manufactured as per the standards TS EN 1457-1, TS EN 13063-1, TS EN 13063-2, with a ceramic flue pipe, flue inlet pipe, a ceramic pipe with a cleaning cover, a ceramic front cover, metal cleaning cover, condensate collector, concrete base, vent grille, heat- and acid-resistant ceramic pipe glue, wedge plate rock wool made to match the section, the exterior flue block and flue cap made of lightweight concrete reinforced with steel for installation of the exterior pipe parts, material description markings on ceramic pipes, and matching description tags in the CE certificate of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-1 or TS EN 13384-2.<br>Note: Fittings between floors, ladders and other steel structure works shall be calculated per the item 15.550.1202. Manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking, the flues shall be | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | delivered in working order as installed with connections with all components specified in the approved project completed. The lightning rod is not included in the definition. | | |
| 25.288.5501 | Ø140 | 1.234,84 | 235,63 |
| 25.288.5502 | Ø160 | 1.389,21 | 264,88 |
| 25.288.5503 | Ø180 | 1.529,13 | 304,69 |
| 25.288.5504 | Ø200 | 1.663,68 | 353,44 |
| 25.288.5505 | Ø225 | 1.807,81 | 422,50 |
| 25.288.5506 | Ø250 | 2.364,38 | 451,75 |
| 25.288.5507 | Ø300 | 2.951,00 | 520,00 |
| 25.288.5508 | Ø350 | 3.432,00 | 589,88 |
| 25.288.5509 | Ø400 | 4.917,25 | 609,38 |
| **25.288.5510** | **UNINSULATED CERAMIC FLUE (Unit: m, Materials on construction site: 80%)**<br>For ceramic flues: Supply to the work site, installation by the MYK Flue Installation Staff (Level 3)-certified employees of the Manufacturer or Distributor's Authorized Technical Service, inspection and award of the approval of compliance by the MYK Flue Inspection Staff (Level 4)-certified employees, of a flue manufactured as per the standards TS EN 1457-1, TS EN 13063-1, with a ceramic flue pipe, flue inlet pipe, a ceramic pipe with a cleaning cover, a ceramic front cover, metal cleaning cover, condensate collector, concrete base, vent grille, heat- and acid-resistant ceramic pipe glue, heat-resistant ceramic thread or rock wool thread, the exterior flue block and flue cap made of lightweight concrete reinforced with steel for installation of the exterior pipe parts, material description markings on ceramic pipes, and matching description tags in the CE certificate of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-2+A1 or TS EN 13384-1+A2.<br>Note: Fittings between floors, ladders and other steel structure works shall be calculated per the item 15.550.1202. Manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking, the flues shall be delivered in working order as installed with connections with all components specified in the approved project completed. The lightning rod is not included in the definition. | | |
| 25.288.5511 | Ø140 | 1.057,88 | 235,63 |
| 25.288.5512 | Ø160 | 1.171,14 | 264,88 |
| 25.288.5513 | Ø180 | 1.287,81 | 304,69 |
| 25.288.5514 | Ø200 | 1.372,31 | 353,44 |
| 25.288.5515 | Ø225 | 1.469,49 | 373,75 |
| 25.288.5516 | Ø250 | 1.999,73 | 451,75 |
| 25.288.5517 | Ø300 | 2.575,63 | 520,00 |
| 25.288.5518 | Ø350 | 3.128,13 | 589,88 |
| 25.288.5519 | Ø400 | 4.524,00 | 609,38 |
| **25.288.5600** | **CERAMIC OFF-GAS SYSTEM (LAS) (Unit: m, Materials on construction site: 80%)**<br>For ceramic flues: Supply to the work site, and installation of a flue manufactured as per the standards TS EN 1457-1, TS EN 13063-1 and TS EN 13063-2+A1, which can be used as the common flue of hermetically-sealed (type C) devices with a ceramic flue pipe, combi boiler connection adapter set, a ceramic pipe with a cleaning cover, a ceramic front cover, metal cleaning cover, condensate collector, concrete base, heat- and acid-resistant ceramic pipe glue, stainless steel distance ring, the exterior flue block and flue cap made of lightweight concrete reinforced with steel for installation of the exterior pipe parts, material description markings on ceramic pipes, and matching description tags on the product bearing a CE marking of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-2+A1 or TS EN TS EN 13384-1+A2.<br>Note: Fittings between floors, ladders and other steel structure works shall be calculated per the item 15.550.1202. Manufactured to comply with the Regulation (EU) No.305/2011 | | |

25.200.-Heating System Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Construction Products - CPR and released with a CE compliance marking, the flues shall be delivered in working order as installed with connections with all components specified in the approved project completed. The lightning rod is not included in the definition. | | |
| 25.288.5601 | Ø140 | 1.256,29 | 235,63 |
| 25.288.5602 | Ø160 | 1.389,21 | 264,88 |
| 25.288.5603 | Ø180 | 1.593,48 | 304,69 |
| 25.288.5604 | Ø200 | 1.720,88 | 353,44 |
| 25.288.5605 | Ø225 | 1.920,43 | 422,50 |
| 25.288.5606 | Ø250 | 2.239,25 | 451,75 |
| 25.288.5607 | Ø300 | 3.469,38 | 520,00 |
| **25.288.5700** | **COMPOSITE-PRIMED FLUE: (Unit: m Materials on construction site: 80%)**<br>For flues: Supply to the work site, installation by MYK Flue Installation Staff (Level 3)-certified employees of the Manufacturer or Distributor's Authorized Technical Service, and inspection and award of the approval of compliance by MYK Flue Inspection Staff (Level 4)-certified employees; manufactured as per the standards TS EN 1443, TS EN 1859, TS EN 14471 and TS EN 13216-1, bearing a G marking of compliance with National Technical Approval (NTA) applicable to the flues with maximum 250°C temperature or a CE marking for compliance with the European Technical Assessment (ETA); system made of materials that fulfill the standards applicable to the flue; flue nameplate placed on a visible spot at the boiler room; flue section and draught calculated and reported as per TS EN13384-1 or TS EN 13384-2. (Unit prices for other values shall be interpolated.)<br>Note: To be manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking. The lightning rod is not included in the definition. | | |
| 25.288.5701 | Ø140 | 987,03 | 166,56 |
| 25.288.5702 | Ø150 | 1.089,73 | 176,31 |
| 25.288.5703 | Ø160 | 1.163,01 | 176,31 |
| 25.288.5704 | Ø180 | 1.244,26 | 186,06 |
| 25.288.5705 | Ø200 | 1.370,20 | 195,81 |
| 25.288.5706 | Ø225 | 1.446,09 | 205,56 |
| 25.288.5707 | Ø250 | 1.486,23 | 215,31 |
| 25.288.5708 | Ø280 | 1.622,08 | 215,31 |
| 25.288.5709 | Ø300 | 1.769,46 | 225,06 |
| 25.288.5710 | Ø350 | 1.842,75 | 225,06 |
| 25.288.5711 | Ø400 | 1.979,41 | 234,81 |
| 25.288.5712 | Ø450 | 2.236,81 | 234,81 |
| 25.288.5713 | Ø500 | 2.764,94 | 244,56 |
| **25.288.5800** | **COMPOSITE FLUE OFF-GAS SYSTEM (LAS): (Unit: linear meter Materials on construction site: 80%)**<br>Unit prices in installed form and installation fees in the item 25.288.5700 shall apply. | | |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# JOINT INSTALLATION
# UNIT PRICES AND DEFINITIONS

2022/3

25.300.-Joint Installation

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| **25.300.1000** | **STEEL PIPES:**<br>The supply to the work site and installation of steel pipes in compliance with the 305/2011/EC Directive on Construction Materials and the 2014/68/EU Directive on Pressure Equipment, released to the market with CE marking, including the pipe laying, pipe connections, labor, excluding the painting in accordance with the relevant specification and project. | | | | |
| **25.300.1100** | **Welded Pipes; (Unit: m)**<br>Threaded in accordance with TS EN 10255 + A1 (material Fe.33) | | | | |
| | Nominal Size Inch | mm | Outer diameter/wall thickness Average | Weight without sleeve kg/m | |
| 25.300.1101 | 1/2″ | 15 | 21.3/2.60 | 1.22 | 51,36 | 18,69 |
| 25.300.1102 | 3/4″ | 20 | 26.9/2.60 | 1.57 | 64,19 | 21,61 |
| 25.300.1103 | 1″ | 25 | 33.7/3.20 | 2.43 | 90,10 | 26,49 |
| 25.300.1104 | 1¼″ | 32 | 42.4/3.20 | 3.13 | 120,50 | 39,33 |
| 25.300.1105 | 1½″ | 40 | 48.3/3.20 | 3.60 | 138,01 | 43,23 |
| 25.300.1106 | 2″ | 50 | 60.3/3.60 | 5.10 | 180,51 | 48,10 |
| 25.300.1107 | 2½″ | 65 | 76.1/3.60 | 6.54 | 220,30 | 52,00 |
| 25.300.1108 | 3″ | 80 | 88.9/4.00 | 8.53 | 275,91 | 56,88 |
| 25.300.1109 | 4″ | 100 | 114.3/4.50 | 12.50 | 394,90 | 60,78 |
| 25.300.1110 | 5″ | 125 | 139.7/5.00 | 17.10 | 503,73 | 65,65 |
| 25.300.1111 | 6″ | 150 | 165.1/5.00 | 20.40 | 598,31 | 73,61 |
| **25.300.1200** | **Welded Black Steam and Boiler Pipes, threadless, in accordance with TS EN 10217-1, 2, 3, 4, 5 (material Fe 33 DKP steel sheet)** | | | | |
| | External diameter/ Wall thickness mm | | Weight kg/m | | |
| 25.300.1201 | 44.5/2.5 | | 2.6 | 122,59 | 42,25 |
| 25.300.1202 | 51/3.0 | | 3.6 | 154,46 | 43,23 |
| 25.300.1203 | 57/3.0 | | 4.0 | 167,80 | 44,20 |
| 25.300.1204 | 60/3.0 | | 4.5 | 184,21 | 45,18 |
| 25.300.1205 | 70/3.0 | | 4.95 | 199,10 | 46,15 |
| 25.300.1206 | 76/3.2 | | 5.45 | 217,48 | 49,08 |
| 25.300.1207 | 83/3.2 | | 6.46 | 250,64 | 51,03 |
| 25.300.1208 | 89/3.6 | | 6.85 | 263,65 | 52,00 |
| 25.300.1209 | 102/3.75 | | 9.1 | 335,13 | 53,95 |
| 25.300.1210 | 108/3.5 | | 9.7 | 357,56 | 57,85 |
| 25.300.1211 | 114/3.75 | | 10.2 | 374,96 | 59,80 |
| 25.300.1212 | 127/4.0 | | 12.2 | 437,74 | 60,78 |
| 25.300.1213 | 133/4.0 | | 12.7 | 453,19 | 60,78 |
| 25.300.1214 | 140/4.0 | | 13.5 | 479,85 | 62,73 |
| 25.300.1215 | 159/4.5 | | 17.2 | 597,10 | 65,65 |
| **25.300.1300** | **Straight-Spiral Welded Pipes: (Material Fe 33) (TS EN 10217-1)** | | | | |
| | Nominal Size inch | | Outer diameter/wall thickness mm/mm | Weight kg/m | | |
| 25.300.1301 | 8″ | | 219.1x4.5 | 23.8 | 691,45 | 66,63 |
| 25.300.1302 | 8″ | | 219.1x5.0 | 26.4 | 759,71 | 66,63 |
| 25.300.1303 | 8″ | | 219.1x5.6 | 29.5 | 841,10 | 66,63 |
| 25.300.1304 | 8″ | | 219.1x6.3 | 33.1 | 935,61 | 66,63 |
| 25.300.1305 | 8″ | | 219.1x7.1 | 37.1 | 1.040,63 | 66,63 |
| 25.300.1306 | 10″ | | 273.0x4.5 | 29.8 | 869,61 | 87,26 |
| 25.300.1307 | 10″ | | 273.0x5.0 | 33.0 | 953,63 | 87,26 |

25.300.-Joint Installation

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| 25.300.1308 | 10″ | 273.0x5.6 | 36.9 | 1.056,00 | 87,26 |
| 25.300.1309 | 10″ | 273.0x6.3 | 41.4 | 1.174,15 | 87,26 |
| 25.300.1310 | 10″ | 273.0x7.1 | 46.6 | 1.310,65 | 87,26 |
| 25.300.1311 | 12″ | 323.9x4.5 | 35.4 | 1.025,40 | 96,04 |
| 25.300.1312 | 12″ | 323.9x5.0 | 39.3 | 1.127,79 | 96,04 |
| 25.300.1313 | 12″ | 323.9x5.6 | 44.0 | 1.251,18 | 96,04 |
| 25.300.1314 | 12″ | 323.9x6.3 | 49.3 | 1.390,31 | 96,04 |
| 25.300.1315 | 12″ | 323.9x7.1 | 55.5 | 1.553,09 | 96,04 |
| 25.300.1316 | 14″ | 355.6x4.5 | 39.0 | 1.140,55 | 116,68 |
| 25.300.1317 | 14″ | 355.6x5.0 | 43.2 | 1.250,81 | 116,68 |
| 25.300.1318 | 14″ | 355.6x5.6 | 48.3 | 1.384,70 | 116,68 |
| 25.300.1319 | 14″ | 355.6x6.3 | 54.3 | 1.542,23 | 116,68 |
| 25.300.1320 | 14″ | 355.6x7.1 | 61.0 | 1.718,11 | 116,68 |
| 25.300.1321 | 14″ | 355.6x8.0 | 68.6 | 1.917,64 | 116,68 |
| 25.300.1322 | 16″ | 406.4x4.5 | 44.6 | 1.304,15 | 133,25 |
| 25.300.1323 | 16″ | 406.4x5.0 | 49.5 | 1.432,78 | 133,25 |
| 25.300.1324 | 16″ | 406.4x5.6 | 55.3 | 1.585,04 | 133,25 |
| 25.300.1325 | 16″ | 406.4x6.3 | 62.2 | 1.766,20 | 133,25 |
| 25.300.1326 | 16″ | 406.4x7.1 | 69.9 | 1.968,34 | 133,25 |
| 25.300.1327 | 16″ | 406.4x8.0 | 78.6 | 2.196,74 | 133,25 |
| 25.300.1328 | 18″ | 457.2x4.5 | 50.2 | 1.464,00 | 146,09 |
| 25.300.1329 | 18″ | 457.2x5.0 | 55.8 | 1.611,01 | 146,09 |
| 25.300.1330 | 18″ | 457.2x5.6 | 62.3 | 1.781,66 | 146,09 |
| 25.300.1331 | 18″ | 457.2x6.3 | 70.0 | 1.983,80 | 146,09 |
| 25.300.1332 | 18″ | 457.2x7.1 | 78.8 | 2.214,83 | 146,09 |
| 25.300.1333 | 18″ | 457.2x8.0 | 88.6 | 2.472,11 | 146,09 |
| 25.300.1334 | 20″ | 508.0x4.5 | 55.9 | 1.630,21 | 162,66 |
| 25.300.1335 | 20″ | 508.0x5.0 | 62.0 | 1.790,36 | 162,66 |
| 25.300.1336 | 20″ | 508.0x5.6 | 69.4 | 1.984,64 | 162,66 |
| 25.300.1337 | 20″ | 508.0x6.3 | 77.9 | 2.207,79 | 162,66 |
| 25.300.1338 | 20″ | 508.0x7.1 | 87.7 | 2.465,06 | 162,66 |
| 25.300.1339 | 20″ | 508.0x8.0 | 98.6 | 2.751,21 | 162,66 |
| 25.300.1340 | 22″ | 588.8x5.0 | 68.3 | 1.976,39 | 183,30 |
| 25.300.1341 | 22″ | 588.8x5.6 | 76.4 | 2.189,04 | 183,30 |
| 25.300.1342 | 22″ | 588.8x6.3 | 85.9 | 2.438,44 | 183,30 |
| 25.300.1343 | 22″ | 588.8x7.1 | 96.6 | 2.719,35 | 183,30 |
| 25.300.1344 | 22″ | 588.8x8.0 | 109.0 | 3.044,88 | 183,30 |
| 25.300.1345 | 24″ | 609.6x5.0 | 74.6 | 2.149,59 | 191,10 |
| 25.300.1346 | 24″ | 609.6x5.6 | 83.5 | 2.383,24 | 191,10 |
| 25.300.1347 | 24″ | 609.6x6.3 | 93.8 | 2.653,64 | 191,10 |
| 25.300.1348 | 24″ | 609.6x7.1 | 106.0 | 2.973,93 | 191,10 |
| 25.300.1349 | 24″ | 609.6x8.0 | 119.0 | 3.315,21 | 191,10 |
| 25.300.1350 | 26″ | 660.4x5.6 | 90.4 | 2.585,99 | 212,71 |
| 25.300.1351 | 26″ | 660.4x6.3 | 102.0 | 2.890,53 | 212,71 |
| 25.300.1352 | 26″ | 660.4x7.1 | 115.0 | 3.231,81 | 212,71 |
| 25.300.1353 | 26″ | 660.4x8.0 | 129.0 | 3.599,35 | 212,71 |
| 25.300.1354 | 28″ | 711.2x6.3 | 109.0 | 3.090,86 | 229,29 |

25.300.-Joint Installation

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| 25.300.1355 | 28″ | 711.2x7.1 | 123.0 | 3.458,43 | 229,29 |
| 25.300.1356 | 28″ | 711.2x8.0 | 139.0 | 3.878,46 | 229,29 |
| 25.300.1357 | 30″ | 762.0x6.3 | 117.0 | 3.321,54 | 249,93 |
| 25.300.1358 | 30″ | 762.0x7.1 | 132.0 | 3.715,33 | 249,93 |
| 25.300.1359 | 30″ | 762.0x8.0 | 149.0 | 4.161,64 | 249,93 |
| 25.300.1360 | 32″ | 812.8x7.1 | 141.0 | 3.959,40 | 257,73 |
| 25.300.1361 | 32″ | 812.8x8.0 | 159.0 | 4.431,96 | 257,73 |
| 25.300.1362 | 34″ | 863.6x7.1 | 150.0 | 4.216,33 | 278,36 |
| 25.300.1363 | 34″ | 863.6x8.0 | 169.0 | 4.715,13 | 278,36 |
| 25.300.1364 | 34″ | 863.6x8.8 | 186.0 | 5.161,43 | 278,36 |
| 25.300.1365 | 36″ | 914.4x7.1 | 159.0 | 4.470,15 | 295,91 |
| 25.300.1366 | 36″ | 914.4x8.0 | 179.0 | 4.995,21 | 295,91 |
| 25.300.1367 | 36″ | 914.4x10.0 | 196.0 | 5.441,51 | 295,91 |
| 25.300.1368 | 40″ | 1,016.0x7.1 | 177.0 | 4.971,14 | 324,35 |
| 25.300.1369 | 40″ | 1,016.0x8.0 | 199.0 | 5.548,70 | 324,35 |
| 25.300.1370 | 40″ | 1,016.0x10.0 | 248.0 | 6.835,10 | 324,35 |
| **25.300.1400** | **Welded Galvanized Pipes; in accordance with TS EN 10255 + A1, material Fe 33-2: (Unit: m)** | | | | |
| | Nominal Size Inch | Ø | Average outer diameter/Wall thickness mm/mm | | |
| 25.300.1401 | 1/2″ | 15 | 21.3/2.65 | 60,59 | 18,69 |
| 25.300.1402 | 3/4″ | 20 | 26.9/2.65 | 75,51 | 21,61 |
| 25.300.1403 | 1″ | 25 | 33.7/3.25 | 109,93 | 26,49 |
| 25.300.1404 | 1¼″ | 32 | 42.4/3.25 | 146,79 | 39,33 |
| 25.300.1405 | 1½″ | 40 | 48.3/3.25 | 166,83 | 43,23 |
| 25.300.1406 | 2″ | 50 | 60.3/3.65 | 223,19 | 48,10 |
| 25.300.1407 | 2½″ | 65 | 76.1/3.65 | 276,54 | 52,00 |
| 25.300.1408 | 3″ | 80 | 88.9/4.05 | 349,73 | 56,88 |
| 25.300.1409 | 4″ | 100 | 114.3/4.5 | 489,91 | 60,78 |
| 25.300.1410 | 5″ | 125 | 139.7/5.0 | 652,73 | 65,65 |
| 25.300.1411 | 6″ | 150 | 165.1/5.0 | 773,96 | 73,61 |
| **25.300.1500** | **Seamless Pipes, (patent drawn steel); (Size: m) (in accordance with TS EN 10216-1 and material Fe 33)** | | | | |
| | External diameter / wall thickness mm | | | | |
| 25.300.1501 | 10.2/1.6 | | | 21,65 | 9,75 |
| 25.300.1502 | 13.5/1.8 | | | 30,45 | 11,38 |
| 25.300.1503 | 16.0/1.8 | | | 35,56 | 11,79 |
| 25.300.1504 | 17.2/1.8 | | | 49,78 | 18,69 |
| 25.300.1505 | 20.0/2.0 | | | 59,04 | 20,64 |
| 25.300.1506 | 21.3/2.0 | | | 62,18 | 20,64 |
| 25.300.1507 | 25.0/2.0 | | | 70,06 | 23,56 |
| 25.300.1508 | 26.9/2.3 | | | 79,48 | 23,56 |
| 25.300.1509 | 30.0/2.6 | | | 106,81 | 28,44 |
| 25.300.1510 | 31.8/2.6 | | | 109,16 | 28,44 |
| 25.300.1511 | 33.7/2.6 | | | 115,70 | 28,44 |
| 25.300.1512 | 38.0/2.6 | | | 127,19 | 28,44 |
| 25.300.1513 | 42.4/2.6 | | | 140,64 | 30,39 |
| 25.300.1514 | 44.5/2.6 | | | 141,94 | 30,39 |
| 25.300.1515 | 48.3/2.6 | | | 156,44 | 32,34 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.300.1516 | 57.0/2.9 | 190,39 | 32,34 |
| 25.300.1517 | 60.3/2.9 | 205,55 | 38,35 |
| 25.300.1518 | 63.5/2.9 | 214,69 | 38,35 |
| 25.300.1519 | 70.0/2.9 | 232,99 | 38,35 |
| 25.300.1520 | 76.1/2.9 | 253,86 | 42,25 |
| 25.300.1521 | 82.5/3.2 | 273,46 | 42,25 |
| 25.300.1522 | 88.9/3.2 | 304,44 | 51,03 |
| 25.300.1523 | 101.6/3.6 | 351,46 | 51,03 |
| 25.300.1524 | 108.0/3.6 | 374,98 | 51,03 |
| 25.300.1525 | 114.3/3.6 | 407,26 | 59,80 |
| 25.300.1526 | 121.0/4.0 | 438,61 | 59,80 |
| 25.300.1527 | 127.0/4.0 | 469,96 | 59,80 |
| 25.300.1528 | 133.0/4.0 | 496,09 | 59,80 |
| 25.300.1529 | 139.7/4.0 | 551,70 | 73,61 |
| 25.300.1530 | 159.0/4.5 | 664,04 | 73,61 |
| 25.300.1531 | 165.1/4.5 | 668,91 | 78,49 |
| 25.300.1532 | 177.8/5.0 | 778,64 | 78,49 |
| 25.300.1533 | 219.1/6.0 | 1.159,36 | 88,24 |
| 25.300.1534 | 244.5/6.3 | 1.295,21 | 88,24 |
| 25.300.1535 | 273.0/6.3 | 1.498,99 | 88,24 |
| 25.300.1536 | 323.9/7.1 | 2.003,25 | 111,80 |
| 25.300.1537 | 368.0/8.0 | 2.664,21 | 111,80 |
| 25.300.1538 | 406.4/8.8 | 3.366,90 | 127,40 |
| 25.300.1539 | 419.0/10.8 | 3.680,40 | 127,40 |
| 25.300.1540 | 457.2/10.0 | 4.090,96 | 146,09 |
| **25.300.1600** | **STEEL PIPES: (For natural gas industry steel pipelines) (Unit: m)**<br>Supply to the work site and installation of steel natural gas pipes made of Gr-A material for the pipes smaller than ø 114.3/6.0 mm and Gr-B material for the pipes larger than ø 114.3/6.0 mm manufactured in accordance with the 2014/68/EU Pressure Equipment Directive and TS EN ISO 3183; 2012; 2013, and released with a CE marking, including any material and labor for installation as per the relevant specifications and project design and making their connections, excluding the prices of fittings, red primer and paint. (Pipe installation material costs shall be paid on item numbers 25.300.2100 and 25.300.2200)<br>External diameter / wall thickness (mm) | | |
| 25.300.1601 | 21.3/2.8 | 41,19 | 18,69 |
| 25.300.1602 | 26.7/2.9 | 50,36 | 21,61 |
| 25.300.1603 | 33.4/3.4 | 68,99 | 26,49 |
| 25.300.1604 | 42.2/3.6 | 96,83 | 39,33 |
| 25.300.1605 | 48.3/3.7 | 114,48 | 43,23 |
| 25.300.1606 | 60.3/3.9 | 139,35 | 48,10 |
| 25.300.1607 | 76.0/5.2 | 195,75 | 52,00 |
| 25.300.1608 | 88.9/5.5 | 256,88 | 56,88 |
| 25.300.1609 | 114.3/6.0 | 317,03 | 60,78 |
| 25.300.1610 | 141.0/6.0 | 428,15 | 65,65 |
| 25.300.1611 | 168.3/7.1 | 536,11 | 73,61 |
| 25.300.1612 | 219.1/8.2 | 775,56 | 75,56 |
| 25.300.1613 | 273.0/9.3 | 1.042,94 | 80,44 |
| 25.300.1614 | 323.9/9.5 | 1.372,81 | 85,31 |
| **25.300.1700** | **NATURAL GAS PIPES COATED WITH POLYETHYLENE: (Unit: m)**<br>The supply to the work site and on-site installation of TS EN ISO 3183:2013-compliant | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | natural gas pipes coated with polyethylene by using the TS 5139 and DIN 30670-compliant extrusion method, the laying of the pipes in accordance with the related specification and project including every kind of material used for making connections and the labor with fittings and fasteners. (Pipe installation material costs shall be paid on item numbers 25.300.2100 and 25.300.2200)<br>External Diameter (mm) | | |
| 25.300.1701 | 21.3 | 63,69 | 18,69 |
| 25.300.1702 | 26.9 | 76,61 | 21,61 |
| 25.300.1703 | 33.7 | 100,24 | 26,49 |
| 25.300.1704 | 42.4 | 139,33 | 39,33 |
| 25.300.1705 | 48.3 | 159,48 | 43,23 |
| 25.300.1706 | 60.3 | 204,35 | 48,10 |
| 25.300.1707 | 76.1 | 289,50 | 52,00 |
| 25.300.1708 | 88.9 | 344,38 | 56,88 |
| 25.300.1709 | 114.3 | 435,78 | 60,78 |
| 25.300.1710 | 139.7 | 553,15 | 65,65 |
| 25.300.1711 | 168.3 | 748,61 | 73,61 |
| 25.300.1712 | 219.1 | 992,94 | 80,44 |
| 25.300.1713 | 273.0 | 1.485,31 | 85,31 |
| 25.300.2100 | **The price of pipe installation material installed threaded inside the building; (Unit: %)**<br>Pipe installation material for fixing the pipes defined as per item 25.300.1100, 25.300.1400 and 25.300.1500, with all the fittings and piping components by using threaded connections, including the hanger material. | % 30 | |
| 25.300.2200 | **The price of pipe installation material installed welded inside the building; (Unit: %)**<br>Pipe installation material for fixing the pipes defined as per item 25.300.1100, 25.300.1400 and 25.300.1500, with all the fittings and piping components by using welded connections, including the hanger material. | % 25 | |
| 25.300.2300 | **The price of pipe installation material installed with flanges inside the building; (Unit: %)**<br>Pipe installation material for fixing the pipes defined as per item 25.300.1100, 25.300.1400 and 25.300.1500, with all the fittings and piping components by using flanged connections, including the hanger material. | % 40 | |
| 25.300.2400 | **The price of pipe installation material installed in the ducts outside the building; (Unit: %)**<br>Pipe installation material for fixing the pipes defined as per item 25.300.1100, 25.300.1400 and 25.300.1500 in the ducts outside the building, threaded or welded, including all the fittings, piping components and hanger material (excluding the consoles and support material). | % 15 | |
| 25.300.2500 | **The price of the pipe installation material with flanges installed in the ducts outside the building; (Unit: %)**<br>Pipe installation material for fixing the pipes defined as per item 25.300.1100, 25.300.1400 and 25.300.1500 in the ducts outside the building, flanged, including all the fittings, piping components and hanger materials (excluding the consoles and support material). (Except consoles and carrier materials) | % 25 | |
| **25.305.1000** | **PLASTIC PIPES: (Unit: m)** | | |
| **25.305.1100** | **Rigid PVC Plastic Drinkable Water Pipes (slip-on or stick-on bellmouth type); (Unit: m)**<br>Supply to the work site of rigid PVC plastic drinkable water pipe in accordance with TS EN ISO 1452-1,2 installation in its designated location as plug-in or glue muff.<br>External Diameter Ø mm — Pressure Atmosphere | | |
| 25.305.1101 | 20 — 10 | 8,88 | 3,54 |
| 25.305.1102 | 25 — 10 | 11,53 | 4,71 |
| 25.305.1103 | 32 — 10 | 18,20 | 7,08 |
| 25.305.1104 | 40 — 10 | 24,85 | 9,43 |
| 25.305.1105 | 50 — 6 | 26,66 | 9,43 |
| 25.305.1106 | 50 — 10 | 33,03 | 9,43 |

25.300.-Joint Installation

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.305.1107 | 63 | 6 | 34,89 | 10,60 |
| 25.305.1108 | 63 | 10 | 46,45 | 10,60 |
| 25.305.1109 | 75 | 6 | 45,15 | 11,79 |
| 25.305.1110 | 75 | 10 | 63,30 | 11,79 |
| 25.305.1111 | 90 | 6 | 61,96 | 12,96 |
| 25.305.1112 | 90 | 10 | 87,16 | 12,96 |
| 25.305.1113 | 110 | 6 | 70,86 | 14,14 |
| 25.305.1114 | 110 | 10 | 101,71 | 14,14 |
| 25.305.1115 | 125 | 6 | 90,15 | 14,14 |
| 25.305.1116 | 125 | 10 | 129,84 | 14,14 |
| 25.305.1117 | 140 | 6 | 111,56 | 16,50 |
| 25.305.1118 | 140 | 10 | 159,44 | 16,50 |
| 25.305.1119 | 160 | 6 | 139,01 | 16,50 |
| 25.305.1120 | 160 | 10 | 203,68 | 16,50 |
| 25.305.1121 | 200 | 6 | 204,85 | 17,68 |
| 25.305.1122 | 200 | 10 | 308,08 | 17,68 |
| 25.305.1123 | 225 | 6 | 255,98 | 20,03 |
| 25.305.1124 | 225 | 10 | 385,29 | 20,03 |
| 25.305.1125 | 250 | 6 | 325,31 | 23,56 |
| 25.305.1126 | 250 | 10 | 479,59 | 23,56 |
| 25.305.1127 | 280 | 6 | 402,45 | 23,56 |
| 25.305.1128 | 280 | 10 | 593,03 | 23,56 |
| 25.305.1129 | 315 | 6 | 487,56 | 24,74 |
| 25.305.1130 | 315 | 10 | 748,48 | 24,74 |
| 25.305.1131 | 355 | 6 | 638,49 | 25,93 |
| 25.305.1132 | 355 | 10 | 987,88 | 25,93 |
| 25.305.1133 | 400 | 6 | 814,53 | 31,81 |
| **25.305.1200** | **Slip-on or stick-on bellmouth pipe installation material cost: (Unit: %)**<br>The cost of the fittings, adhesives and joints for the installation of rigid PVC slip-on or stick-on bellmouth plastic drinkable water pipes shall be taken as the following percentages of the installed pipe cost: | | | |
| 25.305.1201 | In case of indoor installation (Unit: %) | | % 25 | |
| 25.305.1202 | In case of outdoor installation inside of the ducts (Unit: %) | | % 20 | |
| 25.305.1203 | In case of outdoor installation laying into the ground (Unit: %) | | % 15 | |
| **25.305.2000** | **Polypropylene Clean Water Pipes (TS EN ISO 15874-1, 2, 3, 5, 7) (Size: m)**<br>Polypropylene (PPR-C) in accordance with the TS EN ISO 15874-2, certified by the Ministry of Health for use as drinkable water pipes, their supply in work site, cutting in accordance with the project physio thermal welding with the fittings at a temperature of 260°C by squeezing. (Including all kinds of materials and labor for welding) The cost of installation materials shall be paid separately. | | | |
| **25.305.2100** | **PN 20 Polypropylene Pipes; (Unit: m)** | | | |
| | Nominal Size inch | Outer diameter / Wall thickness Inches ( Ø/ mm ) | | |
| 25.305.2101 | 1/2″ | 20/3.4 | 17,03 | 6,10 |
| 25.305.2102 | 3/4″ | 25/4.2 | 27,58 | 9,84 |
| 25.305.2103 | 1″ | 32/5.4 | 42,38 | 10,81 |
| 25.305.2104 | 1¼″ | 40/6.7 | 62,74 | 11,79 |
| 25.305.2105 | 1½″ | 50/8.4 | 92,16 | 12,76 |
| 25.305.2106 | 2″ | 63/10.5 | 141,61 | 13,74 |
| 25.305.2107 | 2½″ | 75/12.5 | 202,40 | 14,71 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.305.2108 | 3″ 90/15.0 | 304,44 | 15,69 |
| 25.305.2109 | 4″ 110/18.4 | 446,06 | 17,06 |
| 25.305.2110 | 5″ 125/20.9 | 678,45 | 18,45 |
| **25.305.3000** | **Aluminum Foil (with oxygen barrier) Composite PP-RC Pipes: (Unit: m)**<br>PP-RC pipes in accordance with (TS EN ISO 15874-1, 2, 3, 5, 7), TS 9937, polypropylene (PPR-C), Type 3, suitable for use in hot and cold water systems, when tested according to TS EN 13501-1 the least normal flammability, three layers of polypropylene (inner and outer layers PP, middle layer Aluminum folio), the middle layer (Aluminum) at least 150 microns, the wall thickness of the outer layer at least 0.5 mm, their supply in work site, cutting in accordance with the project physio thermal welding with the fittings at a temperature of 260°C by squeezing. (Including all kinds of materials and labor for welding) The cost of installation materials shall be paid separately. | | |
| **25.305.3100** | **PN 20 Aluminum Foil Polypropylene Pipes; (Unit: m)**<br>Nominal Size Outer diameter / Wall thickness Inches (Ø/mm) | | |
| 25.305.3101 | 1/2″ 20/2.8 | 25,90 | 6,10 |
| 25.305.3102 | 3/4″ 25/3.5 | 37,68 | 9,84 |
| 25.305.3103 | 1″ 32/4.4 | 58,66 | 10,81 |
| 25.305.3104 | 1¼″ 40/5.5 | 86,04 | 11,79 |
| 25.305.3105 | 1½″ 50/6.9 | 124,14 | 12,76 |
| 25.305.3106 | 2″ 63/8.6 | 191,11 | 13,74 |
| 25.305.3107 | 2½″ 75/10.3 | 284,90 | 14,71 |
| 25.305.3108 | 3″ 90/12.3 | 452,94 | 15,69 |
| 25.305.3109 | 4″ 110/15.1 | 590,44 | 17,06 |
| **25.305.4000** | **Glass Fiber Reinforced Composite PP-RC Pipes: (Unit: m)**<br>PPR-C pipes in accordance with TS 13715, polypropylene (PPR-C), Type 3, suitable for use in hot and cold water systems, when tested according to TS EN 13501-1 the least normal flammability, three layers of polypropylene (inner and outer layers PP, middle layer glass fiber reinforced PP), their supply in work site, cutting in accordance with the project, physio thermal welding with the fittings at a temperature of 260°C by squeezing. (Including all kinds of materials and labor for welding) The cost of installation materials shall be paid separately. | | |
| **25.305.4100** | **PN 25 Glass Fiber Reinforced Polypropylene Pipes; (Unit: m)**<br>Nominal Size Outer diameter / Wall thickness Inches (Ø/mm) | | |
| 25.305.4101 | 1/2″ 20/2.8 | 20,34 | 6,10 |
| 25.305.4102 | 3/4″ 25/3.5 | 29,64 | 9,84 |
| 25.305.4103 | 1″ 32/4.4 | 44,44 | 10,81 |
| 25.305.4104 | 1¼″ 40/5.5 | 64,59 | 11,79 |
| 25.305.4105 | 1½″ 50/6.9 | 94,23 | 12,76 |
| 25.305.4106 | 2″ 63/8.6 | 143,68 | 13,74 |
| 25.305.4107 | 2½″ 75/10.3 | 205,50 | 14,71 |
| 25.305.4108 | 3″ 90/12.3 | 302,38 | 15,69 |
| 25.305.4109 | 4″ 110/15.1 | 448,13 | 17,06 |
| 25.305.5000 | **The price of pipe installation material installed with physio thermal welding inside the building; (Unit: %)**<br>The price of the fittings for polypropylene pipes in item 25.305.2100, used for indoor installations, connected with physio welding with each other or for connections with valves, unions, taps etc., fittings such as bends, sleeves, Tee cross, reductions, caps and inegal Tee made of polypropylene PPR-C Type 3, having one end for welded (PP) and the other end threaded (bronze) connections and every kind of fixing material such as plastic and metal clamp, hanger, sleeve as percentage of the installed pipe cost.<br>Note: (It shall be documented by the Ministry of Health that there is no harm in the use for drinkable water.) | % 45 | |
| 25.305.5100 | **The price of pipe installation material installed in the ducts outside the building; (Unit: %)** | % 18 | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | In case item 25.305.2100 pipes used in ducts outside the buildings are connected to each other with physio thermal welding or with screw, provided that the other features are the same as in item 204-3300, the percentage of the installed pipe cost | | |
| 25.305.5200 | **The price of pipe installation material installed into the ground outside the building; (Unit: %)**<br>In case item 25.305.2100 polypropylene pipes are installed underground outside the buildings are connected to each other with physio thermal welding or with screw, provided that the other features are the same as in item 25.305.5000, the percentage of the installed pipe cost | % 18 | |
| **25.305.6100** | **Rigid PVC Plastic Drain Pipes (slip-on or stick-on bellmouth) (TS EN 1329-1); (Unit: m)**<br>Supply to the work site of rigid PVC plastic drain pipes in accordance with TS 1329-1, installation in its designated location as slip-on or stick-on bellmouth.<br>External diameter Ø mm — Wall thickness mm | | |
| 25.305.6101 | 40 - 50 — 3.0 | 31,91 | 7,80 |
| 25.305.6102 | 70 - 75 — 3.0 | 36,63 | 9,75 |
| 25.305.6103 | 100 - 110 — 3.0 | 62,01 | 15,76 |
| 25.305.6104 | 125 — 3.2 | 69,51 | 15,76 |
| 25.305.6105 | 150 - 160 — 3.2 | 132,66 | 17,71 |
| 25.305.6106 | 160 — 3.8 | 154,46 | 17,71 |
| 25.305.6107 | 200 — 3.9 | 209,26 | 18,69 |
| 25.305.6108 | 200 — 4.9 | 238,95 | 18,69 |
| 25.305.6109 | 250 — 4.9 | 332,50 | 23,56 |
| **25.305.6200** | **Polypropylene Plastic Drain Pipes (with slip-on bellmouth) (in accordance with TS EN 1451-1) (Unit: m)**<br>External diameter (mm) — Wall thickness (mm) | | |
| 25.305.6201 | Ø50 — 1.8 | 23,96 | 4,88 |
| 25.305.6202 | Ø70 — 1.9 | 42,36 | 7,50 |
| 25.305.6203 | Ø100 — 2.7 | 75,19 | 8,78 |
| 25.305.6204 | Ø125 — 3.1 | 95,76 | 9,75 |
| 25.305.6205 | Ø150 — 3.9 | 151,90 | 12,68 |
| **25.305.6300** | **SOUND INSULATED PLASTIC DRAIN PIPES (Unit: m)**<br>The supply to the work site and installation of three-layer polypropylene pipes (inner and outer layers PP, middle layer mineral PP added) for indoor, when tested in accordance with TS EN 14366 or DIN 4109, the sound permeability max. 24 dB at 4 (L/sec) flow, when non-flammable class tested in accordance with TS EN 13501-1+A1, the flammability at least normal.<br>External Diameter (mm) — min. Wall thickness (mm) | | |
| 25.305.6301 | Ø50 — 2.0 | 43,90 | 7,80 |
| 25.305.6302 | Ø70 — 2.4 | 67,50 | 9,75 |
| 25.305.6303 | Ø110 — 3.2 | 107,79 | 13,74 |
| 25.305.6304 | Ø125 — 3.2 | 146,74 | 15,76 |
| 25.305.6305 | Ø160 — 4.0 | 199,21 | 17,71 |
| 25.305.6306 | Ø200 — 4.5 | 282,69 | 18,69 |
| 25.305.6600 | **The installation material price for PVC, sound-insulated, polypropylene plastic drain pipes (with slip-on bellmouth) (Unit: %)**<br>The cost of the all fittings for the installation of PVC, sound-proof, polypropylene plastic drain pipes, the addition of cap, fixing material and gasket, etc. as the percentage of the installed pipe cost | % 35 | |
| **25.305.6700** | **Centrifugal Cast-iron Drain Pipes (Unit: m)**<br>The supply to the work site and installation of the pipes and the fittings in compliance with the Directive 305/2011/EC on Construction Products and produced by centrifugal casting from the material with 7.2 kg/dm³ density (material in compliance with the Standard TS EN 1561) in accordance with the Standard TS EN 877, the fittings phosphorized by using the cataphoresis electro immersion method or dip-coated and then oven-dried at 180°C, the inner surfaces of the pipes coated with 130 µm of two component epoxy in compliance with the Standard TS EN 13501-1+A1, the outer surfaces coated with 40 µm of acrylic-coated, sound insulation in accordance with DIN 4109, laying of the pipes in accordance with the design, making of the clamp connections with EPDM gaskets in compliance with the Standard TS EN 681-1. | | |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| 25.305.6701 | DN50 | 495,63 | 66,63 |
| 25.305.6702 | DN70 | 635,56 | 113,75 |
| 25.305.6703 | DN80 | 716,94 | 133,25 |
| 25.305.6704 | DN100 | 852,75 | 180,38 |
| 25.305.6705 | DN125 | 1.084,69 | 199,88 |
| 25.305.6706 | DN150 | 1.307,13 | 247,00 |
| 25.305.6707 | DN200 | 2.142,75 | 280,31 |
| 25.305.6708 | DN250 | 2.754,19 | 299,81 |
| 25.305.6709 | DN300 | 3.282,50 | 333,13 |
| 25.305.6800 | **Cast iron drain pipe installation material cost (Unit:%)**<br>For the installation of the cast iron drain pipes in item 25.305.6700, the price of all fittings, fixings, flanges and gaskets used in the installation as the percentage of the installed pipe cost (Unit: percent): | % 50 | |
| **25.305.7000** | **POLYETHYLENE PIPES; (Unit: m):**<br>The supply to the work site and installation of polyethylene pipes in accordance with TS EN 12201-2+A1. | | |
| **25.305.7100** | **PE100 Class SDR 17 series PN 10 polyethylene pipes; (Unit: m)** | | |
| 25.305.7101 | 32 | 8,34 | 3,34 |
| 25.305.7102 | 40 | 14,04 | 4,04 |
| 25.305.7103 | 50 | 16,76 | 4,51 |
| 25.305.7104 | 63 | 22,16 | 5,01 |
| 25.305.7105 | 75 | 32,16 | 5,29 |
| 25.305.7106 | 90 | 45,60 | 5,29 |
| 25.305.7107 | 110 | 63,76 | 6,26 |
| **25.305.7200** | **PE-RT (Polyethylene with Increased Temperature Resistance) PIPES: (Unit: m)**<br>The supply to the ork site and the installation of then pipes in compliance with the Standard TS EN ISO 22391-2, class A size, suitable for application grades 4 and 5, in continuous operation at 70°C, maximum 95°C, with a design pressure of 6 bar, made of type 2 PE-RT raw material. | | |
| 25.305.7201 | PE-RT Pipe 16 x 2.0 mm (without oxygen barrier) | 9,99 | 2,86 |
| 25.305.7202 | PE-RT Pipe 16 x 2.0 mm (with oxygen barrier) | 11,43 | 2,86 |
| **25.305.8000** | **PEX PIPES (Crosslinked Polyethylene): (Unit: m)**<br>The supply to the work site and installation of the crosslinked polyethylene pipes in compliance with the Standard ISO 15875-2 (TS 10762-2 ISO 15875-2) and DIN 16892-93 by indicating the series, class, pressure and temperature, the method of production, the symbols a, b, c and the crosslink ratio, in accordance with the design following the completion of the required tests. | | |
| **25.305.8100** | **PE-Xa Pipes (6 bar):**<br>The supply to the work site and installation of the PE-Xa pipes, ISO A Series 5; for application classes 4 and 5; operating at maximum 95°C, 6 bar operating pressure, with a minimum cross-linking ratio of 70 percent, with peroxide additives; The necessary tests of polyethylene (PE-Xa) pipes with oxygen barrier (EVOH) in accordance with DIN 4726 and with the design.<br>Nominal Outer Diameter (Ø mm) | | |
| 25.305.8101 | PE-Xa Pipe with Oxygen barrier, 16 x 2.0 mm | 17,93 | 2,86 |
| 25.305.8102 | PE-Xa Pipe with Oxygen barrier, 17 x 2.0 mm | 18,34 | 2,86 |
| 25.305.8103 | PE-Xa Pipe with Oxygen barrier, 20 x 2.0 mm | 21,43 | 2,86 |
| 25.305.8104 | PE-Xa Pipe with Oxygen barrier, 25x2.3 mm | 31,13 | 2,86 |
| 25.305.8105 | PE-Xa Pipe with Oxygen barrier, 32x2.9 mm | 56,96 | 3,34 |
| 25.305.8106 | PE-Xa Pipe with Oxygen barrier, 40x3.7 mm | 64,18 | 3,34 |
| 25.305.8107 | PE-Xa Pipe with Oxygen barrier, 50x4.6 mm | 88,31 | 3,34 |
| 25.305.8108 | PE-Xa Pipe with Oxygen barrier, 63x5.8 mm | 125,03 | 3,34 |
| **25.305.8200** | **PE-Xa Pipes (10 bar):**<br>The supply to the work site and installation site of the PE-Xa pipes, ISO A Series 2; for application classes 1, 2, 4 and 5; operating at maximum 95°C, 10 bar operating pressure, with a minimum cross-linking ratio of 70 percent, with peroxide additives; The necessary tests of polyethylene (PE-Xa) pipes with oxygen | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | barrier (EVOH) in accordance with DIN 4726 and with the design.<br>Nominal Outer Diameter (Ø mm) | | |
| 25.305.8201 | PE-Xa Pipe with Oxygen barrier, 16x2.2 mm | 19,26 | 2,86 |
| 25.305.8202 | PE-Xa Pipe with Oxygen barrier, 20x2.8 mm | 35,45 | 2,86 |
| 25.305.8203 | PE-Xa Pipe with Oxygen barrier, 25x3.5 mm | 64,33 | 2,86 |
| 25.305.8204 | PE-Xa Pipe with Oxygen barrier, 32x4.4 mm | 108,53 | 3,34 |
| 25.305.8205 | PE-Xa Pipe with Oxygen barrier, 40x5.5 mm | 159,06 | 3,34 |
| 25.305.8206 | PE-Xa Pipe with Oxygen barrier, 50x6.9 mm | 232,28 | 3,34 |
| **25.305.8300** | **Al foil layer metal-polymer composite Pe-Xa pipes:**<br>The supply to the work site and installation of metal-polymer composite polyethylene (Pe-Xa) pipes crosslinked under high pressure in accordance with the standard TS EN ISO 21003 and TS EN ISO 15875 with a cross-link ratio of minimum 70 percent, operating at maximum 90°C temperature and at maximum 10 bar pressure, Al foil layered (plastic Al plastic from the inside out).<br>Nominal Outer Diameter (Ø mm) | | |
| 25.305.8301 | 16.2 x 2.6 mm | 27,83 | 2,86 |
| 25.305.8302 | 20 x 2.9 mm | 35,86 | 2,86 |
| 25.305.8303 | 25 x 3.7 mm | 58,34 | 2,86 |
| 25.305.8304 | 32 x 4.7 mm | 86,05 | 3,34 |
| 25.305.8305 | 40 x 6.0 mm | 154,94 | 3,34 |
| **25.305.8400** | **PE-Xb PIPES: (Unit: m)**<br>The supply to the work site and installation of the PE-Xa pipes, ISO A Series 5; for application classes 4; operating at maximum 95 C temperature and 6 bar pressure, with silane additive, produced with cross-linking method, having a cross-linking ratio of 65 percent in accordance with the design.<br>Nominal Outer Diameter (Ø mm) | | |
| 25.305.8401 | PE-Xb Pipe with Oxygen barrier, 16 x 2.0 mm | 12,35 | 2,86 |
| 25.305.8402 | PE-Xb Pipe with Oxygen barrier, 20 x 2.0 mm | 15,76 | 2,86 |
| 25.305.8403 | PE-Xb Pipe with Oxygen barrier, 25 x 2.3 mm | 17,93 | 2,86 |
| 25.305.8404 | PE-Xb Pipe without Oxygen barrier, 16x2.0 mm | 9,46 | 2,86 |
| 25.305.8405 | PE-Xb Pipe without Oxygen barrier, 20x2.0 mm | 10,70 | 2,86 |
| 25.305.8406 | PE-Xb Pipe without Oxygen barrier, 25x2.3 mm | 14,41 | 2,86 |
| 25.305.8500 | The supply to the work site and installation of spiral protective sheath used for PE-Xa, PE-Xb and PE-RT pipes at diameters Ø16- Ø17. (Unit: m) | 3,64 | 0,85 |
| **25.305.9000** | **Polyethylene, PE-RT, PE-Xa, PE-Xb pipe installation material cost: (Unit: %)**<br>Payment for all fasteners, retainers, all flanges and seals required for installation. | | |
| 25.305.9001 | Indoor (Unit: %) | % 25 | |
| 25.305.9002 | Outdoor installation inside of the ducts (Unit: %) | % 20 | |
| 25.305.9003 | Outdoor installation laying into the ground (Unit: %) | % 10 | |
| **25.307.1000** | **PRE-INSULATED PIPES (Unit: m)** | | |
| **25.307.1100** | **Pre Insulated Steel Pipes; (Unit: m)**<br>The supply to the work site and installation of pre-insulated pipes manufactured in compliance with TS EN 253+A2, with polyurethane thermal insulation, high density polyethylene (HDPE) outer jacket, steel carrying pipe which can be used for hot water lines, for installation as per TS EN 13941+A1 (including labor, excluding fittings and fixings)<br>Carrier pipe nominal size inch / Enclosure outer diameter Ø mm | | |
| 25.307.1101 | 1/2″ 75 | 163,81 | 23,56 |
| 25.307.1102 | 3/4″ 90 | 202,49 | 26,49 |
| 25.307.1103 | 1″ 90 | 225,49 | 32,99 |
| 25.307.1104 | 1¼″ 110 | 301,33 | 44,20 |

25.300.-Joint Installation

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.307.1105 | 1½″ | 110 | 310,73 | 48,10 |
| 25.307.1106 | 2″ | 125 | 385,73 | 52,98 |
| 25.307.1107 | 2½″ | 140 | 468,66 | 58,91 |
| 25.307.1108 | 3″ | 160 | 574,56 | 65,81 |
| 25.307.1109 | 4″ | 200 | 823,21 | 69,71 |
| 25.307.1110 | 5″ | 225 | 993,09 | 74,59 |
| 25.307.1111 | 6″ | 250 | 1.175,74 | 78,49 |
| 25.307.1112 | 8″ | 315 | 1.713,23 | 82,48 |
| 25.307.1113 | 10″ | 400 | 2.488,10 | 87,35 |
| 25.307.1114 | 12″ | 450 | 3.119,25 | 94,25 |
| **25.307.1200** | **Pre Insulated Galvanized Pipes; (Unit: m)**<br>Supply to the work site and installation of pre-insulated pipes in compliance with TS EN 10255+A1 with threaded sleeves and galvanized carrier pipes and with other specifications similar to those of the item 25.307.1100.<br>Carrier pipe nominal size inch / Enclosure outer diameter Ø mm | | | |
| 25.307.1201 | 1/2″ | 75 | 184,44 | 23,56 |
| 25.307.1202 | 3/4″ | 90 | 225,86 | 26,49 |
| 25.307.1203 | 1″ | 90 | 270,86 | 32,99 |
| 25.307.1204 | 1¼″ | 110 | 357,70 | 44,20 |
| 25.307.1205 | 1½″ | 110 | 383,60 | 48,10 |
| 25.307.1206 | 2″ | 125 | 498,48 | 52,98 |
| 25.307.1207 | 2½″ | 140 | 603,41 | 58,91 |
| 25.307.1208 | 3″ | 160 | 753,31 | 65,81 |
| 25.307.1209 | 4″ | 200 | 1.073,46 | 69,71 |
| 25.307.1210 | 5″ | 225 | 1.369,84 | 74,59 |
| 25.307.1211 | 6″ | 250 | 1.599,24 | 78,49 |
| **25.307.1300** | **Pre-insulated PPR-C Pipes; (Unit: m)**<br>The supply to the work site and installation of pre-insulated pipes manufactured in compliance with TS EN 253+A2, with polyurethane thermal insulation, high density polyethylene (HDPE) outer jacket, PPR-C carrying pipe in PN 20 pressure class and in compliance with ISO 15874 which can be buried beneath the ground and (including labor, excluding fittings and fixings)<br>Carrier pipe nominal size Ø mm / Enclosure outer diameter Ø mm | | | |
| 25.307.1301 | Ø20 | 75 | 116,25 | 23,56 |
| 25.307.1302 | Ø25 | 90 | 136,93 | 26,38 |
| 25.307.1303 | Ø32 | 90 | 172,75 | 32,50 |
| 25.307.1304 | Ø40 | 110 | 251,88 | 44,25 |
| 25.307.1305 | Ø50 | 110 | 319,31 | 47,06 |
| 25.307.1306 | Ø63 | 125 | 454,73 | 53,23 |
| 25.307.1307 | Ø75 | 140 | 632,81 | 58,06 |
| 25.307.1308 | Ø90 | 160 | 881,04 | 67,04 |
| 25.307.1309 | Ø110 | 200 | 1.277,10 | 69,85 |
| 25.307.1310 | Ø125 | 225 | 1.653,19 | 74,69 |
| **25.307.1400** | **Pre-insulated Glass Fiber Reinforced Composite PPR-C Pipes; (Unit: m)**<br>The supply to the work site and installation of pre-insulated pipes manufactured in compliance with TS EN 253+A2, with polyurethane thermal insulation, high density polyethylene (HDPE) outer jacket, PPR-C carrying pipe in PN 25 pressure class and in compliance with TS 13715 which can be buried beneath the ground and (including labor, excluding fittings and fixings)<br>Carrier pipe nominal size Ø mm / Enclosure outer diameter Ø mm | | | |

25.300.-Joint Installation

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.307.1401 | Ø20 | 75 | 115,14 | 23,56 |
| 25.307.1402 | Ø25 | 90 | 142,43 | 26,38 |
| 25.307.1403 | Ø32 | 90 | 176,88 | 32,50 |
| 25.307.1404 | Ø40 | 110 | 251,88 | 44,25 |
| 25.307.1405 | Ø50 | 110 | 326,88 | 49,13 |
| 25.307.1406 | Ø63 | 125 | 471,23 | 53,23 |
| 25.307.1407 | Ø75 | 140 | 644,60 | 58,85 |
| 25.307.1408 | Ø90 | 160 | 914,79 | 67,79 |
| 25.307.1409 | Ø110 | 200 | 1.343,85 | 70,60 |
| 25.307.1410 | Ø125 | 225 | 1.757,69 | 74,69 |
| 25.307.1650 | Price of all preinsulated fasteners in compliance with TS EN 448, fittings, fixings, flanges and gaskets used for the installation of the PE-pipes in item 25.307.1100, 25.307.1200, 25.307.1300 and 25.307.1400 as the percentage of the installed pipe cost (Unit: %): | | % 30 | |
| **25.307.1900** | **Pre-insulated Flexible Plastic Pipes; (Unit: m)**<br>The supply to the work site and installation of pre-insulated flexible plastic pipes manufactured in compliance with EN 15632, for use in central and remote heating and cooling systems, liquid carrier pipe Polybutylene (PB), PEX-a, PPR, PE; with polyolefin outer jacket, cross-linked polyethylene, made of polyethylene or high density polyethylene (HDPE), SDR 11 class, suitable for 6 bar pressure and operating temperatures up to 95°C, (excluding fitting and fixing materials)<br><br>Carrier Pipe Nominal Diameter (Ø) mm | Casing Pipe min. Outer Diameter (Ø) mm | | |
| 25.307.1901 | 25 | 50 | 322,93 | 17,68 |
| 25.307.1902 | 32 | 63 | 464,94 | 23,56 |
| 25.307.1903 | 40 | 75 | 522,39 | 29,45 |
| 25.307.1904 | 50 | 90 | 689,16 | 35,35 |
| 25.307.1905 | 63 | 125 | 816,74 | 41,24 |
| 25.307.1906 | 75 | 125 | 956,69 | 47,13 |
| 25.307.1907 | 90 | 160 | 1.331,76 | 53,01 |
| 25.307.1908 | 110 | 190 | 1.469,36 | 64,80 |
| 25.307.1909 | 125 | 200 | 1.920,75 | 70,69 |
| 25.307.1950 | For the installation of the pipes in item 25.307.1900 the price of all fittings, fixings used in the installation as the percentage of the installed pipe cost (Unit: %):. | | % 15 | |
| **25.310.1000** | **COPPER PIPES: (Materials on construction site: 60%)**<br>The supply to the work site and installation on work site of pipe manufactured in compliance with TS EN 12449 | | | |
| **25.310.1100** | **Copper pipe with 0.8 mm wall thickness (Unit: m)** | | | |
| 25.310.1101 | Ø5 mm | | 27,10 | 9,75 |
| 25.310.1102 | Ø6 mm | | 34,14 | 11,70 |
| 25.310.1103 | Ø8 mm | | 44,34 | 11,70 |
| 25.310.1104 | Ø10 mm | | 57,48 | 14,63 |
| 25.310.1105 | Ø12 mm | | 68,65 | 15,60 |
| 25.310.1106 | Ø14 mm | | 79,81 | 16,58 |
| 25.310.1107 | Ø16 mm | | 91,96 | 18,53 |
| 25.310.1108 | Ø20 mm | | 113,35 | 19,50 |
| **25.310.1200** | **Copper pipe with 1 mm wall thickness (Unit: m)** | | | |
| 25.310.1201 | Ø4 mm | | 22,60 | 9,84 |
| 25.310.1202 | Ø5 mm | | 30,91 | 11,79 |
| 25.310.1203 | Ø6 mm | | 39,25 | 13,74 |
| 25.310.1204 | Ø8 mm | | 53,94 | 15,69 |
| 25.310.1205 | Ø10 mm | | 67,66 | 16,66 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.310.1206 | Ø12 mm | 81,40 | 17,64 |
| 25.310.1207 | Ø14 mm | 95,11 | 18,61 |
| 25.310.1208 | Ø16 mm | 109,81 | 20,56 |
| 25.310.1209 | Ø18 mm | 123,54 | 21,54 |
| 25.310.1210 | Ø20 mm | 137,26 | 22,51 |
| 25.310.1211 | Ø22 mm | 150,99 | 23,49 |
| 25.310.1212 | Ø25 mm | 171,08 | 24,46 |
| 25.310.1213 | Ø28 mm | 191,18 | 25,44 |
| **25.310.1300** | **Copper pipe with 1.5 mm wall thickness (Unit: m)** | | |
| 25.310.1301 | Ø5 mm | 30,91 | 11,79 |
| 25.310.1302 | Ø6 mm | 42,44 | 13,74 |
| 25.310.1303 | Ø8 mm | 63,51 | 15,69 |
| 25.310.1304 | Ø10 mm | 83,60 | 16,66 |
| 25.310.1305 | Ø12 mm | 103,70 | 17,64 |
| 25.310.1306 | Ø16 mm | 144,88 | 20,56 |
| 25.310.1307 | Ø20 mm | 184,09 | 21,54 |
| 25.310.1308 | Ø22 mm | 204,19 | 22,51 |
| 25.310.1309 | Ø25 mm | 233,85 | 23,49 |
| 25.310.1310 | Ø28 mm | 263,53 | 24,46 |
| 25.310.1311 | Ø32 mm | 302,74 | 25,44 |
| 25.310.1312 | Ø35 mm | 332,40 | 26,41 |
| 25.310.1313 | Ø36 mm | 342,94 | 27,39 |
| 25.310.1314 | Ø40 mm | 382,16 | 28,36 |
| **25.310.1400** | **Copper pipe with 2 mm wall thickness (Unit: m)**<br>External diameter | | |
| 25.310.1401 | Ø20 mm | 226,51 | 22,51 |
| 25.310.1402 | Ø25 mm | 292,20 | 24,46 |
| 25.310.1403 | Ø32 mm | 383,39 | 26,41 |
| 25.310.1404 | Ø40 mm | 488,31 | 29,34 |
| **25.310.2000** | **Copper Pipe Installation Material: (Size:%)** | | |
| 25.310.2001 | **In case of connection with threaded fittings, the cost of installation material; (Unit: %)**<br>The cost of the installation in case the ends of the copper pipes are spread and the pipes are connected by way of threaded fittings, as percentage of installed pipe cost. | % 20 | |
| 25.310.2002 | **Cost of fittings in case of welding with phosphorus copper alloy (Unit: %)**<br>In order to weld copper pipes to non-copper pipes or fittings, if they are welded with phosphorus copper alloy, the percentage of the installed pipe cost | % 25 | |
| 25.310.2003 | **Cost of material in case of welding with silver-copper alloy (Unit: %)**<br>In case the copper pipes are widened on one side and the bell mouth is formed, one is slipped into the other as necessary and the amount of the assembled pipe is used if copper-silver alloy is used. NOTE: The above mentioned prices are for electrolytic (soft) copper pipes. | % 30 | |
| **25.312.1100** | **Drain Check Valve (Unit: Qty.)**<br>The supply to the work site and installation of the drain check valve to prevent water back flow from wash basin, shower or bathtub in horizontal or vertical positions, suitable for drain lines, with polypropylene body and cleaning section. | | |
| 25.312.1101 | For sink; Ø50 mm | 74,73 | 9,75 |
| 25.312.1102 | Horizontal type; Ø50 mm | 74,16 | 9,75 |
| 25.312.1103 | Horizontal type; Ø75 mm | 97,79 | 14,63 |
| 25.312.1104 | Vertical type; Ø50 mm | 83,08 | 9,75 |
| 25.312.1105 | Vertical type; Ø75 mm | 100,01 | 14,63 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.312.1200** | **Sump check valve (Unit: Qty.)**<br>The supply to the work site and installation of drain check valves manufactured in compliance with the standard EN 13564-1: Flood Prevention Equipment For Buildings for use in the drain and rain water systems, with flap or lock, mounted to the end of the pipes inside the sumps/septic tanks to prevent rats, vermin and stench from entering the buildings' installations, resistant against rat gnaws, self-closing stainless steel flap, ABS housing, with hand operated locking system and easy opening cleaning hatch with butterfly screws. | | |
| 25.312.1201 | Flap type; Ø100 mm | 182,73 | 13,81 |
| 25.312.1202 | Flap type; Ø125 mm | 199,68 | 18,69 |
| 25.312.1203 | Flap type; Ø160 mm | 252,68 | 20,64 |
| 25.312.1204 | Flap type; Ø200 mm | 348,41 | 23,56 |
| 25.312.1205 | Flap type with lock; Ø100 mm | 198,51 | 13,81 |
| 25.312.1206 | Flap type with lock; Ø125 mm | 215,45 | 18,69 |
| 25.312.1207 | Flap type with lock; Ø160 mm | 271,23 | 20,64 |
| 25.312.1208 | Flap type with lock; Ø200 mm | 474,64 | 23,56 |
| **25.312.2100** | **Vent pipe and cowl (Unit: Qty.)**<br>Supply to the work site and installation of a plastic vent pipe and cowl that protrudes min 0.50-m from the roofing, for installation on waste water pipes extending from the ceiling to the roofing in the garret. | | |
| 25.312.2101 | Ø70 mm | 66,74 | 15,38 |
| 25.312.2102 | Ø100 mm | 89,78 | 20,48 |
| 25.312.2103 | Ø125 mm | 108,70 | 22,69 |
| **25.312.2200** | **Automatic Waste Water Vent Stack Device (Unit: Qty.)**<br>Supply, installation and delivery in working order of a class A1 automatic vent stack device used at spots not available for ventilation shafts, which balances negative pressure, contains an odor-proof check valve, operates at temperatures from -20°C to +60°C, released with a CE compliance marking and manufactured in compliance with EN 12380. | | |
| 25.312.2201 | Automatic Waste Water Vent Stack Device, max. Ø50 mm (including Ø50 mm) | 447,38 | 39,00 |
| 25.312.2202 | Automatic Waste Water Vent Stack Device, max. Ø100 mm (including Ø100 mm) | 723,75 | 39,00 |
| **25.320.1000** | **COLD OR HOT WATER VALVES: (Unit: Qty.)**<br>The supply to the work site and installation of the valves in compliance with the Directive 2014/68/EU on Pressure Equipment, to be used as a cut-off element in cold or hot water installations, made of the brass or cast iron, water tight, screw or flanged gate valve and with valve seals. | | |
| **25.320.1100** | **Gate and globe valves; with brass screw, made with press in accordance with (TS EN 12,288), without vent;** | | |
| 25.320.1101 | Ø15 mm (1/2″) | 101,65 | 24,38 |
| 25.320.1102 | Ø20 mm (3/4″) | 126,93 | 26,83 |
| 25.320.1103 | Ø25 mm ( 1″) | 190,73 | 35,35 |
| 25.320.1104 | Ø32 mm (1¼″) | 311,10 | 40,23 |
| 25.320.1105 | Ø40 mm (1½″) | 408,43 | 42,68 |
| 25.320.1106 | Ø50 mm ( 2″) | 708,66 | 45,91 |
| **25.320.1200** | **Gate Valve, cast iron, flanged, PN 6-10;**<br>The supply to the work site and installation in its designated location of the gate valves in compliance with the Directive 2014/68/EU on Pressure Equipment, CE certified, in compliance with the Standard TS EN 1171, housing, cap, hand wheel nodular or cast iron, bolt nodular cast iron, spindle stainless steel, with EPDM or NBR seal, PN 6-10 pressure class. | | |
| 25.320.1201 | Ø40 mm | 1.601,94 | 67,44 |
| 25.320.1202 | Ø50 mm | 1.842,06 | 82,06 |
| 25.320.1203 | Ø65 mm | 2.363,94 | 86,94 |
| 25.320.1204 | Ø80 mm | 2.800,94 | 116,94 |
| 25.320.1205 | Ø100 mm | 3.540,81 | 130,81 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.320.1206 | Ø125 mm | 4.870,56 | 140,56 |
| 25.320.1207 | Ø150 mm | 5.852,56 | 160,06 |
| 25.320.1208 | Ø200 mm | 9.669,63 | 209,63 |
| 25.320.1209 | Ø250 mm | 15.244,94 | 229,94 |
| 25.320.1210 | Ø300 mm | 20.342,19 | 239,69 |
| 25.320.1211 | Ø350 mm | 29.232,81 | 247,81 |
| 25.320.1212 | Ø400 mm | 39.130,23 | 300,23 |
| 25.320.1213 | Ø500 mm | 71.922,94 | 340,44 |
| 25.320.1214 | Ø600 mm | 77.663,66 | 361,16 |
| **25.320.1300** | **Gate Valve, cast iron, flanged, PN 16;**<br>In compliance with the standard TS EN 1171, other features are the same as 207-400. | | |
| 25.320.1301 | Ø40 mm | 976,80 | 68,68 |
| 25.320.1302 | Ø50 mm | 1.051,44 | 82,06 |
| 25.320.1303 | Ø65 mm | 1.333,99 | 86,94 |
| 25.320.1304 | Ø80 mm | 1.898,11 | 116,94 |
| 25.320.1305 | Ø100 mm | 2.163,26 | 130,81 |
| 25.320.1306 | Ø125 mm | 2.982,96 | 140,56 |
| 25.320.1307 | Ø150 mm | 3.445,41 | 160,06 |
| 25.320.1308 | Ø200 mm | 7.471,06 | 209,63 |
| 25.320.1309 | Ø250 mm | 12.068,20 | 229,94 |
| 25.320.1310 | Ø300 mm | 16.160,40 | 239,69 |
| 25.320.1311 | Ø350 mm | 27.429,21 | 253,44 |
| 25.320.1312 | Ø400 mm | 38.028,65 | 300,23 |
| 25.320.1313 | Ø500 mm | 64.912,71 | 340,44 |
| 25.320.1314 | Ø600 mm | 88.425,31 | 361,16 |
| **25.320.1400** | **Ball valve with drain (column tap); brass, screw, press-made, in compliance with TS 15 EN 1213, with drainage** | | |
| 25.320.1401 | Ø15 mm (1/2″) | 125,35 | 30,48 |
| 25.320.1402 | Ø20 mm (3/4″) | 147,40 | 32,93 |
| 25.320.1403 | Ø25 mm ( 1″) | 234,38 | 35,35 |
| 25.320.1404 | Ø32 mm (1¼″) | 394,98 | 40,23 |
| 25.320.1405 | Ø40 mm (1½″) | 502,61 | 42,68 |
| 25.320.1406 | Ø50 mm ( 2″) | 752,54 | 45,10 |
| **25.320.2000** | **BALL VALVES: (TS 3148).**<br>The supply to the work site and installation in its designated location of ball valves, in compliance with the Directive 2014/68/EU on Pressure Equipment, with brass cut-off element, cast iron or stainless steel body, threaded, wafer, lug or flange, flow controlled by a ball, hand operated. | | |
| **25.320.2100** | **Brass, Teflon (PTFE) gasket made in press, full bore, threaded;** | | |
| 25.320.2101 | Ø15 mm (1/2″) | 104,81 | 24,38 |
| 25.320.2102 | Ø20 mm (3/4″) | 118,65 | 26,83 |
| 25.320.2103 | Ø25 mm ( 1″) | 176,51 | 29,25 |
| 25.320.2104 | Ø32 mm (1¼″) | 276,68 | 34,13 |
| 25.320.2105 | Ø40 mm (1½″) | 410,30 | 36,58 |
| 25.320.2106 | Ø50 mm ( 2″) | 655,28 | 39,00 |
| **25.320.2200** | **PN 16, nodular cast iron body, stainless steel ball, with Teflon seal, full bore, wafer or lug connection;** | | |
| 25.320.2201 | Ø40 mm | 699,00 | 61,75 |
| 25.320.2202 | Ø50 mm | 873,33 | 76,38 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.320.2203 | Ø65 mm | 1.186,55 | 81,25 |
| 25.320.2204 | Ø80 mm | 1.683,98 | 115,38 |
| 25.320.2205 | Ø100 mm | 2.338,88 | 125,13 |
| **25.320.2300** | **PN 10-16, cast iron body, stainless steel ball, full bore, stainless steel or teflon plate spring reinforced, two-piece, flanged;** | | |
| 25.320.2301 | Ø40 mm | 710,40 | 61,75 |
| 25.320.2302 | Ø50 mm | 886,33 | 76,38 |
| 25.320.2303 | Ø65 mm | 1.077,03 | 81,25 |
| 25.320.2304 | Ø80 mm | 1.619,56 | 115,38 |
| 25.320.2305 | Ø100 mm | 2.204,34 | 125,13 |
| 25.320.2306 | Ø125 mm | 3.912,28 | 134,88 |
| **25.320.2400** | **PN 10-16, cast iron body, stainless steel ball, full bore, stainless steel or Teflon plate spring reinforced, three-piece, threaded;** | | |
| 25.320.2401 | Ø15 mm (1/2″) | 402,44 | 28,44 |
| 25.320.2402 | Ø20 mm (3/4″) | 408,40 | 30,89 |
| 25.320.2403 | Ø25 mm ( 1″) | 470,43 | 33,31 |
| 25.320.2404 | Ø32 mm (1¼″) | 576,99 | 38,19 |
| 25.320.2405 | Ø40 mm (1½″) | 744,23 | 40,64 |
| 25.320.2406 | Ø50 mm ( 2″) | 937,15 | 43,06 |
| **25.320.2500** | **PN 10-16, cast iron body, stainless steel ball, full bore, stainless steel or teflon plate spring reinforced, three-piece, flanged;** | | |
| 25.320.2501 | Ø15 mm | 635,21 | 33,31 |
| 25.320.2502 | Ø20 mm | 678,05 | 42,25 |
| 25.320.2503 | Ø25 mm | 715,65 | 47,13 |
| 25.320.2504 | Ø32 mm | 915,71 | 52,00 |
| 25.320.2505 | Ø40 mm | 1.126,55 | 62,99 |
| 25.320.2506 | Ø50 mm | 1.277,85 | 76,38 |
| 25.320.2507 | Ø65 mm | 1.659,06 | 81,25 |
| 25.320.2508 | Ø80 mm | 2.250,06 | 111,25 |
| 25.320.2509 | Ø100 mm | 3.436,20 | 125,13 |
| 25.320.2510 | Ø125 mm | 5.433,99 | 134,88 |
| 25.320.2511 | Ø150 mm | 8.894,29 | 154,38 |
| 25.320.2512 | Ø200 mm | 16.759,29 | 203,94 |
| 25.320.2513 | Ø250 mm | 19.136,96 | 224,25 |
| **25.320.2600** | **PN 25-40, stainless steel body and ball, full bore, stainless steel or teflon plate spring reinforced, three-piece, flanged;** | | |
| 25.320.2601 | Ø15 mm (1/2″) | 831,81 | 28,44 |
| 25.320.2602 | Ø20 mm (3/4″) | 905,66 | 30,89 |
| 25.320.2603 | Ø25 mm ( 1″) | 1.101,36 | 33,31 |
| 25.320.2604 | Ø32 mm (1¼″) | 1.455,30 | 38,19 |
| 25.320.2605 | Ø40 mm (1½″) | 2.116,10 | 40,64 |
| 25.320.2606 | Ø50 mm ( 2″) | 2.577,44 | 43,06 |
| **25.320.2700** | **PN 25-40, flanged, other specifications the same as in item 25.320.2600** | | |
| 25.320.2701 | Ø15 mm Flanged | 1.175,80 | 42,25 |
| 25.320.2702 | Ø20 mm Flanged | 1.268,13 | 47,13 |
| 25.320.2703 | Ø25 mm Flanged | 1.413,25 | 52,00 |
| 25.320.2704 | Ø32 mm Flanged | 1.692,23 | 61,75 |
| 25.320.2705 | Ø40 mm Flanged | 2.324,44 | 80,44 |
| 25.320.2706 | Ø50 mm Flanged | 2.838,06 | 85,31 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.320.2707 | Ø65 mm Flanged | 3.973,50 | 123,50 |
| 25.320.2708 | Ø80 mm Flanged | 5.465,50 | 133,25 |
| 25.320.2709 | Ø100 mm Flanged | 7.847,06 | 147,06 |
| 25.320.2710 | Ø125 mm Flanged | 11.139,06 | 166,56 |
| 25.320.2711 | Ø150 mm Flanged | 17.702,44 | 223,44 |
| 25.320.2712 | Ø200 mm Flanged | 27.331,75 | 247,00 |
| **25.320.3000** | **NATURAL GAS BALL VALVES (TS EN 331)**<br>The supply to the work site and installation in its designated location of the ball valves manufactured in compliance with Directive 2014/68/EU on Construction Equipment, CE certified, MOP at working pressure between 5-20 bar, with brass cutter for use in natural gas installations, brass or nodular cast iron body, threaded or flanged, the flow is controlled by a sphere, stainless steel ball, manual opening and closing. | | |
| **25.320.3100** | **Brass, Teflon gasket made in press, full bore;** | | |
| 25.320.3101 | 15 Ø mm Threaded (1/2″) | 116,21 | 28,44 |
| 25.320.3102 | Ø20 mm (3/4″) Threaded | 147,40 | 30,89 |
| 25.320.3103 | Ø25 mm (1″) Threaded | 224,03 | 33,31 |
| 25.320.3104 | 32 Ø mm Threaded (1¼″) | 367,36 | 38,19 |
| 25.320.3105 | Ø40 mm (1½″) Threaded | 500,44 | 40,64 |
| 25.320.3106 | Ø50 mm(2″) Threaded | 743,21 | 43,06 |
| **25.320.3200** | **Nodular cast iron or cast steel body, stainless steel ball, stainless steel or Teflon plate spring reinforced, full bore, three-piece, flanged;** | | |
| 25.320.3201 | Ø15 mm | 709,95 | 33,31 |
| 25.320.3202 | Ø20 mm | 878,25 | 42,25 |
| 25.320.3203 | Ø25 mm | 1.092,13 | 47,13 |
| 25.320.3204 | Ø32 mm | 1.449,69 | 52,00 |
| 25.320.3205 | Ø40 mm | 1.763,73 | 62,99 |
| 25.320.3206 | Ø50 mm | 2.391,05 | 76,38 |
| **25.320.3300** | **Natural Gas Ball Valves (TS 9809)**<br>The supply to the work site and on-site installation in its designated location of the valves at PN16 - PN25 - PN40 working pressure, in compliance with TS 9809 to be used in natural gas installations, nodular or cast steel body, stainless steel ball, stainless steel Teflon plate spring reinforced gasket, full bore, flanged. | | |
| 25.320.3301 | Ø65 mm | 2.356,88 | 81,25 |
| 25.320.3302 | Ø80 mm | 2.870,88 | 111,25 |
| 25.320.3303 | Ø100 mm | 4.089,25 | 125,13 |
| 25.320.3304 | Ø125 mm | 7.245,00 | 134,88 |
| 25.320.3305 | Ø150 mm | 13.160,50 | 154,38 |
| 25.320.3306 | Ø200 mm | 24.493,31 | 203,94 |
| 25.320.3307 | Ø250 mm | 42.860,25 | 224,25 |
| **25.320.4100** | **LEVER OPERATED BUTTERFLY VALVES (PN 10-16) (TS EN 593 + A1)**<br>The supply to the work site and on-site installation in its designated location of butterfly valves in compliance with the Directive 2014/68/EU on Pressure Equipment, for use for hot and cold water (0°C + 110°C), air, all anticorrosion fluids, (GG-25) cast iron body, nodular cast iron, polyamide derived materials or stainless steel flap (disc), two flange clamping type, without sealing gasket and providing sealing with EPDM self seal, impermeable at PN 10-16 pressure limits, with locking mechanism which prevents it from interfering. | | |
| 25.320.4101 | Ø50 mm | 1.080,68 | 76,38 |
| 25.320.4102 | Ø65 mm | 1.101,50 | 81,25 |
| 25.320.4103 | Ø80 mm | 1.436,75 | 111,25 |
| 25.320.4104 | Ø100 mm | 1.893,38 | 125,13 |
| 25.320.4105 | Ø125 mm | 2.601,63 | 134,88 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.320.4106 | Ø150 mm | 3.004,63 | 144,63 |
| 25.320.4107 | Ø200 mm | 4.972,06 | 187,06 |
| 25.320.4108 | Ø250 mm | 7.986,44 | 203,94 |
| 25.320.4109 | Ø300 mm | 12.093,63 | 241,13 |
| 25.320.4110 | Ø350 mm | 21.082,80 | 273,41 |
| 25.320.4111 | Ø400 mm | 30.024,66 | 302,66 |
| 25.320.4112 | Ø500 mm | 47.376,41 | 351,41 |
| **25.320.5000** | **SUPER HEATED WATER STEAM VALVES (Unit: Qty.)**<br>The supply to the work site and installation of the super heated water of steam valves in compliance with 2014/68/EU Pressure Equipment Directive, gate, globe or piston type, cast iron, nodular graphite cast iron, cast steel or cast stainless steel body, valve stem, valve, seat, piston and gate made of stainless steel. | | |
| **25.320.5100** | **PN 16 Super Heated Water and Steam Valves; cast iron body, globe type, valve stem, valve and seat made of stainless steel, with flanged connection;** | | |
| 25.320.5101 | Ø15 mm Flanged | 1.016,16 | 42,25 |
| 25.320.5102 | Ø20 mm Flanged | 1.061,88 | 47,13 |
| 25.320.5103 | Ø25 mm Flanged | 1.201,64 | 52,00 |
| 25.320.5104 | Ø32 mm Flanged | 1.299,33 | 56,88 |
| 25.320.5105 | Ø40 mm Flanged | 1.554,18 | 62,99 |
| 25.320.5106 | Ø50 mm Flanged | 1.827,44 | 76,38 |
| 25.320.5107 | Ø65 mm Flanged | 2.494,38 | 81,25 |
| 25.320.5108 | Ø80 mm Flanged | 2.983,49 | 111,25 |
| 25.320.5109 | Ø100 mm Flanged | 3.597,55 | 125,13 |
| 25.320.5110 | Ø125 mm Flanged | 5.959,79 | 134,88 |
| 25.320.5111 | Ø150 mm Flanged | 10.676,84 | 154,38 |
| 25.320.5112 | Ø200 mm Flanged | 18.322,18 | 203,94 |
| 25.320.5113 | Ø250 mm Flanged | 28.227,64 | 224,25 |
| **25.320.5200** | **PN 16 Super Heated Water and Steam Valves; piston type, cast iron body, with threaded or flange connection;** | | |
| 25.320.5201 | Ø15 mm Flanged | 553,75 | 42,25 |
| 25.320.5202 | Ø20 mm Flanged | 698,88 | 47,13 |
| 25.320.5203 | Ø25 mm Flanged | 862,56 | 52,00 |
| 25.320.5204 | Ø32 mm Flanged | 1.218,06 | 56,88 |
| 25.320.5205 | Ø40 mm Flanged | 1.537,68 | 62,99 |
| 25.320.5206 | Ø50 mm Flanged | 2.124,44 | 76,38 |
| 25.320.5207 | Ø65 mm Flanged | 3.360,63 | 81,25 |
| 25.320.5208 | Ø80 mm Flanged | 4.463,13 | 111,25 |
| 25.320.5209 | Ø100 mm Flanged | 5.858,88 | 125,13 |
| **25.320.5300** | **PN 25-40 Super Heated Water and Steam Valves; piston type, cast steel or GGG 40 nodular cast iron body, with threaded or flange connection;** | | |
| 25.320.5301 | Ø15 mm Flanged | 894,81 | 47,13 |
| 25.320.5302 | Ø20 mm Flanged | 1.151,31 | 52,00 |
| 25.320.5303 | Ø25 mm Flanged | 1.401,63 | 56,88 |
| 25.320.5304 | Ø32 mm Flanged | 1.999,68 | 62,99 |
| 25.320.5305 | Ø40 mm Flanged | 2.778,25 | 76,38 |
| 25.320.5306 | Ø50 mm Flanged | 3.525,63 | 81,25 |
| **25.320.5400** | **PN 25-40 Super Heated Water and Steam Valves; cast steel or GGG 40 nodular cast iron body, globe type, valve stem, valve and seat made of stainless steel, with flanged connection;** | | |
| 25.320.5401 | Ø15 mm Flanged | 1.030,94 | 47,13 |
| 25.320.5402 | Ø20 mm Flanged | 1.136,88 | 52,00 |

25.300.-Joint Installation

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.320.5403 | Ø25 mm Flanged | | 1.381,00 | 56,88 |
| 25.320.5404 | Ø32 mm Flanged | | 1.671,74 | 62,99 |
| 25.320.5405 | Ø40 mm Flanged | | 2.027,50 | 76,38 |
| 25.320.5406 | Ø50 mm Flanged | | 2.473,75 | 81,25 |
| 25.320.5407 | Ø65 mm Flanged | | 3.794,75 | 123,50 |
| 25.320.5408 | Ø80 mm Flanged | | 4.485,13 | 133,25 |
| 25.320.5409 | Ø100 mm Flanged | | 6.685,19 | 147,06 |
| 25.320.5410 | Ø125 mm Flanged | | 10.087,19 | 166,56 |
| 25.320.5411 | Ø150 mm Flanged | | 13.196,56 | 223,44 |
| 25.320.5412 | Ø200 mm | Flanged | 22.955,13 | 247,00 |
| 25.320.5413 | Ø250 mm | Flanged | 48.395,50 | 256,75 |
| 25.320.5414 | Ø300 mm | Flanged | 62.842,75 | 266,50 |
| **25.320.5500** | **PN 16 Balance Piston, Super Heated Water and Steam Valves;**<br>The supply to the work site and installation in its designated location of balance piston valves with GG25 cast iron body, heavy and continuous operating conditions, designed as such that in the moment of opening and closing, the pressure on the piston is balanced in itself to provide easy opening and closing, stainless steel piston, two bodies for internal sealing, furnished a special ring as one set for sealing the cover, two sets for the shaft sealing, connection with wheel provided with piston shaft, cover and pressure nuts with high heat resistant disc-shaped springs, used for hot water, super heated water, steam and other fluids. | | | |
| 25.320.5501 | Ø65 mm Flanged | | 3.054,16 | 85,31 |
| 25.320.5502 | Ø80 mm Flanged | | 4.014,66 | 123,50 |
| 25.320.5503 | Ø100 mm Flanged | | 5.698,53 | 133,25 |
| 25.320.5504 | Ø125 mm Flanged | | 9.436,44 | 147,06 |
| 25.320.5505 | Ø150 mm Flanged | | 13.625,54 | 166,56 |
| 25.320.5506 | Ø200 mm Flanged | | 21.774,50 | 223,44 |
| **25.320.5600** | **PN 25-40 balance piston super heated water and steam valves; GSC-25 cast steel or GGG 40 nodular cast iron body, other features same as item 25.320.550.** | | | |
| 25.320.5601 | Ø65 mm Flanged | | 3.488,20 | 123,50 |
| 25.320.5602 | Ø80 mm Flanged | | 4.543,25 | 133,25 |
| 25.320.5603 | Ø100 mm Flanged | | 6.454,38 | 147,06 |
| 25.320.5604 | Ø125 mm Flanged | | 10.694,53 | 166,56 |
| 25.320.5605 | Ø150 mm Flanged | | 15.476,95 | 223,44 |
| 25.320.5606 | Ø200 mm Flanged | | 24.671,54 | 247,00 |
| **25.320.6100** | **Metal Bellow Globe Valve (PN-16)**<br>Supply to the work site and on-site installation of the valves with cast iron body, stainless steel metal bellows, stainless steel valve stem, valve and seat, with flange. | | | |
| 25.320.6101 | Ø15 mm | Flanged | 1.513,16 | 33,31 |
| 25.320.6102 | Ø20 mm | Flanged | 1.690,54 | 42,25 |
| 25.320.6103 | Ø25 mm | Flanged | 1.984,16 | 47,13 |
| 25.320.6104 | Ø32 mm | Flanged | 2.453,44 | 52,00 |
| 25.320.6105 | Ø40 mm | Flanged | 2.902,36 | 62,99 |
| 25.320.6106 | Ø50 mm | Flanged | 3.469,19 | 76,38 |
| 25.320.6107 | Ø65 mm | Flanged | 4.845,63 | 81,25 |
| 25.320.6108 | Ø80 mm | Flanged | 6.078,75 | 111,25 |
| 25.320.6109 | Ø100 mm | Flanged | 8.065,75 | 125,13 |
| 25.320.6110 | Ø125 mm | Flanged | 12.093,94 | 134,88 |
| 25.320.6111 | Ø150 mm | Flanged | 15.939,38 | 154,38 |
| 25.320.6112 | Ø200 mm | Flanged | 27.538,94 | 203,94 |
| 25.320.6113 | Ø250 mm | Flanged | 55.207,06 | 224,25 |

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| **25.320.6200** | **Metal Bellow Globe Valve (PN 25-40)**<br>Supply to the work site and on-site installation of a cast steel or nodular cast iron GGG 40 body, valves with stainless steel metal bellows, stainless steel valve stem, valve and seat, with flange. | | | |
| 25.320.6201 | Ø15 mm | Flanged | 2.140,50 | 42,25 |
| 25.320.6202 | Ø20 mm | Flanged | 2.349,90 | 47,13 |
| 25.320.6203 | Ø25 mm | Flanged | 2.722,94 | 52,00 |
| 25.320.6204 | Ø32 mm | Flanged | 3.287,36 | 62,99 |
| 25.320.6205 | Ø40 mm | Flanged | 3.757,94 | 76,38 |
| 25.320.6206 | Ø50 mm | Flanged | 4.364,38 | 81,25 |
| 25.320.6207 | Ø65 mm | Flanged | 6.728,44 | 111,25 |
| 25.320.6208 | Ø80 mm | Flanged | 8.089,81 | 125,13 |
| 25.320.6209 | Ø100 mm | Flanged | 11.564,56 | 134,88 |
| 25.320.6210 | Ø125 mm | Flanged | 15.915,31 | 154,38 |
| 25.320.6211 | Ø150 mm | Flanged | 22.750,50 | 203,94 |
| 25.320.6212 | Ø200 mm | Flanged | 37.376,75 | 224,25 |
| **25.320.7000** | **BALANCE VALVES (Unit: Qty., Materials on construction site: 80%)**<br>The installation, adjustment and delivery in working order of the balancing valve to be used in heating, cooling, HVAC and hot water installations, with two measuring points, preset value readable on two scales (main setting/precise setting scales) located on one side of the wheel, with a measurement chamber enabling the water reach the measuring point by turning around the valve stem, with two measuring points for the measurement of flow rate, pressure difference and temperature, having the feature to prevent the valve from opening at the set value and allowing the mounting of a seal. | | | |
| **25.320.7100** | **Static Balancing Valve; For heating, cooling and HVAC installations, threaded;**<br>The installation, adjustment and the delivery in working order of the valves at PN 16-PN 25 pressure class, the body and head part made of cast bronze, the flap and stem made of brass material against zinc formation, flap with PTFE joint, the stem sealed with double O-ring. | | | |
| 25.320.7101 | Ø15 mm (1/2″) | | 658,44 | 47,94 |
| 25.320.7102 | Ø20 mm (3/4″) | | 746,50 | 61,75 |
| 25.320.7103 | Ø25 mm (1″) | | 1.016,25 | 81,25 |
| 25.320.7104 | Ø32 mm (1¼″) | | 1.260,63 | 105,63 |
| 25.320.7105 | Ø40 mm (1½″) | | 1.621,88 | 130,00 |
| 25.320.7106 | Ø50 mm (2″) | | 2.179,75 | 154,38 |
| **25.320.7200** | **Static Balancing Valve; For heating, cooling and HVAC installations, flanged;**<br>The supply, installation, adjustment and the delivery of the valves at PN 16 pressure class, the body made of GG-25 cast iron and head part made of cast bronze, the stem and the valve flap made of brass material against zinc formation, flap with PTFE joint, flanged. | | | |
| 25.320.7201 | Ø65 mm | | 3.358,44 | 223,44 |
| 25.320.7202 | Ø80 mm | | 3.849,50 | 247,00 |
| 25.320.7203 | Ø100 mm | | 5.684,06 | 280,31 |
| 25.320.7204 | Ø125 mm | | 7.436,06 | 299,81 |
| 25.320.7205 | Ø150 mm | | 10.425,63 | 333,13 |
| 25.320.7206 | Ø200 mm | | 21.180,00 | 390,00 |
| 25.320.7207 | Ø250 mm | | 37.827,31 | 413,56 |
| 25.320.7208 | Ø300 mm | | 51.005,63 | 446,88 |
| **25.320.7300** | **Dynamic Balancing Valve; For heating, cooling and HVAC installations, threaded;**<br>The installation, adjustment and delivery in working order of the dynamic balance valve for use in the HVAC systems, with cast brass body, the cartridge made of a plastic-based material, the spring made of stainless steel, with flow metering points, PN-16 class.<br>Installation, adjustment and delivery in working order of dynamic balancing valves with cartridges with 15Ø (1/2"") and 20Ø (3/4"") threads (internal threads) and 25Ø (1"") - 40Ø | | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | (1½"") (external threads). | | |
| 25.320.7301 | Ø15 mm (1/2″) | 1.171,81 | 33,31 |
| 25.320.7302 | Ø20 mm (3/4″) | 1.467,00 | 61,75 |
| 25.320.7303 | Ø25 mm (1″) | 1.916,81 | 85,31 |
| 25.320.7304 | Ø32 mm (1¼″) | 2.273,54 | 113,75 |
| 25.320.7305 | Ø40 mm (1½″) | 3.379,96 | 142,19 |
| **25.320.7400** | **Dynamic Balancing Valve; For heating, cooling and HVAC installations, wafer type;**<br>The installation, adjustment and delivery in working order of the dynamic balance valve for use in the HVAC systems, with nodular cast iron body, the cartridge made of 304 stainless steel, with flow metering points, PN-16 class, flanged type, with cartridge | | |
| 25.320.7401 | Ø50 mm | 4.802,44 | 166,56 |
| 25.320.7402 | Ø65 mm | 6.038,86 | 223,44 |
| 25.320.7403 | Ø80 mm | 6.419,04 | 247,00 |
| 25.320.7404 | Ø100 mm | 10.100,70 | 280,31 |
| 25.320.7405 | Ø125 mm | 16.546,43 | 299,81 |
| 25.320.7406 | Ø150 mm | 21.009,90 | 333,13 |
| 25.320.7407 | Ø200 mm | 32.553,15 | 390,00 |
| 25.320.7408 | Ø250 mm | 51.751,15 | 413,56 |
| 25.320.7409 | Ø300 mm | 60.027,55 | 446,88 |
| **25.320.8000** | **PRESSURE REDUCING VALVES: (Unit: Qty.)**<br>The supply to the work site, installation in its designed location, adjustment and delivery in working order of the pressure reducing valves for water, steam and other non-flammable gases, to be selected according to the flow rate and temperature for the inlet and outlet pressures given in the approved project the body of the cast iron or steel, shaft and housing contact surfaces of bronze or stainless steel, flanges appropriate for the pressure, in case of change in the demand for inlet pressure and flow, the pressure reducing valve shall keep the output pressure at the set values with precision. | | |
| **25.320.8100** | **Pressure Reducing Valve for water;** | | |
| 25.320.8101 | Ø15 mm Threaded (1/2″) | 431,51 | 33,31 |
| 25.320.8102 | Ø20 mm Threaded (3/4″) | 458,05 | 42,25 |
| 25.320.8103 | Ø25 mm Threaded (1″) | 823,73 | 47,13 |
| 25.320.8104 | Ø32 mm Threaded (1¼″) | 1.154,20 | 52,00 |
| 25.320.8105 | Ø40 mm Threaded (1½″) | 1.543,59 | 62,99 |
| 25.320.8106 | Ø50 mm Threaded (2″) | 2.027,78 | 76,38 |
| 25.320.8107 | Ø65 mm Threaded or Flanged | 2.985,25 | 81,25 |
| 25.320.8108 | Ø80 mm Threaded or Flanged | 3.873,25 | 111,25 |
| 25.320.8109 | Ø100 mm Threaded or Flanged | 4.129,13 | 125,13 |
| 25.320.8110 | Ø125 mm Threaded or Flanged | 4.908,88 | 134,88 |
| 25.320.8111 | Ø150 mm Threaded or Flanged | 7.634,38 | 154,38 |
| **25.320.8200** | **Pressure Reducing Valve, for steam, PN 16, flanged;** | | |
| 25.320.8201 | Ø15 mm | 2.321,31 | 33,31 |
| 25.320.8202 | Ø20 mm | 2.506,25 | 42,25 |
| 25.320.8203 | Ø25 mm | 2.687,13 | 47,13 |
| 25.320.8204 | Ø32 mm | 3.418,00 | 52,00 |
| 25.320.8205 | Ø40 mm | 3.846,99 | 62,99 |
| 25.320.8206 | Ø50 mm | 4.806,38 | 76,38 |
| 25.320.8207 | Ø65 mm | 12.555,25 | 81,25 |
| 25.320.8208 | Ø80 mm | 12.717,25 | 111,25 |
| 25.320.8209 | Ø100 mm | 16.141,13 | 125,13 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.320.8300** | **For the pressure reducing valve (for steam), the installed unit prices for PN 25 flanged item 25.320.8200 are increased by 25% with the installation fees remaining unchanged.** | | |
| **25.320.9100** | **THERMOSTATIC MIXTURE VALVE (Unit: Qty.) (TS EN 1111)**<br>The supply to the work site and installation in its designated location of thermostatic mixture valves keeping the water temperature at the set value between 20-60°C, equipped with a safety button at 38 C against scalding, having a check valve that completely cuts off the water for safety in case of sudden changes in the amount and pressure of hot or cold water, having no opening and closing mechanism and making only mixtures. | | |
| 25.320.9101 | Ø15 mm (1/2″) | 1.306,20 | 39,00 |
| 25.320.9102 | Ø20 mm (3/4″) | 1.481,78 | 48,75 |
| **25.320.9200** | **FLOAT TYPE LEVEL CONTROL VALVE, PN16, Flanged; (Unit: Qty.)**<br>The supply to the work site, on-site installation and delivery in working order of the level control valves in compliance with the Directive (2014/68/EU) on Pressure Equipment, body and cover made of cast iron of nodular cast iron, to be mounted horizontally or vertically, controlling the water level in the storage vessels or reservoirs, complete with the body, float, necessary equipment features to transmit the float movements to the valve's control section. | | |
| 25.320.9201 | Ø50 mm | 6.684,63 | 76,38 |
| 25.320.9202 | Ø65 mm | 7.407,25 | 81,25 |
| 25.320.9203 | Ø80 mm | 9.689,50 | 111,25 |
| 25.320.9204 | Ø100 mm | 11.039,88 | 125,13 |
| **25.325.1000** | **SILT TRAPS (TS 11494): (Unit: Qty.)**<br>The supply to the work site and installation of flanged or threaded type silt traps for use in the liquid, steam and gas systems, body made of brass, bronze, nodular cast iron, cat iron or steel, the filter element made of brass of stainless steel, filter easy to remove and clean.<br>Note: Filter sensitivity shall<br>let through maximum 500 µm (0.5 mm) particles for up to DN 20,<br>let through maximum 700 µm (0.7 mm) particles for up to DN 50,<br>let through maximum 1200 µm (1.2 mm) particles for up to DN 150<br>. | | |
| **25.325.1100** | **Silt trap, PN-16 for steam, die casting threaded;** | | |
| 25.325.1101 | Ø15 mm (1/2″) | 91,80 | 24,38 |
| 25.325.1102 | Ø20 mm (3/4″) | 125,14 | 26,83 |
| 25.325.1103 | Ø25 mm (1″) | 175,10 | 29,25 |
| 25.325.1104 | Ø32 mm (1¼″) | 257,73 | 34,13 |
| 25.325.1105 | Ø40 mm (1½″) | 309,10 | 36,58 |
| 25.325.1106 | Ø50 mm ( 2″) | 431,15 | 39,00 |
| **25.325.1200** | **Silt trap, PN-16, for steam and super heated water, cast iron body, diameters bigger than Ø65 reinforced, stainless steel filter element, threaded or flanged;** | | |
| 25.325.1201 | Ø15 mm Threaded or Flanged | 327,84 | 33,31 |
| 25.325.1202 | Ø20 mm Threaded or Flanged | 399,89 | 42,25 |
| 25.325.1203 | Ø25 mm Threaded or Flanged | 451,79 | 47,13 |
| 25.325.1204 | Ø32 mm Threaded or Flanged | 538,34 | 52,00 |
| 25.325.1205 | Ø40 mm Threaded or Flanged | 645,85 | 62,99 |
| 25.325.1206 | Ø50 mm Threaded or Flanged | 905,50 | 76,38 |
| 25.325.1207 | Ø65 mm Flanged | 1.107,14 | 81,25 |
| 25.325.1208 | Ø80 mm Flanged | 1.577,69 | 111,25 |
| 25.325.1209 | Ø100 mm Flanged | 2.134,83 | 125,13 |
| 25.325.1210 | Ø125 mm Flanged | 3.241,00 | 134,88 |
| 25.325.1211 | Ø150 mm Flanged | 4.377,96 | 154,38 |
| 25.325.1212 | Ø200 mm Flanged | 7.917,28 | 203,94 |
| 25.325.1213 | Ø250 mmFlanged | 12.301,01 | 224,25 |
| 25.325.1214 | Ø300 mmFlanged | 17.272,80 | 255,94 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.325.1300** | **Silt trap, PN 25-40 stainless steel body, stainless steel filter element, diameters bigger than Ø65 reinforced, threaded or flanged** | | |
| 25.325.1301 | Ø15 mm Threaded or Flanged | 675,28 | 42,25 |
| 25.325.1302 | Ø20 mm Threaded or Flanged | 805,83 | 47,13 |
| 25.325.1303 | Ø25 mm Threaded or Flanged | 976,14 | 52,00 |
| 25.325.1304 | Ø32 mm Threaded or Flanged | 1.142,95 | 62,99 |
| 25.325.1305 | Ø40 mm Threaded or Flanged | 1.293,99 | 76,38 |
| 25.325.1306 | Ø50 mm Threaded or Flanged | 1.996,09 | 81,25 |
| 25.325.1307 | Ø65 mm Flanged | 3.445,39 | 111,25 |
| 25.325.1308 | Ø80 mm Flanged | 4.753,06 | 125,13 |
| 25.325.1309 | Ø100 mm Flanged | 6.183,11 | 134,88 |
| 25.325.1310 | Ø125 mm Flanged | 9.472,75 | 154,38 |
| 25.325.1311 | Ø150 mm Flanged | 12.151,75 | 203,94 |
| 25.325.1312 | Ø200 mm Flanged | 19.024,29 | 224,25 |
| **25.325.1400** | **Silt trap, PN 25-40, for steam and super heated water, cast steel or nodular cat iron body, stainless steel filter element, reinforced, threaded or flanged** | | |
| 25.325.1401 | Ø15 mm Threaded or Flanged | 523,61 | 42,25 |
| 25.325.1402 | Ø20 mm Threaded or Flanged | 632,18 | 47,13 |
| 25.325.1403 | Ø25 mm Threaded or Flanged | 722,05 | 52,00 |
| 25.325.1404 | Ø32 mm Threaded or Flanged | 924,81 | 62,99 |
| 25.325.1405 | Ø40 mm Threaded or Flanged | 1.062,24 | 76,38 |
| 25.325.1406 | Ø50 mm Threaded or Flanged | 1.532,70 | 81,25 |
| 25.325.1407 | Ø65 mm Flanged | 2.077,54 | 111,25 |
| 25.325.1408 | Ø80 mm Flanged | 2.950,21 | 125,13 |
| 25.325.1409 | Ø100 mm Flanged | 4.173,41 | 134,88 |
| 25.325.1410 | Ø125 mm Flanged | 6.193,00 | 154,38 |
| 25.325.1411 | Ø150 mm Flanged | 8.613,06 | 203,94 |
| **25.325.2000** | **CHECK VALVES (For hot and cold water); (TS EN 1074-3) (Unit: Qty.)**<br>The supply to the work site and installation of check valves for use in hot and cold water installations, with brass, die cast or cast iron body, operating in horizontal or vertical position, hinged or seated flap or ball type. | | |
| **25.325.2100** | **Brass die casting, threaded;** | | |
| 25.325.2101 | Ø15 mm (1/2″) | 86,41 | 24,38 |
| 25.325.2102 | Ø20 mm (3/4″) | 103,55 | 26,83 |
| 25.325.2103 | Ø25 mm ( 1″) | 147,78 | 29,25 |
| 25.325.2104 | Ø32 mm (1¼″) | 222,74 | 34,13 |
| 25.325.2105 | Ø40 mm (1½″) | 297,55 | 36,58 |
| 25.325.2106 | Ø50 mm ( 2″) | 409,56 | 39,00 |
| **25.325.2200** | **Cast iron body, threaded or flanged;** | | |
| 25.325.2201 | Ø15 mm (1/2″) Threaded or Flanged | 540,55 | 33,31 |
| 25.325.2202 | Ø20 mm (3/4″) Threaded or Flanged | 677,36 | 42,25 |
| 25.325.2203 | Ø25 mm (1″) Threaded or Flanged | 827,16 | 47,13 |
| 25.325.2204 | Ø32 mm (1¼″) Threaded or Flanged | 1.062,21 | 52,00 |
| 25.325.2205 | Ø40 mm (1½″) Threaded or Flanged | 1.267,15 | 62,99 |
| 25.325.2206 | Ø50 mm (2″) Threaded or Flanged | 1.685,48 | 76,38 |
| **25.325.2300** | **Cast iron body, flanged;** | | |
| 25.325.2301 | Ø65 mm | 1.886,49 | 81,25 |
| 25.325.2302 | Ø80 mm | 2.337,10 | 111,25 |
| 25.325.2303 | Ø100 mm | 2.851,28 | 125,13 |

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.325.2304 | Ø125 mm | | 4.890,93 | 134,88 |
| 25.325.2305 | Ø150 mm | | 7.716,88 | 154,38 |
| **25.325.3000** | **CHECK VALVES (for steam and super heated water); (TS EN 12334) (Unit: Qty.)**<br>The supply and on-site installation at the places specified in the design of check valves manufactured in compliance with the Directive (2014/68/EU) on Pressure Equipment with brass, cast iron, steel or stainless steel body according to the place of use and the pressure and temperature, brass, cast iron, steel or stainless steel body; of hinged or seated type, with flap or compression spring type. | | | |
| **25.325.3100** | **Cast iron body, flapper ring screwed to the body and replaceable, threaded or flanged; PN 16;** | | | |
| 25.325.3101 | Ø15 mm | | 637,21 | 33,31 |
| 25.325.3102 | Ø20 mm | | 674,61 | 42,25 |
| 25.325.3103 | Ø25 mm | | 794,58 | 47,13 |
| 25.325.3104 | Ø32 mm | | 869,99 | 52,00 |
| 25.325.3105 | Ø40 mm | | 991,11 | 62,99 |
| 25.325.3106 | Ø50 mm | | 1.379,46 | 76,38 |
| 25.325.3107 | Ø65 mm | | 1.791,48 | 81,25 |
| 25.325.3108 | Ø80 mm | | 2.219,95 | 111,25 |
| 25.325.3109 | Ø100 mm | | 2.707,79 | 125,13 |
| 25.325.3110 | Ø125 mm | | 4.640,61 | 134,88 |
| 25.325.3111 | Ø150 mm | | 9.388,18 | 155,19 |
| 25.325.3112 | Ø200 mm | | 14.745,38 | 204,75 |
| 25.325.3113 | Ø250 mm | | 18.004,65 | 224,25 |
| **25.325.3200** | **Check Valve; cast iron body, with compression spring and valve, threaded or flanged, PN 16;** | | | |
| 25.325.3201 | Ø15 mm | Threaded or Flanged | 645,31 | 33,31 |
| 25.325.3202 | Ø20 mm | Threaded or Flanged | 699,13 | 42,25 |
| 25.325.3203 | Ø25 mm | Threaded or Flanged | 894,58 | 47,13 |
| 25.325.3204 | Ø32 mm | Threaded or Flanged | 1.057,54 | 52,00 |
| 25.325.3205 | Ø40 mm | Threaded or Flanged | 1.209,88 | 62,99 |
| 25.325.3206 | Ø50 mm | Threaded or Flanged | 1.720,81 | 76,38 |
| 25.325.3207 | Ø65 mm | Flanged | 2.077,20 | 81,25 |
| 25.325.3208 | Ø80 mm | Flanged | 2.811,19 | 111,25 |
| 25.325.3209 | Ø100 mm | Flanged | 3.187,91 | 125,13 |
| 25.325.3210 | Ø125 mm | Flanged | 6.046,09 | 134,88 |
| 25.325.3211 | Ø150 mm | Flanged | 11.567,40 | 155,19 |
| 25.325.3212 | Ø200 mm | Flanged | 18.092,68 | 204,75 |
| 25.325.3213 | Ø250 mmFlanged | | 24.755,94 | 224,25 |
| **25.325.3300** | **Check Valve; PN 16, brass body, internal parts made of complete stainless steel (disco type, placed between flanges)** | | | |
| 25.325.3301 | Ø15 mm | | 381,10 | 33,31 |
| 25.325.3302 | Ø20 mm | | 400,11 | 42,25 |
| 25.325.3303 | Ø25 mm | | 474,60 | 47,13 |
| 25.325.3304 | Ø32 mm | | 587,54 | 52,00 |
| 25.325.3305 | Ø40 mm | | 687,40 | 62,99 |
| 25.325.3306 | Ø50 mm | | 987,40 | 76,38 |
| 25.325.3307 | Ø65 mm | | 1.185,35 | 81,25 |
| 25.325.3308 | Ø80 mm | | 1.502,60 | 111,25 |
| 25.325.3309 | Ø100 mm | | 1.780,68 | 125,13 |
| **25.325.3400** | **Cast steel body, with compression spring and valve, with Teflon seat, threaded or flanged, PN 25-40;** | | | |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.325.3401 | Ø15 mm Threaded or Flanged | 880,71 | 42,25 |
| 25.325.3402 | Ø20 mm Threaded or Flanged | 897,63 | 47,13 |
| 25.325.3403 | Ø25 mm Threaded or Flanged | 1.091,94 | 52,00 |
| 25.325.3404 | Ø32 mm Threaded or Flanged | 1.204,11 | 62,99 |
| 25.325.3405 | Ø40 mm Threaded or Flanged | 1.418,66 | 76,38 |
| 25.325.3406 | Ø50 mm Threaded or Flanged | 1.954,01 | 81,25 |
| 25.325.3407 | Ø65 mm Flanged | 2.458,23 | 111,25 |
| 25.325.3408 | Ø80 mm Flanged | 3.120,68 | 125,13 |
| 25.325.3409 | Ø100 mm Flanged | 3.859,88 | 134,88 |
| 25.325.3410 | Ø125 mm Flanged | 9.290,68 | 155,19 |
| 25.325.3411 | Ø150 mm Flanged | 16.704,75 | 204,75 |
| 25.325.3412 | Ø200 mmFlanged | 30.028,51 | 224,25 |
| 25.325.3413 | Ø250 mmFlanged | 37.234,69 | 234,41 |
| **25.327.1000** | **SAFETY DEVICES (TS EN ISO 4126-1, 4, 6, 7): (Unit: Qty.)**<br>The delivery in working order of the safety devices manufactured in compliance with the Directive (2014/68/EU) and released with TSE certificate of compliance, with the stainless steel stem, working without jamming, with all the adjustments done. | | |
| **25.327.1100** | **Safety valve; brass body, spring type, threaded, PN 16;** | | |
| 25.327.1101 | Ø15 mm (1/2″) | 342,00 | 24,38 |
| 25.327.1102 | Ø20 mm (3/4″) | 474,39 | 26,83 |
| 25.327.1103 | Ø25 mm ( 1″) | 624,80 | 29,25 |
| 25.327.1104 | Ø32 mm (1¼″) | 911,21 | 34,13 |
| 25.327.1105 | Ø40 mm (1½″) | 1.130,23 | 36,58 |
| 25.327.1106 | Ø50 mm ( 2″) | 1.536,90 | 39,00 |
| **25.327.1200** | **Safety valve; cast iron, weight or spring actuated, slow (proportional) start, flanged, PN 16; (TSE certified)** | | |
| 25.327.1201 | Ø32 mm | 2.848,38 | 76,38 |
| 25.327.1202 | Ø40 mm | 3.620,50 | 81,25 |
| 25.327.1203 | Ø50 mm | 4.372,38 | 115,38 |
| 25.327.1204 | Ø65 mm | 6.980,88 | 125,13 |
| 25.327.1205 | Ø80 mm | 9.416,13 | 134,88 |
| 25.327.1206 | Ø100 mm | 12.926,19 | 155,19 |
| **25.327.1300** | **Safety valve; cast iron body, weight or spring actuated, fast (full) start, flanged, PN 16; (TSE certified)** | | |
| 25.327.1301 | Ø32 mm | 3.887,88 | 76,38 |
| 25.327.1302 | Ø40 mm | 5.278,75 | 81,25 |
| 25.327.1303 | Ø50 mm | 6.525,63 | 115,38 |
| 25.327.1304 | Ø65 mm | 10.099,38 | 125,13 |
| 25.327.1305 | Ø80 mm | 13.153,38 | 134,88 |
| 25.327.1306 | Ø100 mm | 17.356,44 | 155,19 |
| **25.330.1000** | **EXPANSION JOINTS (Compensators): Axial type (bellows); (Unit: Qty.)**<br>The installation and delivery in working order of the compensators with the bellows made of stainless steel or the body of cast iron in accordance with the pressure and temperature ratings, selected in compliance with the data like operating pressures, temperatures, sizes, material types, elongation obtained from the approved project. | | |
| **25.330.1100** | **Tubular expansion part: Can take 100 mm elongation. Pig-cast with PN 10 flanges:** | | |
| 25.330.1101 | Ø40 mm | 971,38 | 66,63 |
| 25.330.1102 | Ø50 mm | 1.120,94 | 95,88 |
| 25.330.1103 | Ø65 mm | 1.303,94 | 105,63 |
| 25.330.1104 | Ø80 mm | 1.559,13 | 115,38 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.330.1105 | Ø100 mm | 2.006,94 | 134,88 |
| 25.330.1106 | Ø125 mm | 2.348,25 | 168,19 |
| 25.330.1107 | Ø150 mm | 3.060,75 | 187,69 |
| 25.330.1108 | Ø200 mm | 4.447,00 | 207,19 |
| **25.330.1200** | **Angular, lateral and axial moving expansion joints with bellows;**<br>The supply, on-site installation and delivery in working order of the expansion joints made of special alloy stainless steel with bellows, angular, axial and lateral movement for use in steam, hot water, gas and fuel systems, with flange, welding neck, articulated and with limiters. (Operating temperature +425°C -80°C) PN-16, 30 mm expansion | | |
| 25.330.1201 | Ø40 mm | 1.279,38 | 66,63 |
| 25.330.1202 | Ø50 mm | 1.459,19 | 95,88 |
| 25.330.1203 | Ø65 mm | 1.623,63 | 105,63 |
| 25.330.1204 | Ø80 mm | 1.988,13 | 115,38 |
| 25.330.1205 | Ø100 mm | 2.362,38 | 134,88 |
| 25.330.1206 | Ø125 mm | 2.931,94 | 168,19 |
| 25.330.1207 | Ø150 mm | 3.549,56 | 187,69 |
| 25.330.1208 | Ø175 mm | 4.322,44 | 197,44 |
| 25.330.1209 | Ø200 mm | 6.167,81 | 207,19 |
| 25.330.1210 | Ø250 mm | 8.425,69 | 216,94 |
| 25.330.1211 | Ø300 mm | 11.797,31 | 226,69 |
| **25.330.1300** | **Can take PN-16 60 mm elongation. For the expansion joints, the unit prices including installation at item 25.330.1200 are applied with an increase of 20%, the installation costs with no increase.** | | |
| **25.330.1400** | **Axial type expansion joint with bellows;**<br>The supply, on-site installation and delivery in working order of the expansion joints of stainless steel, bellows, special alloy, with two ends with thread connection, for use in steam hot water and heating circuits. (Operating temperature +425°C -80°C) PN-16, 30 mm expansion | | |
| 25.330.1401 | Ø15 mm | 472,63 | 33,31 |
| 25.330.1402 | Ø20 mm | 700,19 | 42,25 |
| 25.330.1403 | Ø25 mm | 709,19 | 47,13 |
| 25.330.1404 | Ø32 mm | 754,00 | 56,88 |
| 25.330.1405 | Ø40 mm | 965,88 | 66,63 |
| 25.330.1406 | Ø50 mm | 1.122,94 | 99,94 |
| **25.330.2000** | **External pressure type, with stainless steel (AISI 304, 321, 316 Grade) Axial type expansion joint with bellows**<br>The supply, on-site installation and delivery in working order of the welded neck flanged expansion joints with stainless steel bellows, axial movement, pipe mechanism preventing the outer part of the bellows' wall from being affected by the pressure, additionally having inner rings providing the guidance and limiters limiting the movements for the use with steam, super heated water, hot oil systems. (Operating temperature +425°C -80°C) PN-16 (Operating temperature +425°C -80°C) PN-16 | | |
| **25.330.2100** | **External pressure type, with stainless steel (AISI 304, 321, 316 Grade) Axial type expansion joint with bellows; (compensator) with 30 mm expansion.** | | |
| 25.330.2101 | Ø25 mm | 1.291,75 | 66,63 |
| 25.330.2102 | Ø32 mm | 1.426,19 | 95,88 |
| 25.330.2103 | Ø40 mm | 1.556,13 | 95,88 |
| 25.330.2104 | Ø50 mm | 1.801,15 | 95,88 |
| 25.330.2105 | Ø65 mm | 2.075,73 | 105,63 |
| 25.330.2106 | Ø80 mm | 2.352,78 | 115,38 |
| 25.330.2107 | Ø100 mm | 2.848,71 | 134,88 |
| 25.330.2108 | Ø125 mm | 3.927,71 | 168,19 |
| 25.330.2109 | Ø150 mm | 4.747,73 | 197,44 |
| 25.330.2110 | Ø200 mm | 6.410,78 | 207,19 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.330.2111 | Ø250 mm | 10.597,09 | 216,94 |
| 25.330.2112 | Ø300 mm | 16.039,19 | 226,69 |
| **25.330.2200** | **External pressure type, with stainless steel (AISI 304, 321, 316 Grade) Axial type expansion joint with bellows; (compensator) with 60 mm expansion.** | | |
| 25.330.2201 | Ø25 mm | 1.457,79 | 66,63 |
| 25.330.2202 | Ø32 mm | 1.592,84 | 95,88 |
| 25.330.2203 | Ø40 mm | 1.750,90 | 95,88 |
| 25.330.2204 | Ø50 mm | 2.051,34 | 95,88 |
| 25.330.2205 | Ø65 mm | 2.366,75 | 105,63 |
| 25.330.2206 | Ø80 mm | 2.697,84 | 115,38 |
| 25.330.2207 | Ø100 mm | 3.285,55 | 134,88 |
| 25.330.2208 | Ø125 mm | 4.515,39 | 168,19 |
| 25.330.2209 | Ø150 mm | 5.425,05 | 197,44 |
| 25.330.2210 | Ø200 mm | 7.620,16 | 207,19 |
| 25.330.2211 | Ø250 mm | 12.617,16 | 216,94 |
| 25.330.2212 | Ø300 mm | 16.039,19 | 226,69 |
| **25.330.2300** | **External pressure type, with stainless steel (AISI 304, 321, 316 Grade) Axial type expansion joint with bellows; (compensator) with 90 mm expansion.** | | |
| 25.330.2301 | Ø25 mm | 1.463,76 | 66,63 |
| 25.330.2302 | Ø32 mm | 1.604,39 | 95,88 |
| 25.330.2303 | Ø40 mm | 1.750,41 | 95,88 |
| 25.330.2304 | Ø50 mm | 2.083,30 | 95,88 |
| 25.330.2305 | Ø65 mm | 2.399,95 | 105,63 |
| 25.330.2306 | Ø80 mm | 2.763,63 | 115,38 |
| 25.330.2307 | Ø100 mm | 3.404,35 | 134,88 |
| 25.330.2308 | Ø125 mm | 4.615,76 | 168,19 |
| 25.330.2309 | Ø150 mm | 5.559,53 | 197,44 |
| 25.330.2310 | Ø200 mm | 7.484,93 | 207,19 |
| 25.330.2311 | Ø250 mm | 12.563,48 | 216,94 |
| 25.330.2312 | Ø300 mm | 18.789,19 | 226,69 |
| **25.330.3100** | **Angular, lateral, axial moving expansion joint with double bellows;**<br>The supply, on-site installation and delivery in working order of the expansion joints made of special alloy stainless steel with double bellows (corrugated), angular, lateral and axial movement for use in steam, hot water and fuel systems, dilation crossovers, compensation of the seismic movements, with flange, welding neck, articulated and with limiting bars. PN 16 compensator with 30 mm axial, 75 mm lateral movement. | | |
| 25.330.3101 | Ø25 mm | 1.882,39 | 66,63 |
| 25.330.3102 | Ø32 mm | 2.100,29 | 95,88 |
| 25.330.3103 | Ø40 mm | 2.180,46 | 95,88 |
| 25.330.3104 | Ø50 mm | 2.472,86 | 95,88 |
| 25.330.3105 | Ø65 mm | 3.081,58 | 105,63 |
| 25.330.3106 | Ø80 mm | 3.520,51 | 115,38 |
| 25.330.3107 | Ø100 mm | 4.454,96 | 134,88 |
| 25.330.3108 | Ø125 mm | 6.148,39 | 168,19 |
| 25.330.3109 | Ø150 mm | 7.941,53 | 197,44 |
| 25.330.3110 | Ø200 mm | 11.196,05 | 207,19 |
| 25.330.3111 | Ø250 mm | 16.332,36 | 216,94 |
| **25.330.3200** | **Angular, lateral, axial moving expansion joint with double bellows;**<br>The supply, on-site installation and delivery in working order of the expansion joints made of special alloy stainless steel with double bellows (corrugated), angular, lateral and axial | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | movement for use in steam, hot water and fuel systems, dilation crossovers, compensation of the seismic movements, with flange, welding neck, articulated and with limiting bars. PN 16 compensator with 60 mm axial, 75 mm lateral movement. | | |
| 25.330.3201 | Ø65 mm | 2.907,08 | 105,63 |
| 25.330.3202 | Ø80 mm | 3.321,08 | 115,38 |
| 25.330.3203 | Ø100 mm | 4.246,10 | 134,88 |
| 25.330.3204 | Ø125 mm | 5.827,69 | 168,19 |
| 25.330.3205 | Ø150 mm | 7.748,83 | 197,44 |
| 25.330.3206 | Ø200 mm | 10.887,48 | 207,19 |
| 25.330.3207 | Ø250 mm | 15.913,96 | 216,94 |
| **25.332.1000** | **VIBRATION ABSORBERS: (Unit: Qty., Materials on construction site: 80%)**<br>The supply, on-site installation and delivery in working order of vibration absorbers of stainless steel, to be mounted between the devices and pipes in order to prevent the vibration of the pumps, compressors and similar device vibrations from passing to the pipe network and thus to prevent the sound and noise arising from the vibrations. (Operating temperature +425°C -80°C) | | |
| **25.332.1100** | **With flange or welding neck; PN-16** | | |
| 25.332.1101 | Ø15 mm | 611,09 | 33,31 |
| 25.332.1102 | Ø20 mm | 721,70 | 47,13 |
| 25.332.1103 | Ø25 mm | 804,73 | 66,63 |
| 25.332.1104 | Ø32 mm | 884,89 | 66,63 |
| 25.332.1105 | Ø40 mm | 992,95 | 76,38 |
| 25.332.1106 | Ø50 mm | 1.109,25 | 95,88 |
| 25.332.1107 | Ø65 mm | 1.292,94 | 105,63 |
| 25.332.1108 | Ø80 mm | 1.435,79 | 115,38 |
| 25.332.1109 | Ø100 mm | 1.677,63 | 134,88 |
| 25.332.1110 | Ø125 mm | 1.952,94 | 168,19 |
| 25.332.1111 | Ø150 mm | 2.496,44 | 197,44 |
| 25.332.1112 | Ø200 mm | 3.489,31 | 207,19 |
| 25.332.1113 | Ø250 mm | 5.450,19 | 216,94 |
| **25.332.1200** | **With flange or welding neck; PN 25-40**<br>The unit prices including installation at item 25.332.1100 are applied with an increase of 40 percent, the installation costs with no increase. | | |
| **25.332.1300** | **Rubber Vibration Absorbers (absorbers); (Unit: Qty., Materials on construction site: 80%) PN 16**<br>The supply, on-site installation and delivery in working order of vibration absorbers with a partial angular lateral axial movement of 10 mm, made of rubber, with carbon steel flanges, to be mounted between the devices and pipes in order to prevent the vibration of the pumps, compressors and similar device vibrations from passing to the pipe network and thus to prevent the sound and noise arising from the vibrations. (Working temperature + 0°C, +95 C) | | |
| 25.332.1301 | Ø32 mm | 432,65 | 66,63 |
| 25.332.1302 | Ø40 mm | 464,41 | 66,63 |
| 25.332.1303 | Ø50 mm | 548,11 | 95,88 |
| 25.332.1304 | Ø65 mm | 684,91 | 105,63 |
| 25.332.1305 | Ø80 mm | 782,39 | 115,38 |
| 25.332.1306 | Ø100 mm | 960,70 | 134,88 |
| 25.332.1307 | Ø125 mm | 1.236,01 | 168,19 |
| 25.332.1308 | Ø150 mm | 1.531,46 | 197,44 |
| 25.332.1309 | Ø200 mm | 2.052,44 | 207,19 |
| 25.332.1310 | Ø250 mm | 2.697,44 | 216,94 |
| 25.332.1311 | Ø300 mm | 3.856,69 | 226,69 |
| **25.334.1000** | **STEAM TRAPS (Condensate Separators): (Unit: Qty.)** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.334.1100** | **Thermodynamic type, threaded;**<br>The supply to the work site, on-site installation and delivery in working order of steam traps, with 40 atmosphere operating pressure, up to 250°C temperature, body, cover, disc and seating surfaces in stainless steel, with TSE quality certificate. | | |
| 25.334.1101 | Ø15 mm (1/2″) | 1.285,25 | 33,31 |
| 25.334.1102 | Ø20 mm (3/4″) | 1.432,38 | 42,25 |
| 25.334.1103 | Ø25 mm ( 1″) | 1.684,75 | 47,13 |
| 25.334.1104 | Ø32 mm (1¼″) | 1.951,56 | 52,00 |
| 25.334.1105 | Ø40 mm (1½″) | 1.987,30 | 62,99 |
| 25.334.1106 | Ø50 mm ( 2″) | 2.060,50 | 76,38 |
| **25.334.1200** | **Thermostatic type, threaded;**<br>The supply to the work site, on-site installation and delivery in working order of (TS-3144) steam traps, with 10 atmosphere operating pressure, body and cover made of temper cast or quality brass, bellows of seamless phosphorus bronze, monel metal or tombac, valves and valve seats of stainless brass, with TSE certificate of conformity. | | |
| 25.334.1201 | Ø15 mm (1/2″) | 1.184,19 | 33,31 |
| 25.334.1202 | Ø20 mm (3/4″) | 1.364,31 | 42,25 |
| 25.334.1203 | Ø25 mm ( 1″) | 1.431,06 | 47,13 |
| 25.334.1204 | Ø32 mm (1¼″) | 1.495,75 | 52,00 |
| 25.334.1205 | Ø40 mm (1½″) | 1.543,86 | 62,99 |
| 25.334.1206 | Ø50 mm ( 2″) | 1.771,75 | 76,38 |
| **25.334.1300** | **Float type, thermostatic, with air discharge, flanged;**<br>The supply to the work site, on-site installation and delivery in working order of steam trap, with PN-16 cast iron body, stainless steel float, valve, needle and seat, with TSE quality certification. | | |
| 25.334.1301 | Ø15 mm | 3.156,63 | 42,25 |
| 25.334.1302 | Ø20 mm | 3.739,00 | 47,13 |
| 25.334.1303 | Ø25 mm | 4.012,00 | 52,00 |
| 25.334.1304 | Ø32 mm | 6.951,74 | 62,99 |
| 25.334.1305 | Ø40 mm | 7.522,00 | 76,38 |
| 25.334.1306 | Ø50 mm | 9.981,25 | 81,25 |
| **25.334.1400** | **Reverse bucket type, flanged;**<br>The supply to the work site, on-site installation and delivery in working order of PN-16, steam trap, with cast iron body and cover, stainless steel valve, needle and bucket seat, with TSE quality certification. | | |
| 25.334.1401 | Ø15 mm | 1.576,75 | 42,25 |
| 25.334.1402 | Ø20 mm | 1.707,85 | 47,13 |
| 25.334.1403 | Ø25 mm | 2.675,50 | 52,00 |
| 25.334.1404 | Ø32 mm | 4.121,99 | 62,99 |
| 25.334.1405 | Ø40 mm | 5.397,63 | 76,38 |
| 25.334.1406 | Ø50 mm | 7.060,75 | 81,25 |
| **25.337.1000** | **AIR SEPARATOR (Unit: Qty.)**<br>The supply to the work site and on-site installation of the air separators to discharge the air circulating in the heating system, made of brass or material in compliance with the standard TS ISO 1129, PN 16 class body, a stainless steel or equivalent air collecting screen in the air-water separator section, with a tap and automatic valve for venting the air on top of the body, operating at 120°C water temperature and maximum 10 bar operating pressure. | | |
| **25.337.1100** | **Threaded Brass Air Separator with no discharge;** | | |
| 25.337.1101 | Ø15 mm (1/2″) | 905,06 | 24,38 |
| 25.337.1102 | Ø20 mm (3/4″) | 1.103,45 | 26,83 |
| 25.337.1103 | Ø25 mm ( 1″) | 1.157,44 | 29,25 |
| 25.337.1104 | Ø32 mm (1¼″) | 1.475,81 | 34,13 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.337.1105 | Ø40 mm (1½″) | 1.711,33 | 36,58 |
| 25.337.1106 | Ø50 mm ( 2″) | 2.076,75 | 39,00 |
| **25.337.1200** | **Welded Air Separator;** | | |
| 25.337.1201 | Ø50 mm | 3.415,56 | 156,81 |
| 25.337.1202 | Ø65 mm | 3.714,06 | 166,56 |
| 25.337.1203 | Ø80 mm | 5.011,38 | 247,00 |
| 25.337.1204 | Ø100 mm | 5.402,13 | 266,50 |
| 25.337.1205 | Ø125 mm | 7.199,44 | 290,06 |
| 25.337.1206 | Ø150 mm | 8.170,63 | 333,13 |
| 25.337.1207 | Ø200 mm | 11.233,75 | 446,88 |
| **25.337.1300** | **Flanged Air Separator;** | | |
| 25.337.1301 | Ø50 mm | 3.786,81 | 156,81 |
| 25.337.1302 | Ø65 mm | 4.435,94 | 166,56 |
| 25.337.1303 | Ø80 mm | 5.135,13 | 247,00 |
| 25.337.1304 | Ø100 mm | 5.546,50 | 266,50 |
| 25.337.1305 | Ø125 mm | 7.529,44 | 290,06 |
| 25.337.1306 | Ø150 mm | 8.376,88 | 333,13 |
| 25.337.1307 | Ø200 mm | 11.419,38 | 446,88 |
| **25.337.2000** | **SEDIMENT SEPARATOR (Unit: Qty.)**<br>The supply to the work site and installation of the sediment separators to discharge the sediment circulating in the heating system, made of stainless steel or material in compliance with the standard TS ISO 1129, PN 16 class body, a stainless steel or equivalent sediment collecting screen in the sediment separator section, with a ball valve for discharging the sediment on the bottom of the body, operating at 120°C water temperature and maximum 10 bar pressure. | | |
| **25.337.2100** | **Welded Sediment Separator** | | |
| 25.337.2101 | Ø50 mm | 2.652,44 | 156,81 |
| 25.337.2102 | Ø65 mm | 2.827,19 | 166,56 |
| 25.337.2103 | Ø80 mm | 4.124,50 | 247,00 |
| 25.337.2104 | Ø100 mm | 4.474,00 | 266,50 |
| 25.337.2105 | Ø125 mm | 6.580,69 | 290,06 |
| 25.337.2106 | Ø150 mm | 7.325,00 | 333,13 |
| 25.337.2107 | Ø200 mm | 10.780,00 | 446,88 |
| **25.337.2200** | **Flanged Sediment Separator;** | | |
| 25.337.2201 | Ø50 mm | 3.477,44 | 156,81 |
| 25.337.2202 | Ø65 mm | 3.714,06 | 166,56 |
| 25.337.2203 | Ø80 mm | 5.217,63 | 247,00 |
| 25.337.2204 | Ø100 mm | 5.608,38 | 266,50 |
| 25.337.2205 | Ø125 mm | 7.632,56 | 290,06 |
| 25.337.2206 | Ø150 mm | 8.438,75 | 333,13 |
| 25.337.2207 | Ø200 mm | 11.605,00 | 446,88 |
| **25.340.1000** | **AUTOMATIC AIR PURGE DEVICE (TS-7817): (Unit: Qty.)**<br>The supply to the work site, on-site installation and delivery in working condition of air purge device at appropriate capacity to purge the accumulated air and gases in the liquid containers or pipes, made of bronze, cast iron, brass or steel according to the operating pressure and temperature, with stainless steel float or thermostat. | | |
| **25.340.1100** | **Automatic Air Purge Device for steam, threaded, PN-16;** | | |
| 25.340.1101 | Ø15 mm (1/2″) | 163,60 | 24,38 |
| 25.340.1102 | Ø20 mm (3/4″) | 226,89 | 26,83 |
| **25.340.1200** | **Automatic Air Purge Device for water;** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.340.1201 | Ø15 mm (1/2″) | 155,35 | 24,38 |
| **25.345.1000** | **NATURAL GAS SOLENOID VALVES (Unit: Qty.)**<br>The supply to the work site and installation of the solenoid valves manufactured in compliance with the Directive (2009/142/EC) on Gas Burning Devices, CE certified, used in natural gas and LPG lines, cutting the gas with the electrical signal it receives. | | |
| **25.345.1100** | **Solenoid valve with operating pressure up to 500 m bar, normally opened:** | | |
| 25.345.1101 | DN15 (1/2″) Threaded | 637,63 | 33,31 |
| 25.345.1102 | DN20 (3/4″) Threaded | 749,69 | 42,25 |
| 25.345.1103 | DN25 (1″) Threaded | 886,56 | 47,13 |
| 25.345.1104 | DN32 (1¼″) Threaded | 1.204,94 | 52,00 |
| 25.345.1105 | DN40 (1½″) Threaded | 1.310,80 | 62,99 |
| 25.345.1106 | DN50 (2″) Threaded | 1.825,38 | 76,38 |
| 25.345.1107 | DN65 (2½″) Flanged | 5.051,88 | 81,25 |
| 25.345.1108 | DN80 (3″) Flanged | 5.597,50 | 111,25 |
| 25.345.1109 | DN100 (4″) Flanged | 10.045,75 | 125,13 |
| 25.345.1110 | DN125 (5″) Flanged | 19.171,75 | 134,88 |
| 25.345.1111 | DN150 (6″) Flanged | 20.140,00 | 154,38 |
| 25.345.1112 | DN200 (8″) Flanged | 53.333,94 | 203,94 |
| **25.345.1200** | **Solenoid valve with operating pressure up to 6 bars, normally opened:** | | |
| 25.345.1201 | DN15 (1/2″) Threaded | 1.206,88 | 33,31 |
| 25.345.1202 | DN20 (3/4″) Threaded | 1.321,00 | 42,25 |
| 25.345.1203 | DN25 (1″) Threaded | 1.486,75 | 47,13 |
| 25.345.1204 | DN32 (1¼″) Threaded | 1.986,63 | 52,00 |
| 25.345.1205 | DN40 (1½″) Threaded | 2.034,74 | 62,99 |
| 25.345.1206 | DN50 (2″) Threaded | 2.819,50 | 76,38 |
| 25.345.1207 | DN65 (2½″) Flanged | 6.433,75 | 81,25 |
| 25.345.1208 | DN80 (3″) Flanged | 7.474,38 | 111,25 |
| 25.345.1209 | DN100 (4″) Flanged | 12.582,63 | 125,13 |
| 25.345.1210 | DN125 (5″) Flanged | 20.120,50 | 134,88 |
| 25.345.1211 | DN150 (6″) Flanged | 21.026,88 | 154,38 |
| 25.345.1212 | DN200 (8″) Flanged | 59.005,81 | 203,94 |
| **25.345.1300** | **Solenoid valve with operating pressure up to 500 m bar, normally closed:** | | |
| 25.345.1301 | DN15 (1/2″) Threaded | 1.425,50 | 33,31 |
| 25.345.1302 | DN20 (3/4″) Threaded | 1.508,69 | 42,25 |
| 25.345.1303 | DN25 (1″) Threaded | 1.676,50 | 47,13 |
| 25.345.1304 | DN32 (1¼″) Threaded | 2.423,88 | 52,00 |
| 25.345.1305 | DN40 (1½″) Threaded | 2.620,49 | 62,99 |
| 25.345.1306 | DN50 (2″) Threaded | 3.541,38 | 76,38 |
| 25.345.1307 | DN65 (2½″) Flanged | 7.526,88 | 81,25 |
| 25.345.1308 | DN80 (3″) Flanged | 8.505,63 | 111,25 |
| 25.345.1309 | DN100 (4″) Flanged | 13.923,25 | 125,13 |
| 25.345.1310 | DN125 (5″) Flanged | 24.596,13 | 134,88 |
| 25.345.1311 | DN150 (6″) Flanged | 24.842,50 | 154,38 |
| 25.345.1312 | DN200 (8″) Flanged | 66.802,06 | 203,94 |
| **25.345.1400** | **Solenoid valve with operating pressure up to 6 bar, normally closed:** | | |
| 25.345.1401 | DN15 (1/2″) Threaded | 1.972,00 | 37,38 |
| 25.345.1402 | DN20 (3/4″) Threaded | 2.166,63 | 42,25 |
| 25.345.1403 | DN25 (1″) Threaded | 2.274,63 | 47,13 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.345.1404 | DN32 (1¼″) Threaded | 3.063,25 | 52,00 |
| 25.345.1405 | DN40 (1½″) Threaded | 3.383,61 | 62,99 |
| 25.345.1406 | DN50 (2″) Threaded | 4.098,25 | 76,38 |
| 25.345.1407 | DN65 (2½″) Flanged | 7.960,00 | 81,25 |
| 25.345.1408 | DN80 (3″) Flanged | 9.846,25 | 111,25 |
| 25.345.1409 | DN100 (4″) Flanged | 15.923,88 | 125,13 |
| 25.345.1410 | DN125 (5″) Flanged | 27.091,75 | 134,88 |
| 25.345.1411 | DN150 (6″) Flanged | 27.730,00 | 154,38 |
| 25.345.1412 | DN200 (8″) Flanged | 74.041,44 | 203,94 |
| **25.345.2000** | **NATURAL GAS FILTERS (TS 10276) (Unit: Qty.)**<br>The supply to the work site and the on-site installation of filters manufactured in accordance with the Directive (2014/68/EU) on Pressure Equipment, CE certified, used to protect the devices such as burners, boilers, meters, regulators against the particles carried with the gas in the natural gas and LPG lines. | | |
| **25.345.2100** | **Threaded filters with operating pressure up to 2 bar:** | | |
| 25.345.2101 | DN15 (1/2″) Threaded | 216,88 | 33,31 |
| 25.345.2102 | DN20 (3/4″) Threaded | 245,41 | 42,25 |
| 25.345.2103 | DN25 (1″) Threaded | 288,44 | 47,13 |
| 25.345.2104 | DN32 (1¼″) Threaded | 406,75 | 52,00 |
| 25.345.2105 | DN40 (1½″) Threaded | 417,74 | 62,99 |
| 25.345.2106 | DN50 (2″) Threaded | 538,38 | 76,38 |
| **25.345.2200** | **Flanged filters with operating pressure up to 2 bar:** | | |
| 25.345.2201 | DN65 (2½″) Flanged | 2.477,50 | 105,63 |
| 25.345.2202 | DN80 (3″) Flanged | 2.689,38 | 111,25 |
| 25.345.2203 | DN100 (4″) Flanged | 4.662,63 | 125,13 |
| 25.345.2204 | DN125 (5″) Flanged | 8.549,88 | 134,88 |
| 25.345.2205 | DN150 (6″) Flanged | 10.157,50 | 154,38 |
| 25.345.2206 | DN200 (8″) Flanged | 25.225,31 | 207,19 |
| **25.345.2300** | **Threaded filters with operating pressure up to 6 bar:** | | |
| 25.345.2301 | DN15 (1/2″) Threaded | 437,56 | 33,31 |
| 25.345.2302 | DN20 (3/4″) Threaded | 452,69 | 42,25 |
| 25.345.2303 | DN25 (1″) Threaded | 467,88 | 47,13 |
| 25.345.2304 | DN32 (1¼″) Threaded | 606,81 | 52,00 |
| 25.345.2305 | DN40 (1½″) Threaded | 632,24 | 62,99 |
| 25.345.2306 | DN50 (2″) Threaded | 750,81 | 76,38 |
| **25.345.2400** | **Flanged filters with operating pressure up to 6 bar:** | | |
| 25.345.2401 | DN25 (1″) Flanged | 1.513,56 | 47,13 |
| 25.345.2402 | DN32 (1¼″) with flange | 1.961,88 | 52,00 |
| 25.345.2403 | DN40 (1½″) with flange | 2.036,80 | 62,99 |
| 25.345.2404 | DN50 (2″) Flanged | 2.407,00 | 76,38 |
| 25.345.2405 | DN65 (2½″) Flanged | 3.488,13 | 105,63 |
| 25.345.2406 | DN80 (3″) Flanged | 4.133,13 | 111,25 |
| 25.345.2407 | DN100 (4″) Flanged | 6.931,38 | 125,13 |
| 25.345.2408 | DN125 (5″) Flanged | 11.602,38 | 134,88 |
| 25.345.2409 | DN150 (6″) Flanged | 14.488,75 | 154,38 |
| 25.345.2410 | DN200 (8″) Flanged | 34.939,69 | 207,19 |
| **25.345.3000** | **NATURAL GAS REGULATORS WITH FILTERS (TS 10624)**<br>The supply to the work site and on-site installation in its designed location of the filter regulators, manufactured in accordance with the Directive (2014/68/EU) on Pressure Equipment, conforming to TSE | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 10624 standard, to reduce or keep natural gas or LPG pressure stable. | | |
| **25.345.3100** | **Filter Regulator up to 500 mbar;** | | |
| 25.345.3101 | DN15 (1/2″) Threaded | 713,94 | 33,31 |
| 25.345.3102 | DN20 (3/4″) Threaded | 784,75 | 42,25 |
| 25.345.3103 | DN25 (1″) Threaded | 849,44 | 47,13 |
| **25.345.3200** | **Filter Regulator up to 1 bar;** | | |
| 25.345.3201 | DN20 (3/4″) Threaded | 875,50 | 42,25 |
| 25.345.3202 | DN25 (1″) Threaded | 962,88 | 47,13 |
| 25.345.3203 | DN32 (1¼″) Threaded | 1.768,00 | 52,00 |
| 25.345.3204 | DN40 (1½″) Threaded | 1.898,61 | 62,99 |
| 25.345.3205 | DN50 (2″) Threaded | 2.551,38 | 76,38 |
| 25.345.3206 | DN65 (2½″) Flanged | 9.205,31 | 109,69 |
| **25.345.4000** | **Safety shut off regulator with natural gas filter (TS 10624)**<br>The supply to the work site and on-site installation in its designed location of filter regulators, which are manufactured in accordance with the Directive (2014/68/EU) on Pressure Equipment, to reduce or keep natural gas or LPG pressure stable, in case of problems with the outlet pressure to cut-off the gas flow, with filter and safety shut-off. | | |
| **25.345.4100** | **Filter Regulators up to 1 bar;** | | |
| 25.345.4101 | DN20 (3/4″) Threaded | 1.521,06 | 42,25 |
| 25.345.4102 | DN25 (1″) Threaded | 1.633,19 | 47,13 |
| 25.345.4103 | DN32 (1¼″) Threaded | 3.125,13 | 52,00 |
| 25.345.4104 | DN40 (1½″) Threaded | 3.301,11 | 62,99 |
| 25.345.4105 | DN50 (2″) Threaded | 3.912,63 | 76,38 |
| 25.345.4106 | DN65 (2½″) Flanged | 5.884,69 | 109,69 |
| **25.345.4200** | **Natural Gas Counter Enclosure Box:**<br>The supply to the work site and on-site installation in its designed location of natural gas meter enclosure box for the natural gas meters that are exposed to outdoor weather conditions in accordance with the natural gas specification, made of DKP sheet material, oven-drying painted, rubber gasket, sight glass on the meter box, ventilation louver and bendable cover lever. (iron fabrication will be paid on the item 15.550.1202) | | |
| **25.345.5100** | **Natural Gas Relief Valves (TS EN 14382 + A1):**<br>The supply to the work site and on-site installation in its designated location of relief valves in compliance with 2014/68/EU Pressure Equipment Directive, that discharge into the atmosphere in case of increase of natural gas or LPG pressure between 10 mbar and 6 bar which is used in Natural Gas and LPG lines. | | |
| 25.345.5101 | 10 - 40 mbar | 1.112,35 | 62,54 |
| 25.345.5102 | 40 -110 mbar | 1.326,29 | 74,35 |
| 25.345.5103 | 90 -160 mbar | 1.443,29 | 84,10 |
| 25.345.5104 | 160-500 mbar | 2.121,29 | 93,85 |
| 25.345.5105 | 400-2000 mbar | 2.608,98 | 113,35 |
| 25.345.5106 | 300-6000 mbar | 3.906,10 | 152,35 |
| **25.350.0000** | **CIRCULATION PUMPS: (Unit: Qty.) (TS EN 16297 / 1-2-3)**<br>The supply to the work site and on-site installation of circulation pumps to be selected from the technical documents according to the flow rate, pressure, power, efficiency in light of the approved project with static and dynamic balances, bronze, stainless steel, bakelite or cast iron fan and packing gland cover, dry or wet steel rotor, electric motor resistant up to 110ºC temperature, connected to the electric motor with elastic coupling or directly coupled. | | |
| **25.350.1000** | **Circulation Pump With Dry Rotor: Mountable to the straight pipe, with dry rotor, up to 1450 RPM:**<br>The supply, on-site installation and delivery in working order of the circulation pumps, with dry-rotor, mountable on straight pipe (inline-type), cast iron body, wheel of composite material or cast iron, with 1450 RPM rotational speed circulating pumps, furnished in accordance with the “Communiqué on the Environmentally Sensitive Design Requirements Associated With the Electric Motors” issued by the | | |

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| | Ministry of Science, Industry and Technology, the efficiency of the motor at the ratings of 0.75 kW and above, three-phase, shall not be lower than the efficiency level of IE3.<br><br>For The Middle Point of the Characteristic Curve<br><br>Flow Rate m³/h / Pressure mSS / Pa | | | | |
| 25.350.1001 | 0.5 - 2 | (0.25-0.70) | 2250- 5300 | 3.841,50 | 123,50 |
| 25.350.1002 | 2.1 - 4 | (0.40-0.90) | 3600- 8100 | 4.216,88 | 123,50 |
| 25.350.1003 | 2.1.- 4 | (0.91-2.00) | 8,101-18,000 | 5.682,63 | 123,50 |
| 25.350.1004 | 2.1 - 4 | (2.01-3.00) | 18001-27000 | 6.683,63 | 123,50 |
| 25.350.1005 | 4.1- 8 | (0.50-2.00) | 4500-18000 | 7.414,06 | 156,81 |
| 25.350.1006 | 4.1 - 8 | (2.01-3.50) | 18001-31500 | 8.129,06 | 156,81 |
| 25.350.1007 | 4.1 - 8 | (3.51-5.00) | 31501-45000 | 8.397,19 | 156,81 |
| 25.350.1008 | 8.1-12 | (0.50-2.00) | 4500- 18000 | 9.017,94 | 223,44 |
| 25.350.1009 | 8.1-12 | (2.01-3.51) | 18001-31500 | 9.339,69 | 223,44 |
| 25.350.1010 | 8.1-12 | (3.51-5.00) | 31501-45000 | 9.911,69 | 223,44 |
| 25.350.1011 | 12.1-25 | (0.50-2.00) | 4500-18000 | 10.539,75 | 333,13 |
| 25.350.1012 | 12.1-25 | (2.01-3.50) | 18001-31500 | 11.004,50 | 333,13 |
| 25.350.1013 | 12.1-25 | (3.51-5.00) | 31501-45000 | 11.254,75 | 333,13 |
| 25.350.1014 | 25.1-60 | (0.50-2.00) | 4500-18000 | 11.886,88 | 446,88 |
| 25.350.1015 | 25.1-60 | (2.01-3.50) | 18001-31500 | 12.601,88 | 446,88 |
| 25.350.1016 | 25.1-60 | (3.51-5.00) | 31501-45000 | 13.245,38 | 446,88 |
| 25.350.1017 | 25.1-60 | (5.01-7.00) | 45001-63000 | 13.799,50 | 446,88 |
| 25.350.1018 | 60.1-100 | (1.00-3.50) | 9000-31500 | 14.177,31 | 556,56 |
| 25.350.1019 | 60.1-100 | (3.51-5.00) | 31500-45000 | 14.624,19 | 556,56 |
| 25.350.1020 | 60.1-100 | (5.01-7.00) | 45001-63000 | 15.142,56 | 556,56 |
| 25.350.1021 | 60.1-100 | (7.01-8.50) | 63001-76500 | 18.377,94 | 556,56 |
| **25.350.2000** | **Circulation Pump With Dry Rotor; dry rotor, inline type, speed up to 2950 RPM:**<br><br>The supply, on-site installation and delivery in working order of the circulation pumps, with dry-rotor, mountable on straight pipe (inline-type), cast iron body, wheel of composite material or cast iron, with 2900 RPM rotational speed circulating pumps, furnished in accordance with the “Communiqué on the Environmentally Sensitive Design Requirements Associated With the Electric Motors” issued by the Ministry of Science, Industry and Technology, the efficiency of the motor at the ratings of 0.75 kW and above, three-phase, shall not be lower than the efficiency level of IE3.<br>Unit prices with installation and installation charges for the 1,450-rpm pumps in the item 25.350.1000 shall be charged with 10-percent deduction. | | | | |
| **25.350.3000** | **Circulating Pump with Variable Speed (Frequency Converter) and Wet Rotor: (TS EN 16297 / 1-2-3)**<br>Supply on site and installation in working order of wet rotor circulation pumps mountable to straight pipes in accordance with the “Decree for the Environmentally Sensitive Associated With the Circulation Pumps Without Glands Independent and Integrated to the Products” the circulation pumps with EEI≤0.23 energy efficiency index, below PN10 pressure class, with motors having self-protection against penning, overload and overheating, internal or external frequency converter, differential head suitable for Δp-c and Δp-V control modes and fault signal information can be displayed on it without the necessity of any extra equipment, automatic regulation scheme with an internal screen capable to adjust the differential head with a maximum of 0.5 m increments, the body material of the wet rotor circulation pumps with frequency converters to be at least TS 552 EN1561/ENGJL 200 (GG20), metal impregnated carbon bearings, impeller stainless steel or glass fiber reinforced polypropylene, pump shaft is made of a material conforming to TS EN 10088-3 standard and pump insulation class is at least IP44 or IPX4D, motor protection class F, operating temperature range between -10°C / + 110°C in accordance with the hot water circulation pumps class in accordance with TF95.<br><br>NOTE:<br>1-The point values specified in the approved implementation design shall be taken into consideration in the selection and procurement of the pumps. | | | | |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 2-The ranges indicated in the items refer to pump operation areas based on the approximate cost.<br>Flow m³/h Pressure mSS | | |
| 25.350.3001 | (0.5 - 3.5) (1 – 3) | 3.298,63 | 223,44 |
| 25.350.3002 | (3.5 - 7.0) (1 – 3) | 9.737,75 | 223,44 |
| 25.350.3003 | (7 - 11) (1 – 3) | 11.247,88 | 333,13 |
| 25.350.3004 | (3 - 6) (3 – 5) | 11.291,19 | 333,13 |
| 25.350.3005 | (6 - 9) (3 – 5) | 11.839,81 | 333,13 |
| 25.350.3006 | (9 - 12) (3 – 5) | 16.357,00 | 446,88 |
| 25.350.3007 | (12 - 17) (3 – 5) | 18.176,13 | 446,88 |
| 25.350.3008 | (12 - 20) (5 – 10) | 23.858,69 | 556,56 |
| 25.350.3009 | (20 - 28) (5 – 10) | 26.284,19 | 556,56 |
| 25.350.3010 | (28 - 36) (5 – 10) | 30.167,88 | 556,56 |
| 25.350.3011 | (36 - 50) (5 – 10) | 35.431,75 | 666,25 |
| **25.350.4000** | **Circulating Pump with Variable Speed (Frequency Converter) Dry Rotor:**<br>The supply, on-site installation and delivery in working order of the circulation pumps, with dry-rotor, mountable on straight pipe (inline-type), cast iron body, wheel of composite material or cast iron, with frequency converter, furnished in accordance with the “Decree for the Environmentally Sensitive Design Requirements Associated With the Electric Motors” issued by the Ministry of Science, Industry and Technology, the efficiency of the motor at the ratings of 0.75 kW and above, three-phase, shall not be lower than the efficiency level of IE3.<br>NOTE:<br>1- The point values specified in the approved implementation design shall be taken into consideration in the selection and procurement of the pumps.<br>2-The ranges indicated in the items refer to pump operation areas based on the approximate cost.<br>Flow (m³/h) Pressure (mSS) | | |
| 25.350.4001 | 4-13 1-10 | 32.226,94 | 333,13 |
| 25.350.4002 | 6-14.5 1-14 | 34.741,13 | 333,13 |
| 25.350.4003 | 6-14.5 1-26 | 35.566,44 | 446,88 |
| 25.350.4004 | 12-34 1-17 | 36.197,94 | 556,56 |
| 25.350.4005 | 17-38 1-20 | 37.098,25 | 666,25 |
| 25.350.4006 | 18-42 1-27 | 43.725,75 | 889,69 |
| 25.350.4007 | 20-52 1-30 | 45.559,00 | 999,38 |
| 25.350.4008 | 24-56 1-20 | 42.840,25 | 889,69 |
| 25.350.4009 | 26-56 1-20 | 44.785,19 | 889,69 |
| 25.350.4010 | 26-60 1-17 | 40.341,88 | 889,69 |
| 25.350.4011 | 32-100 1-14 | 48.326,19 | 999,38 |
| 25.350.4012 | 36-80 1-20 | 47.630,44 | 999,38 |
| 25.350.4013 | 44-120 1-18 | 49.670,25 | 999,38 |
| 25.350.4014 | 45-135 1-40 | 77.486,50 | 1.222,81 |
| 25.350.4015 | 50-155 1-52 | 72.441,31 | 1.332,50 |
| 25.350.4016 | 52-104 1-64 | 81.675,81 | 1.332,50 |
| 25.350.4017 | 60-155 1-48 | 84.142,56 | 1.332,50 |
| 25.350.4018 | 65-130 1-30 | 67.872,50 | 1.222,81 |
| 25.350.4019 | 90-230 1-21 | 72.790,19 | 1.222,81 |
| 25.350.4020 | 90-250 1-25 | 87.748,81 | 1.222,81 |
| 25.350.4021 | 90-270 1-28 | 88.206,38 | 1.332,50 |
| 25.350.4022 | 120-260 1-30 | 93.804,00 | 1.332,50 |

25.300.-Joint Installation

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| **25.355.0000** | **CENTRIFUGAL PUMPS (single or multi-stage): (Unit: Qty.) (TS EN ISO 9905, TS EN ISO 9908, TS EN ISO 2858)**<br>The supply to the work site, on-site installation and delivery in working order of the pumps to be used for circulation or other purposes, resistant to 105°C, single or multi-stage, electric motor with IE3 and higher efficiency class if rated 0.75-kW and above as per the “Communiqué on Environmentally Sensitive Design Requirements for Electric Motors"", to be selected from the technical documents according to the flow rate, pressure, power, efficiency, inlet and outlet sizes,fan diameter, motor type, speed and power in light of the approved design, installed and aligned on a common base with the electric motor.<br>NOTE:<br>1- The detail of the base of the pump will be given to the administration.<br>2- The point values specified in the approved implementation design shall be taken into consideration in the selection and procurement of the pumps.<br>3-The ranges indicated in the items refer to pump operation areas based on the approximate cost. | | | | |
| **25.355.1000** | **Centrifugal Pump; Up to 1500 RPM**<br>For The Middle Point of the Characteristic Curve | | | | |
| | Flow Rate<br>m³/h | Pressure<br>mSS | Pa | | |
| 25.355.1001 | 3 - 5 | (3.0 - 5) | 27,000 - 45,000 | 8.824,56 | 280,31 |
| 25.355.1002 | 3 - 5 | (5.1 - 10) | 45,001 - 90,000 | 9.421,75 | 323,38 |
| 25.355.1003 | 3 - 5 | (10.1 - 15) | 90,001 - 135,000 | 10.482,06 | 346,94 |
| 25.355.1004 | 3 - 5 | (15.1 - 20) | 135,001 - 180,000 | 11.270,19 | 366,44 |
| 25.355.1005 | 3 - 5 | (20.1 - 30) | 180,001 - 270,000 | 11.607,38 | 399,75 |
| 25.355.1006 | 3 - 5 | (30.1 - 40) | 270,001 - 360,000 | 15.420,44 | 423,31 |
| 25.355.1007 | 3 - 5 | (40.1 - 60) | 360,001 - 540,000 | 16.079,38 | 456,63 |
| 25.355.1008 | 3 - 5 | (60.1 - 80) | 540,001 - 720,000 | 19.723,44 | 489,94 |
| 25.355.1009 | 3 - 5 | (80.1 - 100) | 720,001 - 900,000 | 21.123,38 | 513,50 |
| 25.355.1010 | 5.1 - 10 | (3.0 - 5) | 27,000 - 45,000 | 9.286,88 | 313,63 |
| 25.355.1011 | 5.1 - 10 | (5.1 - 10) | 45,001 - 90,000 | 9.544,44 | 356,69 |
| 25.355.1012 | 5.1 - 10 | (10.1 - 15) | 90,001 - 135,000 | 10.668,13 | 390,00 |
| 25.355.1013 | 5.1 - 10 | (15.1 - 20) | 135,001 - 180,000 | 11.710,56 | 413,56 |
| 25.355.1014 | 5.1 - 10 | (20.1 - 30) | 180,001 - 270,000 | 12.137,13 | 446,88 |
| 25.355.1015 | 5.1 - 10 | (30.1 - 40) | 270,001 - 360,000 | 16.067,19 | 480,19 |
| 25.355.1016 | 5.1 - 10 | (40.1 - 60) | 360,001 - 540,000 | 16.869,13 | 513,50 |
| 25.355.1017 | 5.1 - 10 | (60.1 - 80) | 540,001 - 720,000 | 20.030,56 | 546,81 |
| 25.355.1018 | 5.1 - 10 | (80.1 - 100) | 720,001 - 900,000 | 22.391,69 | 566,31 |
| 25.355.1019 | 10.1- 20 | (3.0- 5) | 27,000- 45,000 | 10.090,44 | 366,44 |
| 25.355.1020 | 10.1- 20 | (5.1- 10) | 45,001- 90,000 | 10.504,81 | 423,31 |
| 25.355.1021 | 10.1- 20 | (10.1- 15) | 90,001-135,000 | 10.985,00 | 456,63 |
| 25.355.1022 | 10.1- 20 | (15.1- 20) | 135,001-180,000 | 12.527,94 | 480,19 |
| 25.355.1023 | 10.1- 20 | (20.1- 30) | 180,001-270,000 | 13.089,38 | 523,25 |
| 25.355.1024 | 10.1- 20 | (30.1- 40) | 270,001-360,000 | 17.903,44 | 546,81 |
| 25.355.1025 | 10.1- 20 | (40.1- 60) | 360,001-540,000 | 18.009,88 | 599,63 |
| 25.355.1026 | 10.1- 20 | (60.1- 80) | 540,001-720,000 | 24.335,19 | 632,94 |
| 25.355.1027 | 10.1- 20 | (80.1-100) | 720,001-900,000 | 26.789,75 | 656,50 |
| 25.355.1028 | 21- 30 | (3.0- 5) | 27,000- 45,000 | 11.553,75 | 399,75 |
| 25.355.1029 | 21- 30 | (5.1- 10) | 45,001- 90,000 | 11.852,75 | 466,38 |
| 25.355.1030 | 21- 30 | (10.1- 15) | 90,001-135,000 | 11.993,31 | 499,69 |
| 25.355.1031 | 21- 30 | (15.1- 20) | 135,001-180,000 | 13.742,63 | 533,00 |
| 25.355.1032 | 21- 30 | (20.1- 30) | 180,001-270,000 | 13.861,25 | 580,13 |
| 25.355.1033 | 21- 30 | (30.1- 40) | 270,001-360,000 | 21.116,06 | 613,44 |

25.300.-Joint Installation

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| 25.355.1034 | 21- 30 | (40.1- 60) | 360,001-540,000 | 21.606,00 | 656,50 |
| 25.355.1035 | 21- 30 | (60.1- 80) | 540,001-720,000 | 28.709,69 | 699,56 |
| 25.355.1036 | 21- 30 | (80.1-100) | 720,001-900,000 | 33.551,38 | 732,88 |
| 25.355.1037 | 31- 40 | (3.0- 5) | 27,000- 45,000 | 11.786,13 | 399,75 |
| 25.355.1038 | 31- 40 | (5.1- 10) | 45,001- 90,000 | 13.229,13 | 466,38 |
| 25.355.1039 | 31- 40 | (10.1- 15) | 90,001-135,000 | 13.316,06 | 499,69 |
| 25.355.1040 | 31- 40 | (15.1- 20) | 135,001-180,000 | 14.815,13 | 533,00 |
| 25.355.1041 | 31- 40 | (20.1- 30) | 180,001-270,000 | 19.545,50 | 580,13 |
| 25.355.1042 | 31- 40 | (30.1- 40) | 270,001-360,000 | 21.813,19 | 613,44 |
| 25.355.1043 | 31- 40 | (40.1- 60) | 360,001-540,000 | 32.545,50 | 656,50 |
| 25.355.1044 | 31- 40 | (60.1- 80) | 540,001-720,000 | 36.538,94 | 699,56 |
| 25.355.1045 | 31- 40 | (80.1-100) | 720,001-900,000 | 43.346,88 | 732,88 |
| 25.355.1046 | 41- 50 | (3.0- 5) | 27,000- 45,000 | 12.146,88 | 456,63 |
| 25.355.1047 | 41- 50 | (5.1- 10) | 45,001- 90,000 | 13.768,63 | 523,25 |
| 25.355.1048 | 41- 50 | (10.1- 20) | 90..001-180,000 | 16.063,94 | 566,31 |
| 25.355.1049 | 41- 50 | (15.1- 20) | 135,001-180,000 | 16.758,63 | 599,63 |
| 25.355.1050 | 41- 50 | (20.1- 30) | 180,001-270,000 | 21.167,25 | 646,75 |
| 25.355.1051 | 41- 50 | (30.1- 40) | 270,001-360,000 | 26.741,81 | 680,06 |
| 25.355.1052 | 41- 50 | (40.1- 60) | 360,001-540,000 | 34.941,56 | 746,69 |
| 25.355.1053 | 41- 50 | (60.1- 80) | 540,001-720,000 | 35.181,25 | 789,75 |
| 25.355.1054 | 41- 50 | (80.1-100) | 720,001-900,000 | 43.238,00 | 856,38 |
| 25.355.1055 | 51- 60 | (3.0- 5) | 27,000- 45,000 | 12.549,88 | 466,38 |
| 25.355.1056 | 51- 60 | (5.1- 10) | 45,001- 90,000 | 14.024,56 | 546,81 |
| 25.355.1057 | 51- 60 | (10.1- 15) | 90,001-135,000 | 16.176,88 | 589,88 |
| 25.355.1058 | 51- 60 | (15.1- 20) | 135,001-180,000 | 19.088,06 | 623,19 |
| 25.355.1059 | 51- 60 | (20.1- 30) | 180,001-270,000 | 24.279,13 | 666,25 |
| 25.355.1060 | 51- 60 | (30.1- 40) | 270,001-360,000 | 29.903,25 | 713,38 |
| 25.355.1061 | 51- 60 | (40.1- 60) | 360,001-540,000 | 36.337,44 | 766,19 |
| 25.355.1062 | 51- 60 | (60.1- 80) | 540,001-720,000 | 40.495,81 | 813,31 |
| 25.355.1063 | 51- 60 | (80.1-100) | 720,001-900,000 | 50.137,75 | 856,38 |
| 25.355.1064 | 61- 80 | (3.0- 5) | 27,000- 45,000 | 13.372,13 | 466,38 |
| 25.355.1065 | 61- 80 | (5.1- 10) | 45,001- 90,000 | 14.902,06 | 566,31 |
| 25.355.1066 | 61- 80 | (10.1- 15) | 90,001-135,000 | 18.452,69 | 613,44 |
| 25.355.1067 | 61- 80 | (15.1- 20) | 135,001-180,000 | 22.096,75 | 646,75 |
| 25.355.1068 | 61- 80 | (20.1- 30) | 180,001-270,000 | 28.066,19 | 699,56 |
| 25.355.1069 | 61- 80 | (30.1- 40) | 270,001-360,000 | 31.563,19 | 746,69 |
| 25.355.1070 | 61- 80 | (40.1- 60) | 360,001-540,000 | 38.011,19 | 813,31 |
| 25.355.1071 | 61- 80 | (60.1- 80) | 540,001-720,000 | 49.476,38 | 856,38 |
| 25.355.1072 | 61- 80 | (80.1-100) | 720,001-900,000 | 51.583,19 | 889,69 |
| 25.355.1073 | 81-100 | (3.0- 5) | 27,000- 45,000 | 14.751,75 | 523,25 |
| 25.355.1074 | 81-100 | (5.1- 10) | 45,001- 90,000 | 18.260,13 | 599,63 |
| 25.355.1075 | 81-100 | (10.1- 15) | 90,001-135,000 | 21.042,13 | 646,75 |
| 25.355.1076 | 81-100 | (15.1- 20) | 135,001-180,000 | 23.434,94 | 680,06 |
| 25.355.1077 | 81-100 | (20.1- 30) | 180,001-270,000 | 30.883,94 | 746,69 |
| 25.355.1078 | 81-100 | (30.1- 40) | 270,001-360,000 | 33.197,13 | 789,75 |
| 25.355.1079 | 81-100 | (40.1- 60) | 360,001-540,000 | 45.963,13 | 846,63 |
| 25.355.1080 | 81-100 | (60.1- 80) | 540,001-720,000 | 49.948,44 | 899,44 |

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| 25.355.1081 | 81-100 | (80.1-100) | 720,001-900,000 | 69.658,06 | 946,56 |
| 25.355.1082 | 101-150 | (5.0- 10) | 45,000- 90,000 | 20.652,94 | 632,94 |
| 25.355.1083 | 101-150 | (10.1- 15) | 90,001-135,000 | 27.198,44 | 689,81 |
| 25.355.1084 | 101-150 | (15.1- 20) | 135,001-180,000 | 28.081,63 | 732,88 |
| 25.355.1085 | 101-150 | (20.1- 30) | 180,001-270,000 | 30.641,00 | 789,75 |
| 25.355.1086 | 101-150 | (30.1- 40) | 270,001-360,000 | 37.601,69 | 832,81 |
| 25.355.1087 | 101-150 | (40.1- 60) | 360,001-540,000 | 46.262,13 | 913,25 |
| 25.355.1088 | 101-150 | (60.1- 80) | 540,001-720,000 | 82.698,69 | 956,31 |
| 25.355.1089 | 101-150 | (80.1-100) | 720,001-900,000 | 118.277,25 | 999,38 |
| 25.355.1090 | 101-300 | (10.0- 20) | 90,000-180,000 | 31.853,25 | 732,88 |
| 25.355.1091 | 101-300 | (20.1- 35) | 180,001-315,000 | 45.179,06 | 813,31 |
| 25.355.1092 | 151-300 | (35.1- 55) | 315,001-495,000 | 65.260,00 | 999,38 |
| 25.355.1093 | 151-300 | (56.0- 80) | 504,000-720,000 | 101.412,19 | 1.079,81 |
| 25.355.1094 | 151-300 | (81.0-120) | 729,000-1,080,000 | 114.761,56 | 1.165,94 |
| 25.355.1095 | 151-300 | (121-160) | 1.081.000-1,440,000 | 134.218,50 | 1.246,38 |
| **25.355.1200** | **Centrifugal pump; up to 3000 RPM other features are the same as item 25.355.1000**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 10-percent deduction. | | | | |
| **25.355.2000** | **SUPER HEATED WATER PUMPS (Unit: Qty.)**<br>The supply to the work site and installation in its designed location of the pumps with quality certificates to be selected from the technical documents according to the pump body, shaft, fan, seals, gland, axial sectional view, kind of fluid, operating pressure and temperature, flow rate, differential head, efficiency, power, efficiency and net plus (+), suction head characteristics, pump dimensions, inlet and outlet sizes, fan diameter, cooling water flow rate, motor type, speed and power in light of the approved design, installed and aligned on a common base with the electric motor. (The detail documents for the pump base shall be given to the administration) | | | | |
| **25.355.3000** | **Super heated water pump; at 10 Atmosphere, operating at 140°C operating pressure and temperature, up to 1500 RPM;**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 25-percent increase. | | | | |
| **25.355.4000** | **Super heated water pump; at 10 Atmosphere, operating at 140°C operating pressure and temperature, up to 3000 RPM;**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 15-percent increase. | | | | |
| **25.355.5000** | **Super heated water pump; at 12 Atmosphere, operating at 170°C operating pressure and temperature, up to 1500 RPM;**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 50-percent increase. | | | | |
| **25.355.6000** | **Super heated water pump; at 12 Atmosphere, operating at 170°C operating pressure and temperature, up to 3000 RPM;**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 30-percent increase. | | | | |
| **25.355.7000** | **Super heated water pump; at 20 Atmosphere, operating at 200°C operating pressure and temperature, up to 1500 RPM;**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 100-percent increase. | | | | |
| **25.355.8000** | **Super heated water pump; at 20 Atmosphere, operating at 200°C operating pressure and temperature, up to 3000 RPM;**<br>Unit prices with installation and installation charges for the 1,500-rpm centrifugal pumps in the item 25.355.1000 shall be charged with 80-percent increase. | | | | |
| **25.355.9000** | **NATIONAL CENTRIFUGAL PUMPS WITH VERTICAL SHAFT (single or multi-stage): (Unit: Qty.)**<br>The supply, on-site installation and delivery in working order of single-stage or multi-stage national vertical centrifugal pumps, other features the same as given in item 25.355.0000. | | | | |

25.300.-Joint Installation

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| | For The Middle Point of the Characteristic Curve<br>Flow rate m³/h | Pressure mSS | Pa | | |
| 25.355.9001 | 0.8-4.0 | (15-35) | 135,000 - 315,000 | 7.282,38 | 333,13 |
| 25.355.9002 | 1.2-5.0 | (22-50) | 198,000 - 450,000 | 7.667,38 | 333,13 |
| 25.355.9003 | 1.8-5.5 | (23-65) | 207,000 - 585,000 | 8.397,13 | 446,88 |
| 25.355.9004 | 2.1-6.5 | (24-75) | 216,000 - 675,000 | 9.301,88 | 446,88 |
| 25.355.9005 | 2.5-6.8 | (25-85) | 225,000 - 765,000 | 10.739,81 | 556,56 |
| **25.355.9900** | **Construction of a concrete base;**<br>The construction of a concrete base to protrude 5 cm from four sides of the pump's metal base and to have with 30 cm thickness for motor powers up to 5 kW. 40 cm for motor powers up to 30 kW, 50 cm for motor powers up to 50 kW. Estimated (to be paid with unit prices for construction works); (foundation plan for powers of more than 50 kW shall be given.) | | | | |
| **25.360.1000** | **DRAIN PUMPS: (Unit: Qty.: delivery on construction site: 60%)** | | | | |
| **25.360.1100** | **Submersible Type Drainage Pump;**<br>The supply to the work site and installation of submersible drainage pump, vertical type, in accordance with the standard TS 12599, used for the pressurization of clean or slightly contaminated turbid waters containing no large particles and fibrous materials, with or without floater, single-phase or three-phase, pump body GG 25 cast iron, composite or stainless steel, motor housing GG 25 cast iron, composite or stainless steel, motor shaft made of stainless steel, motor and pump isolated from each other by mechanical seal, pump impeller made of thermoplastic material or cast iron, with at least 5 m long electrical cable and carrying chain, with IP 68 protection class, ISO 9001 quality assurance certificate.<br>Flow rate (m³/h) Pressure (mSS) | | | | |
| 25.360.1101 | 2.0 - 6.0 | (3.0 -6.0) | | 4.272,19 | 264,06 |
| 25.360.1102 | 3.0 - 10 | (3.0 -6.0) | | 4.574,69 | 264,06 |
| 25.360.1103 | 3.0 - 10 | (4.0 -7.0) | | 5.446,56 | 273,81 |
| 25.360.1104 | 3.0 - 15 | (4.0 -10) | | 5.788,06 | 312,81 |
| 25.360.1105 | 2.0 - 15 | (7.0 -15) | | 8.130,31 | 361,56 |
| 25.360.1106 | 2.0 - 10 | (12 – 20) | | 9.969,38 | 361,56 |
| 25.360.1107 | 5.0 - 40 | (3.0 -15) | | 12.269,69 | 410,31 |
| 25.360.1108 | 5.0 - 40 | (5.0 -15) | | 15.329,06 | 410,31 |
| 25.360.1109 | 5.0 - 50 | (7.0 -25) | | 26.034,06 | 459,06 |
| **25.360.1200** | **Submersible Type Drain Pump;**<br>The supply to the work site and installation of submersible drain pump, vertical type, in accordance with the standard TS 12599, with TS EN ISO 9001 quality certificate, protected against overheating by a temperature sensor, protected against water leaks by a moisture sensor placed to the motor, working between 0°C and 40°C ambient temperature, used for the pressurization of very dirty and septic waters containing solid matter and short fibrous materials, works entirely dipped into the water, with or without float, compact, portable, hand carried or with guide rope system, body GG 25 cast iron, composite or stainless steel, motor shaft made of stainless steel, motor and pump isolated from each other by mechanical seal, motor winding resistant to overheating, with adequate cooling system and, when necessary, rewindable, IP68 protection class, external control panel with 10 m electric cable connected to the panel in a way to provide full tightness, designed in such a way that no water gets into the pump in case the cable is sheared off, for portable types a pump fixing pedestal together with the pump, counter flange, fixing console for the bearing pipes, guide rope lifting system with the fixed types, galvanized steel or AISI 304 carrying chain, all other installation materials.<br>Flow rate (m³/h) Pressure (mSS) | | | | |
| 25.360.1201 | 5.0 - 10 | (5.0 -10) | | 5.092,94 | 254,31 |
| 25.360.1202 | 5.0 - 10 | (10 - 15) | | 7.228,56 | 273,81 |
| 25.360.1203 | 5.0 - 10 | (15 -20) | | 10.453,19 | 293,31 |
| 25.360.1204 | 10 - 15 | (5.0 -10) | | 9.482,63 | 254,31 |
| 25.360.1205 | 10 - 15 | (10 - 15) | | 11.017,06 | 303,06 |
| 25.360.1206 | 15 - 20 | (5.0 -10) | | 12.463,56 | 303,06 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.360.1207 | 15 - 20 (10 - 15) | 15.222,19 | 332,31 |
| 25.360.1208 | 15 - 20 (15 - 20) | 18.918,31 | 342,06 |
| 25.360.1209 | 20 - 25 (10 - 15) | 18.335,31 | 342,06 |
| 25.360.1210 | 20 - 25 (15 - 20) | 23.560,56 | 361,56 |
| 25.360.1211 | 20 - 25 (20 - 30) | 29.760,81 | 390,81 |
| 25.360.1212 | 25 - 30 (20 - 25) | 30.915,81 | 390,81 |
| 25.360.1213 | 25 - 30 (25 - 30) | 31.100,31 | 410,31 |
| 25.360.1214 | 25 - 30 (30 - 35) | 33.310,06 | 420,06 |
| 25.360.1215 | 30 - 40 (30 - 35) | 39.709,56 | 439,56 |
| 25.360.1216 | 30 - 40 (35 - 40) | 52.671,81 | 449,31 |
| 25.360.1217 | 30 - 40 (40 - 45) | 63.131,56 | 459,06 |
| 25.360.1218 | 40 - 50 (35 - 40) | 70.016,31 | 468,81 |
| 25.360.1219 | 40 - 50 (40 - 45) | 74.875,81 | 488,31 |
| 25.360.1220 | 40 - 50 (45- 50) | 85.115,56 | 498,06 |
| **25.360.1300** | **Submersible Type Drain Pump with Shredder Blades;**<br>The supply to the work site and installation of submersible drain pump (with shredder blades), vertical type, in accordance with the standard TS 12599, with TS EN ISO 9001 quality certificate, protected against overheating by a temperature sensor, protected against water leaks by a moisture sensor placed to the motor, working between 0°C and 40°C ambient temperature, used for the pressurization of very dirty and septic waters containing solid matter and short fibrous materials, works entirely dipped into the water, with or without floater, compact, portable, hand carried or with guide rope system (with shredder blades), body GG 25 cast iron, composite or stainless steel, motor shaft made of stainless steel, motor and pump sides isolated from each other by mechanical seal, motor winding resistant to overheating, with adequate cooling system and, when necessary, rewindable, IP68 protection class (shredder blades made of very hard stainless steel and replaceable as required), control panel with 10 m electric cable connected to the panel to provide full tightness, designed in such a way that no water gets into the pump in case the cable is sheared off, for portable types a pump fixing pedestal together with the pump, counter flange, fixing console for the bearing pipes, guide rope lifting system with the fixed type guide ropes, galvanized steel or AISI 304 carrying chain, all other installation materials and 10 m cable.<br><br>Flow rate ($m^3/h$) Pressure (mSS) | | |
| 25.360.1301 | 5.0 - 10 (5.0 -10) | 13.073,99 | 254,31 |
| 25.360.1302 | 5.0 - 10 (10 - 15) | 15.574,81 | 273,81 |
| 25.360.1303 | 5.0 - 10 (15 -20) | 17.502,81 | 293,31 |
| 25.360.1304 | 10 - 15 (5.0 -10) | 16.512,69 | 283,56 |
| 25.360.1305 | 10 - 15 (10 - 15) | 18.370,56 | 303,06 |
| 25.360.1306 | 15 - 20 (5.0 -10) | 18.473,69 | 303,06 |
| 25.360.1307 | 15 - 20 (10 - 15) | 18.894,81 | 332,31 |
| 25.360.1308 | 15 - 20 (15 - 20) | 22.060,19 | 342,06 |
| **25.365.1000** | **PIPE PAINTING; (Unit: m)** | | |
| **25.365.1100** | **Pipe painting, with red lead paint; (Unit: m)** | | |
| 25.365.1101 | Ø15 mm - Ø50 mm between (1/2″ - 2″) including (2″) | 7,76 | 6,13 |
| 25.365.1102 | Ø50 mm - Ø100 mm between (2″ - 4″) including (4″) | 15,51 | 12,25 |
| 25.365.1103 | Ø100 mm - Ø150 mm between (4″ - 6″) including (6″) | 23,18 | 18,38 |
| 25.365.1104 | Ø150 mm - Ø200 mm between (6″ - 8″) including (8″) | 30,90 | 24,50 |
| 25.365.1105 | Ø200 mm - Ø250 mm between (8″ - 10″) including (10″) | 37,88 | 29,86 |
| 25.365.1106 | Ø250 mm - Ø300 mm between (10″ - 12″) including (12″) | 45,66 | 36,05 |
| 25.365.1107 | Ø300 mm - Ø350 mm between (12″ - 14″) including (14″) | 53,33 | 42,11 |
| 25.365.1108 | Ø350 mm - Ø400 mm between (14″ - 16″) including (16″) | 61,05 | 48,24 |
| 25.365.1109 | Ø400 mm - Ø450 mm between (16″ - 18″) including (18″) | 68,46 | 54,05 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.365.1110 | Ø450 mm - Ø500 mm(18″ to 20″) and above | 76,10 | 60,09 |
| **25.365.1200** | **Coating pipes, with oily paint; (Unit: m)**<br>Painting of free pipes with two coats of heat resistant oil paint. | | |
| 25.365.1201 | Ø15 mm - Ø50 mm between (1/2″ - 2″) including (2″) | 7,78 | 6,13 |
| 25.365.1202 | Ø50 mm - Ø100 mm between (2″ - 4″) including (4″) | 15,49 | 12,25 |
| 25.365.1203 | Ø100 mm - Ø150 mm between (4″ - 6″) including (6″) | 22,84 | 17,98 |
| 25.365.1204 | Ø150 mm - Ø200 mm between (6″ - 8″) including (8″) | 30,51 | 24,04 |
| 25.365.1205 | Ø200 mm - Ø250 mm between (8″ - 10″) including (10″) | 38,11 | 30,01 |
| 25.365.1206 | Ø250 mm - Ø300 mm between (10″ - 12″) including (12″) | 45,76 | 36,05 |
| 25.365.1207 | Ø300 mm - Ø350 mm between (12″ - 14″) including (14″) | 53,45 | 42,11 |
| 25.365.1208 | Ø350 mm - Ø400 mm between (14″ - 16″) including (16″) | 61,04 | 48,09 |
| 25.365.1209 | Ø400 mm - Ø450 mm between (16″ - 18″) including (18″) | 68,63 | 54,05 |
| 25.365.1210 | Ø450 mm - Ø500 mm(18″ to 20″) and above | 76,28 | 60,09 |
| **25.365.2000** | **INSULATION AGAINST RUST:**<br>After the cleaning of the metal surfaces, the application of heat by using fibrosing insulation membrane. | | |
| 25.365.2100 | Fiberglass insulation on sheet metal surfaces such as reservoirs; (Unit: m²) | 46,39 | 15,31 |
| **25.365.2200** | **Fiberglass insulation on pipes; (Unit: m)** | | |
| 25.365.2201 | Ø15 mm - Ø50 mm between (1/2″ - 2″) including (2″) | 7,48 | 2,50 |
| 25.365.2202 | Ø50 mm - Ø100 mm between (2″ - 4″) including (4″) | 14,23 | 4,60 |
| 25.365.2203 | Ø100 mm - Ø150 mm between (4″ - 6″) including (6″) | 21,70 | 7,10 |
| 25.365.2204 | Ø150 mm - Ø200 mm between (6″ - 8″) including (8″) | 29,33 | 9,75 |
| 25.365.2205 | Ø200 mm - Ø250 mm between (8″ - 10″) including (10″) | 36,80 | 12,25 |
| 25.365.2206 | Ø250 mm - Ø300 mm between (10″ - 12″) including (12″) | 43,56 | 14,35 |
| 25.365.2207 | Ø300 mm - Ø350 mm between (12″ - 14″) including (14″) | 51,04 | 16,85 |
| 25.365.2208 | Ø350 mm - Ø400 mm(14″ - 16″) and above | 58,51 | 19,35 |
| **25.365.3000** | **VARIOUS METAL MANUFACTURING WORKS: (Unit: kg: Materials on construction site 60%)** | | |
| **25.365.3100** | **To be made of steel profiles by welding, to be used after the grinding of the weld seams only (in compliance with the design drawing, including the material). Construction works shall be paid as per the item 15.550.1202.** | | |
| 25.365.3200 | To be made of brass profile or bars by welding or riveting, to be used after the grinding of the weld seam only (in compliance with the design drawing, including the material). | 179,75 | 9,75 |
| 25.365.3300 | To be made of aluminum profile and bars by welding or riveting, to be used after the grinding of the weld seam only. (In compliance with the design drawing, including the material) | 84,75 | 9,75 |
| 25.365.3400 | **Modular Console systems made of galvanized steel profiles (Unit: kg)**<br>A modular profile system of perforated profiles with G or Box section, 1.5-mm to 4-mm wall thickness and clamps attached to such profiles, which shall be made of S235 JR steel material, manufactured by cold forming as per the TSE K 90°Criteria, and coated with pre-galvanized steel sheet in compliance with TS EN 10346 or hot-dip galvanized coating in compliance with EN ISO 1461, with static and strength calculations made in accordance with the approved production project designs. Delivery in installed form of all modular console systems including ceiling fitting bases, corner joints, clamps and all fittings, with fittings made by a bolt-nut-washer system (in compliance with the quality standards TS EN ISO 898-1 / TS EN ISO 4014, TS EN ISO 898-2 / TS EN ISO 4032, TS EN ISO 898-3), which shall be designed by calculation reports prepared with reference to the calculations of strength and anchorage under load using professional calculation software by the manufacturer. | 88,35 | 5,85 |
| **25.400.0000** | **TECHNICAL INSULATION**<br>Glass Wool and Rock Wool Mats, Boards and Prefabricated Pipes produced in compliance with the TS EN 14303 standard and bearing a CE compliance marking,<br>Rubber Foam Prefabricated Pipes and Boards produced in compliance with the TS EN 14304 standard and bearing a CE compliance marking,<br>Polyethylene Foam Prefabricated Pipes and Boards produced in compliance with the TS EN 14313 standard and bearing a CE compliance marking. | | |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.400.1000** | **Thermal insulation of flat surfaces such as storage tanks and (14") pipes with diameters larger than Ø356 mm with rock wool rabitz wire mattress and rock wool boards; (Unit: m²)**<br>Cleaning the rust and dust and applying two coats of red lead paint on flat surfaces such as storage tanks, followed by the supply, transportation to the work site, and installation of the rock wool technical insulation material in the following density, with at least 0.65 mm wire diameter and at most 25 mm pore size, mat-type, sewn on rabitz wire, with a reaction to fire class of A1.<br>Note: Red lead paint is not included in the unit price. Aluminum or galvanized steel sheet plating is not included in the cost. Sheet coatings on the insulation materials applied on flat surfaces such as storage tanks shall be estimated based on item 25.400.1050, and sheet coatings on pipes insulated with rabitz wire rock wool mattress shall be estimated based on item 25.400.9000. | | |
| 25.400.1001 | 3.0 cm thick rabitz wire rock wool mattress, 80 kg/m³ | 140,88 | 66,63 |
| 25.400.1002 | 4.0 cm thick rabitz wire rock wool mattress | 169,81 | 80,44 |
| 25.400.1003 | 5.0 cm thick rabitz wire rock wool mattress, 80 kg/m³ | 197,79 | 85,31 |
| 25.400.1004 | 6.0 cm thick rabitz wire rock wool mattress, 80 kg/m³ | 234,56 | 90,19 |
| 25.400.1005 | 8.0 cm thick rabitz wire rock wool mattress, 80 kg/m³ | 293,81 | 99,94 |
| 25.400.1006 | 10 cm thick rabitz wire rock wool mattress, 80 kg/m³ | 347,50 | 113,75 |
| 25.400.1007 | 12 cm thick rabitz wire rock wool mattress, 80 kg/m³ | 397,13 | 123,50 |
| 25.400.1008 | 3.0 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 148,30 | 66,63 |
| 25.400.1009 | 4,0 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 178,75 | 80,44 |
| 25.400.1010 | 5.0 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 209,04 | 85,31 |
| 25.400.1011 | 6,0 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 249,00 | 90,19 |
| 25.400.1012 | 8,0 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 313,20 | 99,94 |
| 25.400.1013 | 10 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 370,88 | 113,75 |
| 25.400.1014 | 12 cm thick rabitz wire rock wool mattress, 125 kg/m³ | 424,49 | 123,50 |
| 25.400.1020 | 4.0 cm thick rock wool board, 70 kg/m³ | 136,81 | 80,44 |
| 25.400.1021 | 5.0 cm thick rock wool board, 70 kg/m³ | 154,89 | 85,31 |
| 25.400.1022 | 6.0 cm thick rock wool board, 70 kg/m³ | 174,61 | 90,19 |
| 25.400.1023 | 8.0 cm thick rock wool board, 70 kg/m³ | 210,76 | 99,94 |
| 25.400.1024 | 10 cm thick rock wool board, 70 kg/m³ | 247,95 | 113,75 |
| 25.400.1025 | 12 cm thick rock wool board, 70 kg/m³ | 299,50 | 123,50 |
| **25.400.1050** | **Sheet paneling on mat-type or board-type insulation materials;**<br>Following the board-type or mat-type insulation of the surfaces such as storage tanks, paneling the insulation layer with steel. Supply, transportation to the work site, and installation, of the said insulation materials. | | |
| 25.400.1051 | Surface paneling with 0.6 mm Aluminum Sheet | 199,41 | 39,41 |
| 25.400.1052 | Surface paneling with 0.8 mm Aluminum Sheet | 279,25 | 55,25 |
| 25.400.1053 | Surface paneling with 0.5-mm galvanized sheet | 163,85 | 55,25 |
| **25.400.2000** | **Glass Wool-based Prefabricated Pipe Insulation (Unit: m)**<br>The pipe shall be insulated with uncoated glass wool prefabricated pipe insulation material with a reaction to fire class of A1L, produced in compliance with the TS EN 14303 standard and bearing a CE compliance marking. The painting of the pipe with two layers of red lead paint for protection against corrosion shall be followed by placing the prefabricated glass wool pipe insulation material selected in conformance with the outer pipe diameter on the pipe by widening the longitudinal slit, applying the special adhesive on longitudinal and transverse joints, ensuring sealing by wrapping the transverse joints with aluminum foil tape, and performing the insulation by way of binding with thin wire, belt, etc. at every 30 cm. Supply, transportation to the work site, and installation, of the said insulation materials (to be used for the piping systems with fluids at lower than 250°C temperature).<br>Pipe Outer Diameter — Glass wool Wall Thickness | | |
| 25.400.2001 | (1/2″) Ø21 mm 25 mm | 25,68 | 9,59 |
| 25.400.2002 | (1/2″) Ø21 mm 30 mm | 30,25 | 9,59 |
| 25.400.2003 | Ø21 mm 40 mm | 43,50 | 9,59 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.2004 | Ø21 mm 50 mm | 58,35 | 9,59 |
| 25.400.2005 | Ø21 mm 60 mm | 72,20 | 9,59 |
| 25.400.2006 | (3/4″) Ø27 mm 25 mm | 25,93 | 9,59 |
| 25.400.2007 | (3/4″) Ø27 mm 30 mm | 31,49 | 9,59 |
| 25.400.2008 | Ø27 mm 40 mm | 47,85 | 10,98 |
| 25.400.2009 | Ø27 mm 50 mm | 63,94 | 10,98 |
| 25.400.2010 | Ø27 mm 60 mm | 77,80 | 10,98 |
| 25.400.2011 | (1″) Ø34 mm 30 mm | 35,73 | 10,98 |
| 25.400.2012 | (1″) Ø34 mm 40 mm | 50,58 | 10,98 |
| 25.400.2013 | Ø34 mm 50 mm | 65,43 | 10,98 |
| 25.400.2014 | Ø34 mm 60 mm | 83,99 | 10,98 |
| 25.400.2015 | (1¼″) Ø42 mm 30 mm | 37,70 | 10,98 |
| 25.400.2016 | (1¼″) 42 Ø mm 40 mm | 54,04 | 10,98 |
| 25.400.2017 | Ø42 mm 50 mm | 71,11 | 10,98 |
| 25.400.2018 | Ø42 mm 60 mm | 89,68 | 10,98 |
| 25.400.2019 | (1½″)Ø48 mm 30 mm | 40,18 | 10,98 |
| 25.400.2020 | (1½″)Ø48 mm 40 mm | 55,78 | 10,98 |
| 25.400.2021 | Ø48 mm 50 mm | 72,60 | 10,98 |
| 25.400.2022 | Ø48 mm 60 mm | 91,91 | 10,98 |
| 25.400.2023 | Ø57 mm 30 mm | 43,13 | 12,93 |
| 25.400.2024 | Ø57 mm 40 mm | 56,24 | 12,93 |
| 25.400.2025 | Ø57 mm 50 mm | 72,33 | 12,93 |
| 25.400.2026 | Ø57 mm 60 mm | 94,60 | 12,93 |
| 25.400.2027 | (2″) Ø60 mm 30 mm | 48,56 | 12,93 |
| 25.400.2028 | (2″) Ø60 mm 40 mm | 64,40 | 12,93 |
| 25.400.2029 | Ø60 mm 50 mm | 80,99 | 12,93 |
| 25.400.2030 | Ø60 mm 60 mm | 103,26 | 12,93 |
| 25.400.2031 | Ø60 mm 80 mm | 150,29 | 12,93 |
| 25.400.2032 | Ø63 mm 30 mm | 49,19 | 15,28 |
| 25.400.2033 | Ø63 mm 40 mm | 66,75 | 15,28 |
| 25.400.2034 | Ø63 mm 50 mm | 80,13 | 15,28 |
| 25.400.2035 | Ø63 mm 60 mm | 107,10 | 15,28 |
| 25.400.2036 | Ø63 mm 80 mm | 151,40 | 15,28 |
| 25.400.2037 | Ø70 mm 30 mm | 50,18 | 15,28 |
| 25.400.2038 | Ø70 mm 40 mm | 70,71 | 15,28 |
| 25.400.2039 | Ø70 mm 50 mm | 83,09 | 15,28 |
| 25.400.2040 | Ø70 mm 60 mm | 114,03 | 15,28 |
| 25.400.2041 | Ø70 mm 80 mm | 160,06 | 15,28 |
| 25.400.2042 | Ø76 mm 30 mm | 54,88 | 15,28 |
| 25.400.2043 | Ø76 mm 40 mm | 76,90 | 15,28 |
| 25.400.2044 | Ø76 mm 50 mm | 90,26 | 15,28 |
| 25.400.2045 | Ø76 mm 60 mm | 125,16 | 15,28 |
| 25.400.2046 | Ø76 mm 80 mm | 167,49 | 15,28 |
| 25.400.2047 | Ø83 mm 40 mm | 78,36 | 17,23 |
| 25.400.2048 | Ø83 mm 50 mm | 90,24 | 17,23 |
| 25.400.2049 | Ø83 mm 60 mm | 123,40 | 17,23 |
| 25.400.2050 | Ø83 mm 80 mm | 176,86 | 17,23 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.2051 | Ø89 mm 40 mm | 86,01 | 18,20 |
| 25.400.2052 | Ø89 mm 50 mm | 106,31 | 18,20 |
| 25.400.2053 | Ø89 mm 60 mm | 129,33 | 18,20 |
| 25.400.2054 | Ø89 mm 80 mm | 185,26 | 18,20 |
| 25.400.2055 | Ø102 mm 40 mm | 88,88 | 20,56 |
| 25.400.2056 | Ø102 mm 50 mm | 115,11 | 20,56 |
| 25.400.2057 | Ø102 mm 60 mm | 133,18 | 20,56 |
| 25.400.2058 | Ø102 mm 80 mm | 190,10 | 20,56 |
| 25.400.2059 | Ø108 mm 40 mm | 95,29 | 21,54 |
| 25.400.2060 | Ø108 mm 50 mm | 119,80 | 21,54 |
| 25.400.2061 | Ø108 mm 60 mm | 143,31 | 21,54 |
| 25.400.2062 | Ø108 mm 80 mm | 204,69 | 21,54 |
| 25.400.2063 | Ø114 mm 40 mm | 103,69 | 22,51 |
| 25.400.2064 | Ø114 mm 50 mm | 126,21 | 22,51 |
| 25.400.2065 | Ø114 mm 60 mm | 156,16 | 22,51 |
| 25.400.2066 | Ø114 mm 80 mm | 222,99 | 22,51 |
| 25.400.2067 | Ø127 mm 40 mm | 110,24 | 25,84 |
| 25.400.2068 | Ø127 mm 50 mm | 130,29 | 25,84 |
| 25.400.2069 | Ø127 mm 60 mm | 165,68 | 25,84 |
| 25.400.2070 | Ø127 mm 80 mm | 230,03 | 25,84 |
| 25.400.2071 | Ø133 mm 50 mm | 135,71 | 26,81 |
| 25.400.2072 | Ø133 mm 60 mm | 174,08 | 26,81 |
| 25.400.2073 | Ø133 mm 80 mm | 240,90 | 26,81 |
| 25.400.2074 | Ø140 mm 50 mm | 149,98 | 28,20 |
| 25.400.2075 | Ø140 mm 60 mm | 185,36 | 28,20 |
| 25.400.2076 | Ø140 mm 80 mm | 260,85 | 28,20 |
| 25.400.2077 | Ø159 mm 50 mm | 159,96 | 32,50 |
| 25.400.2078 | Ø159 mm 60 mm | 197,09 | 32,50 |
| 25.400.2079 | Ø159 mm 80 mm | 273,81 | 32,50 |
| 25.400.2080 | Ø169 mm 50 mm | 174,55 | 33,48 |
| 25.400.2081 | Ø169 mm 60 mm | 220,34 | 33,48 |
| 25.400.2082 | Ø169 mm 80 mm | 303,25 | 33,48 |
| 25.400.2083 | Ø193 mm 50 mm | 190,98 | 38,76 |
| 25.400.2084 | Ø193 mm 60 mm | 240,48 | 38,76 |
| 25.400.2085 | Ø193 mm 80 mm | 333,29 | 38,76 |
| 25.400.2086 | Ø219 mm 50 mm | 213,58 | 44,04 |
| 25.400.2087 | Ø219 mm 60 mm | 271,74 | 44,04 |
| 25.400.2088 | Ø219 mm 80 mm | 390,54 | 44,04 |
| 25.400.2089 | Ø244 mm 50 mm | 241,40 | 48,35 |
| 25.400.2090 | Ø244 mm 60 mm | 292,14 | 48,35 |
| 25.400.2091 | Ø244 mm 80 mm | 414,65 | 48,35 |
| 25.400.2092 | Ø273 mm 50 mm | 269,10 | 55,01 |
| 25.400.2093 | Ø273 mm 60 mm | 317,36 | 55,01 |
| 25.400.2094 | Ø273 mm 80 mm | 448,54 | 55,01 |
| **25.400.2500** | **Thermal Insulation with Glass Wool Based Aluminum Foil Coated Prefabricated Pipes (Unit: m)**<br>The pipe shall be insulated with aluminum-foil-coated, glass wool, prefabricated pipe insulation material with a reaction to fire class of at least A2L, s1-d0. Cleaning of rust and dirt and the painting of the pipe with two layers of red lead paint for protection against corrosion shall be followed by placing the aluminum-foil-coated, glass wool, prefabricated pipe insulation material selected in conformance with the | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | outer pipe diameter on the pipe by widening the longitudinal slit, applying the special adhesive on longitudinal and transverse joints, ensuring sealing by wrapping the transverse joints with aluminum foil tape, and performing the insulation by way of binding with thin wire, belt, etc. at every 30 cm. Supply, transportation to the work site, and installation, of the said insulation materials.<br><br>(Red lead paint is not included in the unit price.)<br><br>Glass wool<br><br>Pipe Outer Diameter Wall Thickness | | |
| 25.400.2501 | (1/4″) Ø15 mm 25 mm | 34,51 | 7,64 |
| 25.400.2502 | (1/4″) Ø15 mm 30 mm | 37,86 | 7,64 |
| 25.400.2503 | (1/4″) Ø15 mm 40 mm | 49,75 | 7,64 |
| 25.400.2504 | (1/4″) Ø15 mm 50 mm | 64,26 | 7,64 |
| 25.400.2505 | (1/2″) Ø21 mm 25 mm | 37,90 | 9,59 |
| 25.400.2506 | (1/2″) Ø21 mm 30 mm | 42,65 | 9,59 |
| 25.400.2507 | (1/2″) Ø21 mm 40 mm | 53,84 | 9,59 |
| 25.400.2508 | (1/2″) Ø21 mm 50 mm | 70,74 | 9,59 |
| 25.400.2509 | (1/2″) Ø21 mm 60 mm | 82,63 | 9,59 |
| 25.400.2510 | (3/4″) Ø27 mm 25 mm | 41,20 | 10,98 |
| 25.400.2511 | (3/4″) Ø27 mm 30 mm | 45,48 | 10,98 |
| 25.400.2512 | (3/4″) Ø27 mm 40 mm | 58,31 | 10,98 |
| 25.400.2513 | (3/4″) Ø27 mm 50 mm | 73,79 | 10,98 |
| 25.400.2514 | (3/4″) Ø27 mm 60 mm | 87,81 | 10,98 |
| 25.400.2515 | (1″) Ø33 mm 25 mm | 43,10 | 10,98 |
| 25.400.2516 | (1″) Ø33 mm 30 mm | 48,56 | 10,98 |
| 25.400.2517 | (1″) Ø33 mm 40 mm | 61,89 | 10,98 |
| 25.400.2518 | (1″) Ø33 mm 50 mm | 76,63 | 10,98 |
| 25.400.2519 | (1″) Ø33 mm 60 mm | 96,14 | 10,98 |
| 25.400.2520 | (1¼″) Ø42 mm 25 mm | 45,48 | 10,98 |
| 25.400.2521 | (1¼″) Ø42 mm 30 mm | 50,95 | 10,98 |
| 25.400.2522 | (1¼″) Ø42 mm 40 mm | 65,94 | 10,98 |
| 25.400.2523 | (1¼″) Ø42 mm 50 mm | 86,15 | 10,98 |
| 25.400.2524 | (1¼″) Ø42 mm 60 mm | 98,99 | 10,98 |
| 25.400.2525 | (1½″) Ø48 mm 25 mm | 49,04 | 10,98 |
| 25.400.2526 | (1½″) Ø48 mm 30 mm | 53,33 | 10,98 |
| 25.400.2527 | (1½″) Ø48 mm 40 mm | 69,26 | 10,98 |
| 25.400.2528 | (1½″) Ø48 mm 50 mm | 86,15 | 10,98 |
| 25.400.2529 | (1½″) Ø48 mm 60 mm | 107,09 | 10,98 |
| 25.400.2530 | (2″) Ø60 mm 25 mm | 54,56 | 12,93 |
| 25.400.2531 | (2″) Ø60 mm 30 mm | 60,04 | 12,93 |
| 25.400.2532 | (2″) Ø60 mm 40 mm | 79,30 | 12,93 |
| 25.400.2533 | (2″) Ø60 mm 50 mm | 93,34 | 12,93 |
| 25.400.2534 | (2″) Ø60 mm 60 mm | 118,08 | 12,93 |
| 25.400.2535 | (2″) Ø60 mm 80 mm | 172,30 | 12,93 |
| 25.400.2536 | (2½″) Ø76 mm 25 mm | 63,56 | 15,28 |
| 25.400.2537 | (2½″) Ø76 mm 30 mm | 70,24 | 15,28 |
| 25.400.2538 | (2½″) Ø76 mm 40 mm | 91,40 | 15,28 |
| 25.400.2539 | (2½″) Ø76 mm 50 mm | 105,20 | 15,28 |
| 25.400.2540 | (2½″) Ø76 mm 60 mm | 130,65 | 15,28 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.2541 | (2½″) Ø76 mm 80 mm | 197,26 | 15,28 |
| 25.400.2542 | (2½″) Ø76 mm 100 mm | 247,21 | 15,28 |
| 25.400.2543 | (3″) Ø89 mm 25 mm | 71,50 | 18,20 |
| 25.400.2544 | (3″) Ø89 mm 30 mm | 79,10 | 18,20 |
| 25.400.2545 | (3″) Ø89 mm 40 mm | 99,79 | 18,20 |
| 25.400.2546 | (3″) Ø89 mm 50 mm | 116,69 | 18,20 |
| 25.400.2547 | (3″) Ø89 mm 60 mm | 146,65 | 18,20 |
| 25.400.2548 | (3″) Ø89 mm 80 mm | 213,26 | 18,20 |
| 25.400.2549 | (3″) Ø89 mm 100 mm | 301,28 | 18,20 |
| 25.400.2550 | (4″) Ø114 mm 25 mm | 67,71 | 22,51 |
| 25.400.2551 | (4″) Ø114 mm 30 mm | 94,59 | 22,51 |
| 25.400.2552 | (4″) Ø114 mm 40 mm | 119,34 | 22,51 |
| 25.400.2553 | (4″) Ø114 mm 50 mm | 138,60 | 22,51 |
| 25.400.2554 | (4″) Ø114 mm 60 mm | 172,38 | 22,51 |
| 25.400.2555 | (4″) Ø114 mm 80 mm | 237,80 | 22,51 |
| 25.400.2556 | (4″) Ø114 mm 100 mm | 365,05 | 22,51 |
| 25.400.2557 | (5″) Ø140 mm 30 mm | 118,36 | 28,20 |
| 25.400.2558 | (5″) Ø140 mm 40 mm | 141,20 | 28,20 |
| 25.400.2559 | (5″) Ø140 mm 50 mm | 161,41 | 28,20 |
| 25.400.2560 | (5″) Ø140 mm 60 mm | 201,85 | 28,20 |
| 25.400.2561 | (5″) Ø140 mm 80 mm | 275,59 | 28,20 |
| 25.400.2562 | (5″) Ø140 mm 100 mm | 406,43 | 28,20 |
| 25.400.2563 | (6″) Ø169 mm 30 mm | 139,58 | 33,48 |
| 25.400.2564 | (6″) Ø169 mm 40 mm | 161,93 | 33,48 |
| 25.400.2565 | (6″) Ø169 mm 50 mm | 195,23 | 33,48 |
| 25.400.2566 | (6″) Ø169 mm 60 mm | 235,68 | 33,48 |
| 25.400.2567 | (6″) Ø169 mm 80 mm | 314,16 | 33,48 |
| 25.400.2568 | (6″) Ø169 mm 100 mm | 447,38 | 33,48 |
| 25.400.2569 | (8″) Ø219 mm 30 mm | 180,83 | 44,04 |
| 25.400.2570 | (8″) Ø219 mm 40 mm | 226,03 | 44,04 |
| 25.400.2571 | (8″) Ø219 mm 50 mm | 234,34 | 44,04 |
| 25.400.2572 | (8″) Ø219 mm 60 mm | 303,33 | 44,04 |
| 25.400.2573 | (8″) Ø219 mm 80 mm | 400,85 | 44,04 |
| 25.400.2574 | (8″) Ø219 mm 100 mm | 524,55 | 44,04 |
| 25.400.2575 | (10″) Ø273 mm 30 mm | 215,59 | 55,01 |
| 25.400.2576 | (10″) Ø273 mm 40 mm | 270,30 | 55,01 |
| 25.400.2577 | (10″) Ø273 mm 50 mm | 288,13 | 55,01 |
| 25.400.2578 | (10″) Ø273 mm 60 mm | 335,70 | 55,01 |
| 25.400.2579 | (10″) Ø273 mm 80 mm | 478,43 | 55,01 |
| 25.400.2580 | (12″) Ø324 mm 30 mm | 240,63 | 64,60 |
| 25.400.2581 | (12″) Ø324 mm 40 mm | 297,71 | 64,60 |
| 25.400.2582 | (12″) Ø324 mm 50 mm | 328,64 | 64,60 |
| 25.400.2583 | (12″) Ø324 mm 60 mm | 369,08 | 64,60 |
| 25.400.2584 | (14″) Ø356 mm 30 mm | 256,80 | 71,26 |
| 25.400.2585 | (14″) Ø356 mm 40 mm | 311,51 | 71,26 |
| 25.400.2586 | (14″) Ø356 mm 50 mm | 344,83 | 71,26 |
| 25.400.2587 | (14")356 Ø mm 60 mm | 378,13 | 71,26 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.400.3000** | **Rock Wool Based Prefabricated Pipe Insulation: (Unit: m, Materials on construction site: 60%) (TS EN 14303)**<br>The pipe shall be insulated with uncoated rock wool prefabricated pipe insulation material with a reaction to fire class of A1L, produced in compliance with the TS EN 14303 standard and bearing a CE compliance marking. The cleaning of rust and dirt and painting of the pipe with two layers of red lead paint for protection against corrosion shall be followed by placing the prefabricated glass wool pipe insulation material selected in conformance with the outer pipe diameter on the pipe by widening the longitudinal slit, applying the special adhesive on longitudinal and transverse joints, and performing the insulation by way of binding with thin wire, belt, etc. at every 30 cm. Supply, transportation to the work site, and installation, of the said insulation materials.<br>Rock wool<br>Pipe External Diameter Wall Thickness | | |
| 25.400.3001 | (1/4″) Ø15 mm 25 mm | 32,46 | 7,64 |
| 25.400.3002 | (1/4″) Ø15 mm 30 mm | 40,30 | 7,64 |
| 25.400.3003 | (1/4″) Ø15 mm 40 mm | 56,49 | 7,64 |
| 25.400.3004 | (1/4″) Ø15 mm 50 mm | 64,59 | 7,64 |
| 25.400.3005 | (1/2″) Ø21 mm 25 mm | 37,54 | 9,59 |
| 25.400.3006 | (1/2″) Ø21 mm 30 mm | 44,60 | 9,59 |
| 25.400.3007 | (1/2″) Ø21 mm 40 mm | 61,05 | 9,59 |
| 25.400.3008 | (1/2″) Ø21 mm 50 mm | 73,34 | 9,59 |
| 25.400.3009 | (1/2″) Ø21 mm 60 mm | 97,36 | 9,59 |
| 25.400.3010 | (3/4″) Ø27 mm 25 mm | 42,59 | 10,98 |
| 25.400.3011 | (3/4″) Ø27 mm 30 mm | 49,38 | 10,98 |
| 25.400.3012 | (3/4″) Ø27 mm 40 mm | 66,63 | 10,98 |
| 25.400.3013 | (3/4″) Ø27 mm 50 mm | 79,95 | 10,98 |
| 25.400.3014 | (3/4″) Ø27 mm 60 mm | 104,76 | 10,98 |
| 25.400.3015 | (1″) Ø33 mm 25 mm | 45,99 | 10,98 |
| 25.400.3016 | (1″) Ø33 mm 30 mm | 53,56 | 10,98 |
| 25.400.3017 | (1″) Ø33 mm 40 mm | 71,85 | 10,98 |
| 25.400.3018 | (1″) Ø33 mm 50 mm | 85,69 | 10,98 |
| 25.400.3019 | (1″) Ø33 mm 60 mm | 111,30 | 10,98 |
| 25.400.3020 | (1¼″) Ø42 mm 25 mm | 50,16 | 10,98 |
| 25.400.3021 | (1¼″) Ø42 mm 30 mm | 56,95 | 10,98 |
| 25.400.3022 | (1¼″) Ø42 mm 40 mm | 74,73 | 10,98 |
| 25.400.3023 | (1¼″) Ø42 mm 50 mm | 92,75 | 10,98 |
| 25.400.3024 | (1¼″) Ø42 mm 60 mm | 120,44 | 10,98 |
| 25.400.3025 | (1½″) Ø48 mm 25 mm | 54,60 | 10,98 |
| 25.400.3026 | (1½″) Ø48 mm 30 mm | 61,66 | 10,98 |
| 25.400.3027 | (1½″) Ø48 mm 40 mm | 79,95 | 10,98 |
| 25.400.3028 | (1½″) Ø48 mm 50 mm | 99,80 | 10,98 |
| 25.400.3029 | (1½″) Ø48 mm 60 mm | 128,01 | 10,98 |
| 25.400.3030 | (2″) Ø60 mm 25 mm | 60,21 | 12,93 |
| 25.400.3031 | (2″) Ø60 mm 30 mm | 65,44 | 12,93 |
| 25.400.3032 | (2″) Ø60 mm 40 mm | 84,51 | 12,93 |
| 25.400.3033 | (2″) Ø60 mm 50 mm | 112,20 | 12,93 |
| 25.400.3034 | (2″) Ø60 mm 60 mm | 143,55 | 12,93 |
| 25.400.3035 | (2″) Ø60 mm 80 mm | 197,11 | 12,93 |
| 25.400.3036 | (2½″) Ø76 mm 25 mm | 66,48 | 15,28 |
| 25.400.3037 | (2½″) Ø76 mm 30 mm | 72,75 | 15,28 |
| 25.400.3038 | (2½″) Ø76 mm 40 mm | 100,44 | 15,28 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.3039 | (2½″) Ø76 mm 50 mm | 126,05 | 15,28 |
| 25.400.3040 | (2½″) Ø76 mm 60 mm | 162,88 | 15,28 |
| 25.400.3041 | (2½″) Ø76 mm 80 mm | 213,83 | 15,28 |
| 25.400.3042 | (2½″) Ø76 mm 100 mm | 294,81 | 15,28 |
| 25.400.3043 | (3″) Ø89 mm 25 mm | 75,68 | 18,20 |
| 25.400.3044 | (3″) Ø89 mm 30 mm | 80,90 | 18,20 |
| 25.400.3045 | (3″) Ø89 mm 40 mm | 114,34 | 18,20 |
| 25.400.3046 | (3″) Ø89 mm 50 mm | 142,55 | 18,20 |
| 25.400.3047 | (3″) Ø89 mm 60 mm | 177,56 | 18,20 |
| 25.400.3048 | (3″) Ø89 mm 80 mm | 240,26 | 18,20 |
| 25.400.3049 | (3″) Ø89 mm 100 mm | 318,64 | 18,20 |
| 25.400.3050 | (4″) Ø114 mm 25 mm | 95,40 | 22,51 |
| 25.400.3051 | (4″) Ø114 mm 30 mm | 97,75 | 22,51 |
| 25.400.3052 | (4″) Ø114 mm 40 mm | 125,45 | 22,51 |
| 25.400.3053 | (4″) Ø114 mm 50 mm | 171,43 | 22,51 |
| 25.400.3054 | (4″) Ø114 mm 60 mm | 198,85 | 22,51 |
| 25.400.3055 | (4″) Ø114 mm 80 mm | 270,70 | 22,51 |
| 25.400.3056 | (4″) Ø114 mm 100 mm | 393,49 | 22,51 |
| 25.400.3057 | (5″) Ø140 mm 30 mm | 115,20 | 28,20 |
| 25.400.3058 | (5″) Ø140 mm 40 mm | 147,59 | 28,20 |
| 25.400.3059 | (5″) Ø140 mm 50 mm | 192,79 | 28,20 |
| 25.400.3060 | (5″) Ø140 mm 60 mm | 234,59 | 28,20 |
| 25.400.3061 | (5″) Ø140 mm 80 mm | 310,35 | 28,20 |
| 25.400.3062 | (5″) Ø140 mm 100 mm | 446,20 | 28,20 |
| 25.400.3063 | (6″) Ø169 mm 30 mm | 133,28 | 33,48 |
| 25.400.3064 | (6″) Ø169 mm 40 mm | 174,55 | 33,48 |
| 25.400.3065 | (6″) Ø169 mm 50 mm | 229,41 | 33,48 |
| 25.400.3066 | (6″) Ø169 mm 60 mm | 271,21 | 33,48 |
| 25.400.3067 | (6″) Ø169 mm 80 mm | 360,04 | 33,48 |
| 25.400.3068 | (6″) Ø169 mm 100 mm | 495,89 | 33,48 |
| 25.400.3069 | (8″) Ø219 mm 30 mm | 174,66 | 44,04 |
| 25.400.3070 | (8″) Ø219 mm 40 mm | 224,30 | 44,04 |
| 25.400.3071 | (8″) Ø219 mm 50 mm | 275,25 | 44,04 |
| 25.400.3072 | (8″) Ø219 mm 60 mm | 331,41 | 44,04 |
| 25.400.3073 | (8″) Ø219 mm 80 mm | 456,81 | 44,04 |
| 25.400.3074 | (8″) Ø219 mm 100 mm | 595,28 | 44,04 |
| 25.400.3075 | (10″) Ø273 mm 30 mm | 209,15 | 55,01 |
| 25.400.3076 | (10″) Ø273 mm 40 mm | 267,94 | 55,01 |
| 25.400.3077 | (10″) Ø273 mm 50 mm | 324,10 | 55,01 |
| 25.400.3078 | (10″) Ø273 mm 60 mm | 397,25 | 55,01 |
| 25.400.3079 | (10″) Ø273 mm 80 mm | 540,94 | 55,01 |
| 25.400.3080 | (12″) Ø324 mm 30 mm | 240,94 | 64,60 |
| 25.400.3081 | (12″) Ø324 mm 40 mm | 312,79 | 64,60 |
| 25.400.3082 | (12″) Ø324 mm 50 mm | 380,71 | 64,60 |
| 25.400.3083 | (12″) Ø324 mm 60 mm | 466,93 | 64,60 |
| 25.400.3084 | (14″) Ø356 mm 30 mm | 275,04 | 71,26 |
| 25.400.3085 | (14″) Ø356 mm 40 mm | 342,96 | 71,26 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.3086 | (14″) Ø356 mm 50 mm | 416,11 | 71,26 |
| **25.400.3500** | **Thermal Insulation with Rock Wool Based Aluminum Foil Coated Prefabricated Pipes (Unit: m)**<br>The pipe shall be insulated with aluminum-foil-coated, rock wool, prefabricated pipe insulation material, produced in compliance with the TS EN 14303 standard and bearing a CE compliance marking, with a reaction to fire class of at least A2L, s1-d0. Cleaning of rust and dirt and the painting of the pipe with two layers of red lead paint for protection against corrosion shall be followed by placing the aluminum-foil-coated, rock wool, prefabricated pipe insulation material selected in conformance with the outer pipe diameter on the pipe by widening the longitudinal slit, applying the special adhesive on longitudinal and transverse joints, ensuring sealing by wrapping the transverse joints with aluminum foil tape, and performing the insulation by way of binding with thin wire, belt, etc. at every 30 cm. Supply, transportation to the work site and installation, of the said insulation materials.<br><br>(Red lead paint is not included in the unit price.)<br><br>Pipe Outer Diameter — Rock wool Wall Thickness | | |
| 25.400.3501 | (1/4″) Ø15 mm 25 mm | 47,09 | 7,64 |
| 25.400.3502 | (1/4″) Ø15 mm 30 mm | 55,19 | 7,64 |
| 25.400.3503 | (1/4″) Ø15 mm 40 mm | 70,34 | 7,64 |
| 25.400.3504 | (1/4″) Ø15 mm 50 mm | 85,49 | 7,64 |
| 25.400.3505 | (1/2″) Ø21 mm 25 mm | 48,78 | 9,59 |
| 25.400.3506 | (1/2″) Ø21 mm 30 mm | 57,66 | 9,59 |
| 25.400.3507 | (1/2″) Ø21 mm 40 mm | 72,03 | 9,59 |
| 25.400.3508 | (1/2″) Ø21 mm 50 mm | 92,14 | 9,59 |
| 25.400.3509 | (1/2″) Ø21 mm 60 mm | 111,74 | 9,59 |
| 25.400.3510 | (3/4″) Ø27 mm 25 mm | 54,08 | 10,98 |
| 25.400.3511 | (3/4″) Ø27 mm 30 mm | 63,23 | 10,98 |
| 25.400.3512 | (3/4″) Ø27 mm 40 mm | 79,43 | 10,98 |
| 25.400.3513 | (3/4″) Ø27 mm 50 mm | 97,98 | 10,98 |
| 25.400.3514 | (3/4″) Ø27 mm 60 mm | 120,44 | 10,98 |
| 25.400.3515 | (1″) Ø33 mm 25 mm | 56,95 | 10,98 |
| 25.400.3516 | (1″) Ø33 mm 30 mm | 68,45 | 10,98 |
| 25.400.3517 | (1″) Ø33 mm 40 mm | 83,60 | 10,98 |
| 25.400.3518 | (1″) Ø33 mm 50 mm | 102,41 | 10,98 |
| 25.400.3519 | (1″) Ø33 mm 60 mm | 126,98 | 10,98 |
| 25.400.3520 | (1¼″) Ø42 mm 25 mm | 64,01 | 10,98 |
| 25.400.3521 | (1¼″) Ø42 mm 30 mm | 71,85 | 10,98 |
| 25.400.3522 | (1¼″) Ø42 mm 40 mm | 88,05 | 10,98 |
| 25.400.3523 | (1¼″) Ø42 mm 50 mm | 111,30 | 10,98 |
| 25.400.3524 | (1¼″) Ø42 mm 60 mm | 137,68 | 10,98 |
| 25.400.3525 | (1½″) Ø48 mm 25 mm | 69,50 | 10,98 |
| 25.400.3526 | (1½″) Ø48 mm 30 mm | 77,08 | 10,98 |
| 25.400.3527 | (1½″) Ø48 mm 40 mm | 94,31 | 10,98 |
| 25.400.3528 | (1½″) Ø48 mm 50 mm | 117,56 | 10,98 |
| 25.400.3529 | (1½″) Ø48 mm 60 mm | 148,13 | 10,98 |
| 25.400.3530 | (2″) Ø60 mm 25 mm | 77,19 | 12,93 |
| 25.400.3531 | (2″) Ø60 mm 30 mm | 82,15 | 12,93 |
| 25.400.3532 | (2″) Ø60 mm 40 mm | 102,01 | 12,93 |
| 25.400.3533 | (2″) Ø60 mm 50 mm | 131,54 | 12,93 |
| 25.400.3534 | (2″) Ø60 mm 60 mm | 155,31 | 12,93 |
| 25.400.3535 | (2″) Ø60 mm 80 mm | 237,60 | 12,93 |
| 25.400.3536 | (21/2") 76Ø mm 25 mm | 87,38 | 15,28 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.3537 | (21/2") 76Ø mm 30 mm | 91,30 | 15,28 |
| 25.400.3538 | (21/2") 76Ø mm 40 mm | 115,60 | 15,28 |
| 25.400.3539 | (21/2") 76Ø mm 50 mm | 149,83 | 15,28 |
| 25.400.3540 | (21/2") 76Ø mm 60 mm | 186,40 | 15,28 |
| 25.400.3541 | (21/2") 76Ø mm 80 mm | 251,71 | 15,28 |
| 25.400.3542 | (21/2") 76Ø mm 100 mm | 344,45 | 15,28 |
| 25.400.3543 | (3″) Ø89 mm 25 mm | 93,70 | 18,20 |
| 25.400.3544 | (3″) Ø89 mm 30 mm | 102,85 | 18,20 |
| 25.400.3545 | (3″) Ø89 mm 40 mm | 132,89 | 18,20 |
| 25.400.3546 | (3″) Ø89 mm 50 mm | 164,50 | 18,20 |
| 25.400.3547 | (3″) Ø89 mm 60 mm | 202,39 | 18,20 |
| 25.400.3548 | (3″) Ø89 mm 80 mm | 284,68 | 18,20 |
| 25.400.3549 | (3″) Ø89 mm 100 mm | 378,73 | 18,20 |
| 25.400.3550 | (4″) Ø114 mm 25 mm | 115,51 | 22,51 |
| 25.400.3551 | (4″) Ø114 mm 30 mm | 124,14 | 22,51 |
| 25.400.3552 | (4″) Ø114 mm 40 mm | 155,75 | 22,51 |
| 25.400.3553 | (4″) Ø114 mm 50 mm | 192,33 | 22,51 |
| 25.400.3554 | (4″) Ø114 mm 60 mm | 223,68 | 22,51 |
| 25.400.3555 | (4″) Ø114 mm 80 mm | 325,56 | 22,51 |
| 25.400.3556 | (4″) Ø114 mm 100 mm | 440,51 | 22,51 |
| 25.400.3557 | (5″) Ø140 mm 30 mm | 141,85 | 28,20 |
| 25.400.3558 | (5″) Ø140 mm 40 mm | 174,50 | 28,20 |
| 25.400.3559 | (5″) Ø140 mm 50 mm | 215,00 | 28,20 |
| 25.400.3560 | (5″) Ø140 mm 60 mm | 262,03 | 28,20 |
| 25.400.3561 | (5″) Ø140 mm 80 mm | 367,83 | 28,20 |
| 25.400.3562 | (5″) Ø140 mm 100 mm | 508,90 | 28,20 |
| 25.400.3563 | (6″) Ø169 mm 30 mm | 170,63 | 33,48 |
| 25.400.3564 | (6″) Ø169 mm 40 mm | 208,51 | 33,48 |
| 25.400.3565 | (6″) Ø169 mm 50 mm | 258,15 | 33,48 |
| 25.400.3566 | (6″) Ø169 mm 60 mm | 297,34 | 33,48 |
| 25.400.3567 | (6″) Ø169 mm 80 mm | 417,51 | 33,48 |
| 25.400.3568 | (6″) Ø169 mm 100 mm | 558,59 | 33,48 |
| 25.400.3569 | (8″) Ø219 mm 30 mm | 213,85 | 44,04 |
| 25.400.3570 | (8″) Ø219 mm 40 mm | 267,40 | 44,04 |
| 25.400.3571 | (8″) Ø219 mm 50 mm | 310,51 | 44,04 |
| 25.400.3572 | (8″) Ø219 mm 60 mm | 365,38 | 44,04 |
| 25.400.3573 | (8″) Ø219 mm 80 mm | 509,06 | 44,04 |
| 25.400.3574 | (8″) Ø219 mm 100 mm | 644,91 | 44,04 |
| 25.400.3575 | (10″) Ø273 mm 30 mm | 256,18 | 55,01 |
| 25.400.3576 | (10″) Ø273 mm 40 mm | 300,59 | 55,01 |
| 25.400.3577 | (10″) Ø273 mm 50 mm | 360,68 | 55,01 |
| 25.400.3578 | (10″) Ø273 mm 60 mm | 441,66 | 55,01 |
| 25.400.3579 | (10″) Ø273 mm 80 mm | 611,48 | 55,01 |
| 25.400.3580 | (12″) Ø324 mm 30 mm | 291,89 | 64,60 |
| 25.400.3581 | (12″) Ø324 mm 40 mm | 365,04 | 64,60 |
| 25.400.3582 | (12″) Ø324 mm 50 mm | 435,58 | 64,60 |
| 25.400.3583 | (12″) Ø324 mm 60 mm | 519,18 | 64,60 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.3584 | (14″) Ø356 mm 30 mm | 327,29 | 71,26 |
| 25.400.3585 | (14″) Ø356 mm 40 mm | 403,05 | 71,26 |
| 25.400.3586 | (14″) Ø356 mm 50 mm | 470,98 | 71,26 |
| **25.400.4000** | **Thermal insulation with polyethylene foam based prefabricated pipes (Unit: m)**<br>Supply, transportation to the work site, and installation, of the prefabricated insulation materials made of uncoated polyethylene foam, produced in compliance with the TS EN 14313 standard, bearing a CE compliance marking, with ≤ 0.050W/(m.K) heat conductivity (0ºC), μ ≥ 3,000 water vapor diffusion resistance coefficient, and a reaction to fire class o at least E, clearing the corrosion, dust and impurities on the duct surface to be insulated and coating it with two layers of re lead paint for protection against corrosion, applying the adhesive developed specifically for polyethylene foam on both sid by placing the prefabricated polyethylene pipe insulation material selected in conformance with the outer pipe diameter on the pipe, wrapping the transverse joints with aluminum foil, self-adhesive tape, using clips if no adhesive can be applied (valves, etc.) and applying two layers of UV protection coating manufactured specifically to protect against external factor (if no metal sheet coating will be applied on the insulation material to protect it against external factors) (excluding the cos of the red lead paint and UV protection coating).<br>Note: For pipes with diameters larger than Ø114 mm, polyethylene foam sheet at the desired insulation thickness shall be used and it shall be paid on item 25.480.1700.<br>Pipe Outer Diameter — Polyethylene Wall Thickness | | |
| 25.400.4001 | (1/2″) Ø22 mm 10 mm | 4,91 | 3,34 |
| 25.400.4002 | (1/2″) Ø22 mm 15 mm | 5,95 | 3,34 |
| 25.400.4003 | (1/2″) Ø22 mm 20 mm | 7,95 | 3,34 |
| 25.400.4004 | (1/2″) Ø22 mm 30 mm | 13,51 | 3,34 |
| 25.400.4005 | (3/4″) Ø28 mm 10 mm | 6,18 | 4,31 |
| 25.400.4006 | (3/4″) Ø28 mm 15 mm | 7,61 | 4,31 |
| 25.400.4007 | (3/4″) Ø28 mm 20 mm | 9,40 | 4,31 |
| 25.400.4008 | (3/4″) Ø28 mm 30 mm | 15,39 | 4,31 |
| 25.400.4009 | (1″) Ø35 mm 10 mm | 6,65 | 4,31 |
| 25.400.4010 | (1″) Ø35 mm 15 mm | 7,96 | 4,31 |
| 25.400.4011 | (1″) Ø35 mm 20 mm | 10,23 | 4,31 |
| 25.400.4012 | (1″) Ø35 mm 30 mm | 16,96 | 4,31 |
| 25.400.4013 | (1¼″) Ø42 mm 10 mm | 7,90 | 5,29 |
| 25.400.4014 | (1¼″) Ø42 mm 15 mm | 9,41 | 5,29 |
| 25.400.4015 | (1¼″) Ø42 mm 20 mm | 13,20 | 5,29 |
| 25.400.4016 | (1¼″) Ø42 mm 30 mm | 19,31 | 5,29 |
| 25.400.4017 | (1½″)Ø48 mm 10 mm | 7,98 | 5,29 |
| 25.400.4018 | (1½″)Ø48 mm 15 mm | 10,24 | 5,29 |
| 25.400.4019 | (1½″)Ø48 mm 20 mm | 13,74 | 5,29 |
| 25.400.4020 | (1½″)Ø48 mm 30 mm | 21,79 | 5,29 |
| 25.400.4021 | (2″) Ø60 mm 10 mm | 11,41 | 7,64 |
| 25.400.4022 | (2″) Ø60 mm 15 mm | 14,16 | 7,64 |
| 25.400.4023 | (2″) Ø60 mm 20 mm | 18,91 | 7,64 |
| 25.400.4024 | (2″) Ø60 mm 30 mm | 28,26 | 7,64 |
| 25.400.4025 | (2½″)Ø76 mm 10 mm | 13,78 | 8,61 |
| 25.400.4026 | (2½″)Ø76 mm 15 mm | 17,41 | 8,61 |
| 25.400.4027 | (2½″)Ø76 mm 20 mm | 22,03 | 8,61 |
| 25.400.4028 | (2½″)Ø76 mm 30 mm | 37,08 | 8,61 |
| 25.400.4029 | (3″)Ø89 mm 10 mm | 17,79 | 10,56 |
| 25.400.4030 | (3″)Ø89 mm 15 mm | 21,01 | 10,56 |
| 25.400.4031 | (3″)Ø89 mm 20 mm | 27,06 | 10,56 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.4032 | (3″)Ø89 mm 30 mm | 45,90 | 10,56 |
| 25.400.4033 | (4″)Ø114 mm 15 mm | 26,28 | 13,90 |
| 25.400.4034 | (4″)Ø114 mm 20 mm | 34,94 | 13,90 |
| 25.400.4035 | (4″)Ø114 mm 30 mm | 54,74 | 13,90 |
| 25.400.4036 | (5″)Ø139 mm 20 mm | 49,65 | 13,90 |
| **25.400.4500** | **Thermal Insulation with Aluminum Composite Film Coated Polyethylene Based Prefabricated Pipes (Unit: m)**<br>Supply, transportation to the work site, and installation, of the prefabricated insulation materials laminated with Aluminum Composite Film with a total thickness of 50-100 microns on top of polyethylene foam, produced in compliance with the TS EN 14313 standard, bearing a CE compliance marking, with ≤ 0.050W/(m.K) heat conductivity (0ºC), μ ≥ 3,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least E, clearing the corrosion, dust and impurities on the duct surface to be insulated and coating it with two layers of red lead paint, applying the adhesive developed specifically for polyethylene foam on both sides, wrapping the transverse joints with aluminum foil, self-adhesive tape, and using clips if no adhesive can be applied (valves, etc.) (excluding the cost of the red lead paint).<br>Note: (4") For pipes with diameters larger than Ø114 mm, polyethylene foam sheet at the desired insulation thickness shall be used and it shall be paid on item 25.480.1700.<br>Pipe Outer Diameter Insulation Wall Thickness | | |
| 25.400.4501 | (1/2″) Ø22 mm 10 mm | 7,19 | 3,34 |
| 25.400.4502 | (1/2″) Ø22 mm 15 mm | 7,88 | 3,34 |
| 25.400.4503 | (1/2″) Ø22 mm 20 mm | 13,51 | 3,34 |
| 25.400.4504 | (1/2″) Ø22 mm 30 mm | 23,14 | 3,34 |
| 25.400.4505 | (3/4″) Ø28 mm 10 mm | 8,79 | 4,31 |
| 25.400.4506 | (3/4″) Ø28 mm 15 mm | 12,29 | 4,31 |
| 25.400.4507 | (3/4″) Ø28 mm 20 mm | 16,14 | 4,31 |
| 25.400.4508 | (3/4″) Ø28 mm 30 mm | 25,90 | 4,31 |
| 25.400.4509 | (1″) Ø35 mm 10 mm | 9,54 | 4,31 |
| 25.400.4510 | (1″) Ø35 mm 15 mm | 13,46 | 4,31 |
| 25.400.4511 | (1″) Ø35 mm 20 mm | 17,86 | 4,31 |
| 25.400.4512 | (1″) Ø35 mm 30 mm | 27,83 | 4,31 |
| 25.400.4513 | (1¼″) Ø42 mm 10 mm | 11,95 | 5,29 |
| 25.400.4514 | (1¼″) Ø42 mm 15 mm | 15,60 | 5,29 |
| 25.400.4515 | (1¼″) Ø42 mm 20 mm | 22,06 | 5,29 |
| 25.400.4516 | (1¼″) Ø42 mm 30 mm | 31,41 | 5,29 |
| 25.400.4517 | (1½″)Ø48 mm 10 mm | 12,23 | 5,29 |
| 25.400.4518 | (1½″)Ø48 mm 15 mm | 17,66 | 5,29 |
| 25.400.4519 | (1½″)Ø48 mm 20 mm | 25,36 | 5,29 |
| 25.400.4520 | (1½″)Ø48 mm 30 mm | 34,71 | 5,29 |
| 25.400.4521 | (2″) Ø60 mm 10 mm | 17,06 | 7,64 |
| 25.400.4522 | (2″) Ø60 mm 15 mm | 23,86 | 7,64 |
| 25.400.4523 | (2″) Ø60 mm 20 mm | 32,66 | 7,64 |
| 25.400.4524 | (2″) Ø60 mm 30 mm | 43,25 | 7,64 |
| 25.400.4525 | (2½″)Ø76 mm 10 mm | 21,34 | 8,61 |
| 25.400.4526 | (2½″)Ø76 mm 15 mm | 28,28 | 8,61 |
| 25.400.4527 | (2½″)Ø76 mm 20 mm | 38,59 | 8,61 |
| 25.400.4528 | (2½″)Ø76 mm 30 mm | 49,18 | 8,61 |
| 25.400.4529 | (3″)Ø89 mm 10 mm | 26,65 | 10,56 |
| 25.400.4530 | (3″)Ø89 mm 15 mm | 32,84 | 10,56 |
| 25.400.4531 | (3″)Ø89 mm 20 mm | 41,50 | 10,56 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.4532 | (3″)Ø89 mm 30 mm | 55,39 | 10,56 |
| 25.400.4533 | (4″)Ø114 mm 15 mm | 41,95 | 13,90 |
| 25.400.4534 | (4″)Ø114 mm 20 mm | 53,78 | 13,90 |
| 25.400.4535 | (4″)Ø114 mm 30 mm | 67,25 | 13,90 |
| 25.400.4536 | (5″)Ø139 mm 20 mm | 72,89 | 13,90 |
| 25.400.4537 | (5″)Ø139 mm 30 mm | 95,71 | 13,90 |
| 25.400.4538 | (6″)Ø165 mm 20 mm | 88,15 | 13,90 |
| 25.400.4539 | (6″)Ø165 mm 30 mm | 117,71 | 13,90 |
| **25.400.5000** | **Thermal insulation with rubber foam based prefabricated pipes (Unit: m)**<br>Supply, transportation to the work site, and installation, of elastomeric rubber foam prefabricated pipe insulation material, produced in compliance with the TS EN 14304 standard, bearing a CE compliance marking, with ≤ 0.040W/(m.K) heat conductivity (0ºC), μ ≥ 7,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least B, s3-d0, clearing the corrosion, dust and impurities on the duct surface to be insulated and coating it with two layers of red lead paint, applying the adhesive developed specifically for rubber foam on both sides after selecting and applying the insulation material conforming to the pipe's outer diameters, wrapping the transverse joints with elastomeric rubber, self-adhesive tape, and applying two layers of UV protection coating manufactured specifically to protect against external factors (if no metal sheet coating will be applied on the insulation material to protect it against external factors) (excluding the cost of the red lead paint and UV protection coating).<br>Additional coating materials shall be charged per the relevant items.<br>Note: For pipes with diameters larger than Ø114 mm, elastomeric rubber foam sheet at the desired insulation thickness shall be used and it shall be paid on item 25.480.1500.<br>Outside diameter Wall thickness | | |
| 25.400.5001 | (3/8″)Ø18 mm 9 mm | 6,99 | 2,36 |
| 25.400.5002 | (3/8″)Ø18 mm 13 mm | 9,49 | 2,36 |
| 25.400.5003 | (3/8″)Ø18 mm 19 mm | 14,30 | 2,36 |
| 25.400.5004 | (3/8″)Ø18 mm 25 mm | 21,43 | 2,36 |
| 25.400.5005 | (3/8″)Ø18 mm 32 mm | 33,55 | 2,36 |
| 25.400.5006 | (1/2″) Ø22 mm 9 mm | 8,54 | 3,34 |
| 25.400.5007 | (1/2″) Ø22 mm 13 mm | 11,14 | 3,34 |
| 25.400.5008 | (1/2″) Ø22 mm 19 mm | 16,63 | 3,34 |
| 25.400.5009 | (1/2″) Ø22 mm 25 mm | 23,94 | 3,34 |
| 25.400.5010 | (1/2″) Ø22 mm 32 mm | 33,18 | 3,34 |
| 25.400.5011 | (3/4″) Ø28 mm 9 mm | 10,19 | 4,31 |
| 25.400.5012 | (3/4″) Ø28 mm 13 mm | 13,46 | 4,31 |
| 25.400.5013 | (3/4″) Ø28 mm 19 mm | 19,81 | 4,31 |
| 25.400.5014 | (3/4″) Ø28 mm 25 mm | 27,23 | 4,31 |
| 25.400.5015 | (3/4″) Ø28 mm 32 mm | 42,24 | 4,31 |
| 25.400.5016 | (1″)Ø35 mm 9 mm | 11,44 | 4,31 |
| 25.400.5017 | (1″)Ø35 mm 13 mm | 15,00 | 4,31 |
| 25.400.5018 | (1″)Ø35 mm 19 mm | 22,41 | 4,31 |
| 25.400.5019 | (1″)Ø35 mm 25 mm | 31,84 | 4,31 |
| 25.400.5020 | (1″)Ø35 mm 32 mm | 46,28 | 4,31 |
| 25.400.5021 | (1¼″) Ø42 mm 9 mm | 13,38 | 5,29 |
| 25.400.5022 | (1¼″) Ø42 mm 13 mm | 17,51 | 5,29 |
| 25.400.5023 | (1¼″) Ø42 mm 19 mm | 25,11 | 5,29 |
| 25.400.5024 | (1¼″) Ø42 mm 25 mm | 35,90 | 5,29 |
| 25.400.5025 | (1¼″) Ø42 mm 32 mm | 52,26 | 5,29 |
| 25.400.5026 | (1½″) Ø48 mm 9 mm | 14,53 | 5,29 |
| 25.400.5027 | (1½″) Ø48 mm 13 mm | 18,58 | 5,29 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.5028 | (1½″) Ø48 mm 19 mm | 26,65 | 5,29 |
| 25.400.5029 | (1½″) Ø48 mm 25 mm | 37,83 | 5,29 |
| 25.400.5030 | (1½″) Ø48 mm 32 mm | 55,91 | 5,29 |
| 25.400.5031 | (2″) Ø60 mm 9 mm | 18,51 | 7,64 |
| 25.400.5032 | (2″) Ø60 mm 13 mm | 23,14 | 7,64 |
| 25.400.5033 | (2″) Ø60 mm 19 mm | 33,24 | 7,64 |
| 25.400.5034 | (2″) Ø60 mm 25 mm | 47,10 | 7,64 |
| 25.400.5035 | (2″) Ø60 mm 32 mm | 66,35 | 7,64 |
| 25.400.5036 | (2½″) Ø76 mm 9 mm | 22,38 | 8,61 |
| 25.400.5037 | (2½″) Ø76 mm 13 mm | 28,44 | 8,61 |
| 25.400.5038 | (2½″) Ø76 mm 19 mm | 38,64 | 8,61 |
| 25.400.5039 | (2½″) Ø76 mm 25 mm | 56,35 | 8,61 |
| 25.400.5040 | (2½″) Ø76 mm 32 mm | 78,69 | 8,61 |
| 25.400.5041 | (3″) Ø89 mm 9 mm | 26,74 | 10,56 |
| 25.400.5042 | (3″) Ø89 mm 13 mm | 33,09 | 10,56 |
| 25.400.5043 | (3″) Ø89 mm 19 mm | 45,99 | 10,56 |
| 25.400.5044 | (3″) Ø89 mm 25 mm | 64,65 | 10,56 |
| 25.400.5045 | (3″) Ø89 mm 32 mm | 85,45 | 10,56 |
| 25.400.5046 | (4″) Ø114 mm 9 mm | 35,46 | 13,90 |
| 25.400.5047 | (4″) Ø114 mm 13 mm | 43,16 | 13,90 |
| 25.400.5048 | (4″) Ø114 mm 19 mm | 57,79 | 13,90 |
| 25.400.5049 | (4″) Ø114 mm 25 mm | 82,81 | 13,90 |
| 25.400.5050 | (4″) Ø114 mm 32 mm | 108,41 | 13,90 |
| 25.400.5051 | (3/8'') 18 Ø mm 40mm | 38,94 | 2,36 |
| 25.400.5052 | (1/2'') 22 Ø mm 40 mm | 41,84 | 3,34 |
| 25.400.5053 | (3/4'') 28 Ø mm 40 mm | 48,59 | 4,31 |
| 25.400.5054 | (1'') 35 Ø mm 40 mm | 52,44 | 4,31 |
| 25.400.5055 | (1 ¼'') 42 Ø mm 40 mm | 59,19 | 5,29 |
| 25.400.5056 | (1 ½'') 48 Ø mm 40 mm | 63,04 | 5,29 |
| 25.400.5057 | (2'') 60 Ø mm 40 mm | 75,01 | 7,64 |
| 25.400.5058 | (2 ½'') 76 Ø mm 40 mm | 85,61 | 8,61 |
| 25.400.5059 | (3'') 89 Ø mm 40 mm | 97,19 | 10,56 |
| | | 119,78 | 13,90 |
| **25.400.5500** | **Thermal insulation with aluminum composite film coated rubber foam based prefabricated pipes (Unit: m)**<br>Supply, transportation to the work site, and installation, of the insulation materials laminated with Aluminum Composite Film with a total thickness of 50-100 microns on top of an elastomeric rubber foam prefabricated pipe insulation material, produced in compliance with the TS EN 14304 standard, bearing a CE compliance marking, with ≤ 0.040W/(m.K) heat conductivity (0ºC), μ ≥ 7,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least B, s3-d0, clearing the corrosion, dust and impurities on the duct surface to be insulated and coating it with two layers of red lead paint, applying the adhesive developed specifically for rubber foam on both sides after selecting and applying the insulation material conforming to the pipe's outer diameters, and wrapping the transverse joints with aluminum foil, self-adhesive tape (excluding the cost of the red lead paint and aluminum sheet coating). Note: (4″) For pipes with diameters larger than Ø114 mm, elastomeric rubber foam sheet at the desired insulation thickness shall be used and it shall be paid on item 25.480.1800.<br>Pipe Outer Diameter Insulation Wall Thickness | | |
| 25.400.5501 | (1/2″) Ø22 mm 9 mm | 11,59 | 3,34 |
| 25.400.5502 | (1/2″) Ø22 mm 13 mm | 15,63 | 3,34 |
| 25.400.5503 | (1/2″) Ø22 mm 19 mm | 26,38 | 3,34 |
| 25.400.5504 | (1/2″) Ø22 mm 25 mm | 41,15 | 3,34 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.5505 | (1/2″) Ø22 mm 32 mm | 72,09 | 3,34 |
| 25.400.5506 | (3/4″) Ø28 mm 9 mm | 13,59 | 4,31 |
| 25.400.5507 | (3/4″) Ø28 mm 13 mm | 18,06 | 4,31 |
| 25.400.5508 | (3/4″) Ø28 mm 19 mm | 30,61 | 4,31 |
| 25.400.5509 | (3/4″) Ø28 mm 25 mm | 45,40 | 4,31 |
| 25.400.5510 | (3/4″) Ø28 mm 32 mm | 73,06 | 4,31 |
| 25.400.5511 | (1″)Ø35 mm 9 mm | 15,41 | 4,31 |
| 25.400.5512 | (1″)Ø35 mm 13 mm | 19,79 | 4,31 |
| 25.400.5513 | (1″)Ø35 mm 19 mm | 34,56 | 4,31 |
| 25.400.5514 | (1″)Ø35 mm 25 mm | 52,78 | 4,31 |
| 25.400.5515 | (1″)Ø35 mm 32 mm | 78,74 | 4,31 |
| 25.400.5516 | (1¼″) Ø42 mm 9 mm | 18,10 | 5,29 |
| 25.400.5517 | (1¼″) Ø42 mm 13 mm | 23,50 | 5,29 |
| 25.400.5518 | (1¼″) Ø42 mm 19 mm | 40,88 | 5,29 |
| 25.400.5519 | (1¼″) Ø42 mm 25 mm | 61,50 | 5,29 |
| 25.400.5520 | (1¼″) Ø42 mm 32 mm | 91,23 | 5,29 |
| 25.400.5521 | (1½″) Ø48 mm 9 mm | 20,33 | 5,29 |
| 25.400.5522 | (1½″) Ø48 mm 13 mm | 25,40 | 5,29 |
| 25.400.5523 | (1½″) Ø48 mm 19 mm | 45,50 | 5,29 |
| 25.400.5524 | (1½″) Ø48 mm 25 mm | 67,50 | 5,29 |
| 25.400.5525 | (1½″) Ø48 mm 32 mm | 97,25 | 5,29 |
| 25.400.5526 | (2″) Ø60 mm 9 mm | 26,20 | 7,64 |
| 25.400.5527 | (2″) Ø60 mm 13 mm | 34,45 | 7,64 |
| 25.400.5528 | (2″) Ø60 mm 19 mm | 55,76 | 7,64 |
| 25.400.5529 | (2″) Ø60 mm 25 mm | 80,51 | 7,64 |
| 25.400.5530 | (2″) Ø60 mm 32 mm | 114,20 | 7,64 |
| 25.400.5531 | (2½″) Ø76 mm 9 mm | 31,83 | 8,61 |
| 25.400.5532 | (2½″) Ø76 mm 13 mm | 40,24 | 8,61 |
| 25.400.5533 | (2½″) Ø76 mm 19 mm | 63,28 | 8,61 |
| 25.400.5534 | (2½″) Ø76 mm 25 mm | 98,85 | 8,61 |
| 25.400.5535 | (2½″) Ø76 mm 32 mm | 139,24 | 8,61 |
| 25.400.5536 | (3″) Ø89 mm 9 mm | 38,75 | 10,56 |
| 25.400.5537 | (3″) Ø89 mm 13 mm | 45,96 | 10,56 |
| 25.400.5538 | (3″) Ø89 mm 19 mm | 77,94 | 10,56 |
| 25.400.5539 | (3″) Ø89 mm 25 mm | 109,40 | 10,56 |
| 25.400.5540 | (3″) Ø89 mm 32 mm | 162,68 | 10,56 |
| 25.400.5541 | (4″) Ø114 mm 9 mm | 55,68 | 13,90 |
| 25.400.5542 | (4″) Ø114 mm 13 mm | 66,84 | 13,90 |
| 25.400.5543 | (4″) Ø114 mm 19 mm | 101,56 | 13,90 |
| 25.400.5544 | (4″) Ø114 mm 25 mm | 149,69 | 13,90 |
| 25.400.5545 | (4″) Ø114 mm 32 mm | 202,96 | 13,90 |
| 25.400.5546 | (1/2'') 22 Ø mm 40 mm | 78,96 | 3,34 |
| 25.400.5547 | (3/4'') 28 Ø mm 40 mm | 83,38 | 4,31 |
| 25.400.5548 | (1'') 35 Ø mm 40 mm | 86,81 | 4,31 |
| 25.400.5549 | (1 ¼'') 42 Ø mm 40 mm | 96,39 | 5,29 |
| 25.400.5550 | (1 ½'') 48 Ø mm 40 mm | 104,98 | 5,29 |
| 25.400.5551 | (2'') 60 Ø mm 40 mm | 122,80 | 7,64 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.5552 | (2 ½'') 76 Ø mm 40 mm | 146,11 | 8,61 |
| 25.400.5553 | (3'') 89 Ø mm 40 mm | 173,85 | 10,56 |
| 25.400.5554 | (4'') 114 Ø mm 40 mm | 211,56 | 13,90 |
| **25.400.6000** | **Thermal insulation with aluminum composite film coated rubber foam based prefabricated pipes, with a total thickness of 250 microns and above (Unit: m)**<br><br>Supply, transportation to the work site, and installation, of the insulation materials laminated with Aluminum Composite Film with a total thickness of 250 microns on top of an elastomeric rubber foam prefabricated pipe insulation material, produced in compliance with the TS EN 14304 standard, bearing a CE compliance marking, with≤ 0.040W/(m.K) heat conductivity (0ºC), μ ≥ 7,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least B, s3-d0, clearing the corrosion, dust and impurities on the duct surface to be insulated and coating it with two layers of red lead paint, applying the adhesive developed specifically for rubber foam on both sides after selecting and applying the insulation material conforming to the pipe's outer diameters, and wrapping the transverse joints with aluminum foil, self-adhesive, elastomeric rubber tape.<br><br>Note: (4″) For pipes with diameters larger than Ø114 mm, elastomeric rubber foam sheet at the desired insulation thickness shall be used and it shall be paid on item 25.480.1600.<br><br>Pipe Outer Diameter Insulation Wall Thickness | | |
| 25.400.6001 | (1/2″) Ø22 mm 9 mm | 21,18 | 5,29 |
| 25.400.6002 | (1/2″) Ø22 mm 13 mm | 27,53 | 5,29 |
| 25.400.6003 | (1/2″) Ø22 mm 19 mm | 44,61 | 5,29 |
| 25.400.6004 | (1/2″) Ø22 mm 25 mm | 64,88 | 5,29 |
| 25.400.6005 | (1/2″) Ø22 mm 32 mm | 89,99 | 5,29 |
| 25.400.6006 | (3/4″) Ø28 mm 9 mm | 23,74 | 5,29 |
| 25.400.6007 | (3/4″) Ø28 mm 13 mm | 31,78 | 6,66 |
| 25.400.6008 | (3/4″) Ø28 mm 19 mm | 51,13 | 6,66 |
| 25.400.6009 | (3/4″) Ø28 mm 25 mm | 73,96 | 6,66 |
| 25.400.6010 | (3/4″) Ø28 mm 32 mm | 98,93 | 6,66 |
| 25.400.6011 | (1″)Ø35 mm 9 mm | 27,54 | 6,66 |
| 25.400.6012 | (1″)Ø35 mm 13 mm | 35,31 | 7,64 |
| 25.400.6013 | (1″)Ø35 mm 19 mm | 57,85 | 7,64 |
| 25.400.6014 | (1″)Ø35 mm 25 mm | 85,53 | 7,64 |
| 25.400.6015 | (1″)Ø35 mm 32 mm | 107,46 | 7,64 |
| 25.400.6016 | (1¼″) Ø42 mm 9 mm | 31,24 | 7,64 |
| 25.400.6017 | (1¼″) Ø42 mm 13 mm | 41,89 | 8,61 |
| 25.400.6018 | (1¼″) Ø42 mm 19 mm | 69,41 | 8,61 |
| 25.400.6019 | (1¼″) Ø42 mm 25 mm | 95,59 | 8,61 |
| 25.400.6020 | (1¼″) Ø42 mm 32 mm | 120,54 | 8,61 |
| 25.400.6021 | (1½″) Ø48 mm 9 mm | 36,29 | 8,61 |
| 25.400.6022 | (1½″) Ø48 mm 13 mm | 45,13 | 9,59 |
| 25.400.6023 | (1½″) Ø48 mm 19 mm | 76,14 | 9,59 |
| 25.400.6024 | (1½″) Ø48 mm 25 mm | 102,61 | 9,59 |
| 25.400.6025 | (1½″) Ø48 mm 32 mm | 131,35 | 9,59 |
| 25.400.6026 | (2″) Ø60 mm 9 mm | 45,13 | 9,59 |
| 25.400.6027 | (2″) Ø60 mm 13 mm | 61,86 | 11,95 |
| 25.400.6028 | (2″) Ø60 mm 19 mm | 90,60 | 11,95 |
| 25.400.6029 | (2″) Ø60 mm 25 mm | 125,39 | 11,95 |
| 25.400.6030 | (2″) Ø60 mm 32 mm | 162,45 | 11,95 |
| 25.400.6031 | (2½″) Ø76 mm 9 mm | 54,45 | 11,95 |
| 25.400.6032 | (2½″) Ø76 mm 13 mm | 69,58 | 15,28 |
| 25.400.6033 | (2½″) Ø76 mm 19 mm | 108,30 | 15,28 |

25.300.-Joint Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.6034 | (2½″) Ø76 mm 25 mm | 160,48 | 15,28 |
| 25.400.6035 | (2½″) Ø76 mm 32 mm | 174,09 | 15,28 |
| 25.400.6036 | (3″) Ø89 mm 9 mm | 68,21 | 15,28 |
| 25.400.6037 | (3″) Ø89 mm 13 mm | 83,54 | 18,20 |
| 25.400.6038 | (3″) Ø89 mm 19 mm | 123,31 | 18,20 |
| 25.400.6039 | (3″) Ø89 mm 25 mm | 172,48 | 18,20 |
| 25.400.6040 | (3″) Ø89 mm 32 mm | 214,83 | 18,20 |
| 25.400.6041 | (4″) Ø114 mm 9 mm | 97,60 | 18,20 |
| 25.400.6042 | (4″) Ø114 mm 13 mm | 115,54 | 22,51 |
| 25.400.6043 | (4″) Ø114 mm 19 mm | 157,89 | 22,51 |
| 25.400.6044 | (4″) Ø114 mm 25 mm | 226,70 | 22,51 |
| 25.400.6045 | (4″) Ø114 mm 32 mm | 279,64 | 22,51 |
| 25.400.6046 | (1/2'') 22 Ø mm 40 mm | 96,04 | 5,29 |
| 25.400.6047 | (3/4'') 28 Ø mm 40 mm | 108,00 | 6,66 |
| 25.400.6048 | (1'') 35 Ø mm 40 mm | 118,05 | 7,64 |
| 25.400.6049 | (1 ¼'') 42 Ø mm 40 mm | 129,61 | 8,61 |
| 25.400.6050 | (1 ½'') 48 Ø mm 40 mm | 142,69 | 9,59 |
| 25.400.6051 | (2'') 60 Ø mm 40 mm | 170,76 | 11,95 |
| 25.400.6052 | (2 ½'') 76 Ø mm 40 mm | 189,21 | 15,28 |
| 25.400.6053 | (3'') 89 Ø mm 40 mm | 229,95 | 18,20 |
| 25.400.6054 | (4'') 114 Ø mm 40 mm | 287,20 | 22,51 |
| **25.400.7000** | **Prefabricated valve insulation jacket made of fireproof and waterproof fabric; (Unit: Qty.; Materials on construction site. 60%)**<br>The insulation of the piston valves, sit traps, check valves, butterfly valves, ball valves, gate valves, other threaded and flanged fixtures with the insulation jacket resistant to temperatures between -30°C and +230°C, the fire reaction class is at least "normal flammable", made of water proof, silicon coated fiberglass fabric, using the same fabric at the inner and outer surfaces, water vapor diffusion resistance coefficient μ≥7,000, heat efficiency (40°C)λ ≤ 0.040 W/mK, temperature range from -45°C to +105°C, the fire reaction class is at least "normal flammable" in accordance with TS EN 13501-1, with 40-75 kg/m³ density in average, 25 mm thick rubber foam board, using at least 40 mm thick, 80 kg/m³ density rock wool mattress, pinned white glass wool or glass wool for the insulation of the hot lines, stitched with non-combustible threads, wrapping also the valve flanges, installed with non-flammable ropes and adhesive strips at the throat and on the two sides, at temperatures exceeding 100ºC installed with stainless buckles and wires, resistant to light acids and UV beams, including all kinds of materials and labor.<br>Note: The fire resistance of μ and λ values for the insulating materials given above and the waterproofing certificate for the silicone coated fabric shall be proved by the test reports (in accordance with TS 257 EN 20811). Additionally, technical data sheets for the insulation materials, fabric and fabric coated silicone shall be submitted. The type of the fixture that it belongs to, size, name of the manufacturer, total weight (kg), properties of the insulation material, weight of the fiberglass fabric (g/m²), weight of the silicon coating (g/m²) shall be written on the valve name plate.<br>Note:<br>1- The unit prices including the installation for the gate and metal bellows valves with balance piston, steam traps shall be increased by 20 percent.<br>2- The unit prices including the installation for the two-way automatic control valves and the balance valves shall be increased by 60 percent.<br>The unit prices including the installation for the three-way automatic control valves shall be increased by 80 percent.<br>4- The unit prices including the installation for strainers shall be increased by 50 percent<br>5- The unit prices including the installation for all gear armature groups (valve, strainer, check valve ..) shall be reduced by 30 percent.<br>NOMINAL DIAMETER | | |
| 25.400.7001 | NW 15 | 182,38 | 32,50 |
| 25.400.7002 | NW 20 | 210,05 | 35,43 |
| 25.400.7003 | NW 25 | 229,31 | 36,81 |
| 25.400.7004 | NW 32 | 250,91 | 37,79 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.400.7005 | NW 40 | 292,16 | 37,79 |
| 25.400.7006 | NW 50 | 331,81 | 43,06 |
| 25.400.7007 | NW 65 | 356,35 | 48,35 |
| 25.400.7008 | NW 80 | 391,70 | 50,70 |
| 25.400.7009 | NW 100 | 428,83 | 50,70 |
| 25.400.7010 | NW 125 | 454,95 | 50,70 |
| 25.400.7011 | NW 150 | 583,41 | 54,04 |
| 25.400.7012 | NW 200 | 693,19 | 59,31 |
| 25.400.7013 | NW 250 | 735,60 | 64,60 |
| **25.400.9000** | **Sheet Coating on Pipe Isolation: (Unit: m)**<br>Following the installation of the pipe insulations on the heating / cooling systems in the form of smooth circular rolls, windings 3 cm snap-on (cord), at least two per piece, with 3 mm cylinder head screws, screwed at intervals of 20 cm, corner brackets (corded), (at least ⌀ 80 up to 4 parts, ⌀ 150 up to 6 pieces, ⌀ 300 up to 8 pieces) and reductions are manufactured and assembled in conical shape at the work site.<br>NOTE:<br>1- Prices do not include insulation materials, but only cover the sheet metal.<br>2- The total length (m) including such parts as fittings, reduction and T shall be taken as basis for dimensioning for the purpose of pricing . | | |
| **25.400.9100** | **Aluminum Sheet (0.6 mm) Coating on the Pipe Insulation Material** | | |
| 25.400.9101 | Coating diameter up to 50 mm | 45,34 | 22,50 |
| 25.400.9102 | Including 50 mm, coating diameter up to 100 mm | 68,90 | 22,50 |
| 25.400.9103 | Including 100 mm, coating diameter up to 150 mm | 91,01 | 22,50 |
| 25.400.9104 | Including 150 mm, coating diameter up to 200 mm | 113,85 | 22,50 |
| 25.400.9105 | Including 200 mm, coating diameter up to 250 mm | 141,31 | 25,31 |
| 25.400.9106 | Including 250 mm, coating diameter up to 300 mm | 166,69 | 25,31 |
| 25.400.9107 | Including 300 mm, coating diameter up to 350 mm | 187,71 | 25,31 |
| 25.400.9108 | Including 350 mm, coating diameter up to 400 mm | 210,91 | 25,31 |
| 25.400.9109 | Including 400 mm, coating diameter up to 500 mm | 257,31 | 25,31 |
| **25.400.9200** | **Galvanized Sheet (0.5 mm) Coating on the Pipe Insulation Material** | | |
| 25.400.9201 | Coating diameter up to 50 mm | 38,34 | 22,50 |
| 25.400.9202 | Including 50 mm, coating diameter up to 100 mm | 53,73 | 22,50 |
| 25.400.9203 | Including 100 mm, coating diameter up to 150 mm | 69,34 | 22,50 |
| 25.400.9204 | Including 150 mm, coating diameter up to 200 mm | 84,95 | 22,50 |
| 25.400.9205 | Including 200 mm, coating diameter up to 250 mm | 103,38 | 25,31 |
| 25.400.9206 | Including 250 mm, coating diameter up to 300 mm | 118,98 | 25,31 |
| 25.400.9207 | Including 300 mm, coating diameter up to 350 mm | 134,59 | 25,31 |
| 25.400.9208 | Including 350 mm, coating diameter up to 400 mm | 150,20 | 25,31 |
| 25.400.9209 | Including 400 mm, coating diameter up to 500 mm | 181,43 | 25,31 |
| **25.410.1000** | **AIR COMPRESSOR: (Unit: Qty.)**<br>The supply to the work site, on-site installation and delivery in working order of the air compressor, in accordance with the features in the approved design, with air-cooled motor, power, speed, the compressor with all the accessories shall be selected, TSE certified, with suction filter, the motor and the compressor coupled with an elastic coupling or by belt and pulley, inter-cooler for two-stage types, oil and water separator, the motor with thermal and magnetic circuit breaker, automatic pressure switch, with all the electrical connections (the free air delivered in 1 minute at 1000 RPM shall be the basis for the price, air receiver is not within the scope). | | |
| **25.410.1100** | **8 Atmosphere pressure compressor;** | | |
| 25.410.1101 | 1 m³/h free air | 3.258,94 | 166,56 |
| 25.410.1102 | 3 m³/h free air | 4.861,63 | 176,31 |
| 25.410.1103 | 5 m³/h free air | 6.466,38 | 186,06 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.410.1104 | 10 m³/h free air | 9.135,50 | 223,44 |
| 25.410.1105 | 15 m³/h free air | 12.763,69 | 242,94 |
| 25.410.1106 | 20 m³/h free air | 16.154,63 | 284,38 |
| **25.410.1200** | **Air compressor with 15 atmosphere pressure; the unit price in item BFT 25.410.1100 including the installation shall be increased by 50%, the installation cost shall remain unchanged.** | | |
| **25.410.2000** | **SCREW TYPE AIR COMPRESSOR (Unit: Qty.)**<br>The supply, on-site installation and delivery in working order of the screw type air compressor, to be selected in accordance with the features in the approved design, air cooled motor, power, speed, with all the accessories on the compressor and with other required information, driven by an electric motor to increase the air pressure by rotation, asymmetric profiled screw group, air suction filter, oil selected at appropriate grade and an air cooler, oil and air separator, oil filter, appropriately selected oil tank, normal and high pressure switch, electrical panel for running star/delta, cabinet with sound insulation with maximum noise level of 75 dB. (The air tank is not included in the price) | | |
| **25.410.2100** | **8 Atmosphere pressure compressor;** | | |
| 25.410.2101 | 1.12 m³/min. free air | 55.820,00 | 235,63 |
| 25.410.2102 | 1.83 m³/min. free air | 61.169,38 | 284,38 |
| 25.410.2103 | 2.52 m³/min. free air | 74.129,38 | 333,13 |
| 25.410.2104 | 3.09 m³/min. free air | 88.821,88 | 381,88 |
| 25.410.2105 | 3.60 m³/min. free air | 91.046,00 | 605,38 |
| 25.410.2106 | 5.20 m³/min. free air | 115.980,50 | 624,88 |
| 25.410.2107 | 6.20 m³/min. free air | 124.155,50 | 673,63 |
| 25.410.2108 | 7.25 m³/min. free air | 151.554,13 | 702,88 |
| **25.410.2200** | **Threaded air compressor with 15 atmosphere pressure; the unit price in item 25.410.2000 including the installation shall be increased by 50%, the installation cost shall remain unchanged.** | | |
| **25.410.5000** | **Air Compressor air receiver, up to 10 atmosphere pressure;**<br>The supply of the spray painted air receiver together with a pressure gauge of 10 atmosphere operating pressure, safety valve, pressurestat and water drain tap, installation in conformance with the position of the compressor | | |
| 25.410.5001 | 50 L | 2.481,13 | 138,13 |
| 25.410.5002 | 100 L | 3.677,63 | 157,63 |
| 25.410.5003 | 150 L | 4.751,88 | 186,88 |
| 25.410.5004 | 200 L | 5.865,94 | 255,94 |
| 25.410.5005 | 300 L | 7.177,94 | 275,44 |
| 25.410.5006 | 500 L | 9.773,09 | 368,09 |
| 25.410.5007 | 1000 L | 15.662,40 | 427,40 |
| **25.410.5100** | **Air receiver for the air compressor, resistant to 20 atmosphere pressure, other features are the same as in item BFT 25.410.5000; the unit prices in item BFT 25.410.5000 including the installation shall be increased by 20%, the installation costs shall remain unchanged.** | | |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# VENTILATION AND AIR CONDITIONING INSALLATIONS

# UNIT PRICES AND DEFINITIONS

2022/3

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.450.1000** | **RADIAL VENTILATION OR SUCTION FANS: (SINGLE OR DOUBLE INLET): (Unit: Qty., Materials on construction site: 60%). (Quality certified by TSE).**<br>Supply to the work site, installation on a chassis or concrete base with sufficient anti-vibration insulation, connection to ducts with flexible joints, of ventilation fans with roller or sliding bearings balanced statically or dynamically; rotors; and a belt tensioning mechanism driven by a V-belt that is seamless or directly coupled with an electric motor operating with three-phase current unless specified otherwise in the project design; production of sheet metal parts with DKP sheets and interior and exterior coating of such parts with anti-rust paint and coating of the visible parts with two layers of heat-resistant, gun-sprayed paint in desired colors (The concrete base, and the cells if cells are used for electrical wiring, shall be charged per the relevant items.) (Other prices shall be interpolated). (Items such as anti-vibration wedges, etc. used for production of devices shall be included in the unit prices, and no additional fees shall be charged.) | | |
| **25.450.1100** | **Max. 225 pascal (25 mmWC) total pressure.** | | |
| 25.450.1101 | Max. 1000 m³/h | 10.595,94 | 255,94 |
| 25.450.1102 | 2,000 m³/h | 11.640,94 | 255,94 |
| 25.450.1103 | 3,000 m³/h | 13.648,44 | 255,94 |
| 25.450.1104 | 4,000 m³/h | 14.762,50 | 325,00 |
| 25.450.1105 | 5,000 m³/h | 15.037,50 | 325,00 |
| 25.450.1106 | 6,000 m³/h | 17.162,81 | 442,81 |
| 25.450.1107 | 8,000 m³/h | 19.350,00 | 650,00 |
| 25.450.1108 | 10,000 m³/h | 22.025,31 | 767,81 |
| 25.450.1109 | 12,000 m³/h | 25.215,31 | 767,81 |
| 25.450.1110 | 16,000 m³/h | 29.024,38 | 836,88 |
| 25.450.1111 | 20,000 m³/h | 32.173,44 | 905,94 |
| 25.450.1112 | 25,000 m³/h | 41.531,25 | 1.023,75 |
| 25.450.1113 | 30,000 m³/h | 47.086,25 | 1.023,75 |
| 25.450.1114 | 40,000 m³/h | 55.619,69 | 1.279,69 |
| 25.450.1115 | 50,000 m³/h | 59.615,63 | 1.535,63 |
| 25.450.1116 | 60,000 m³/h | 69.598,75 | 1.673,75 |
| 25.450.1117 | 80,000 m³/h | 72.920,63 | 1.860,63 |
| 25.450.1118 | 100,000 m³/h | 98.187,50 | 2.047,50 |
| **25.450.1200** | **Max. 450 pascal (50 mmWC) total pressure, and other specifications shall be the same as the item 25.452.1100. Unit price including installation in the item 25.452.1100 shall be raised by 10%, and the installation fee shall remain unchanged.** | | |
| **25.450.1300** | **Max. 675 pascal (75 mmWC) total pressure, and other specifications shall be the same as the item 25.450.1100. Unit price including installation in the item 25.450.1100 shall be raised by 20%, and the installation fee shall remain unchanged.** | | |
| **25.450.1400** | **Max. 900 pascal (100 mmWC) total pressure, and other specifications shall be the same as the item 25.450.1100. Unit price including installation in the item 25.450.1100 shall be raised by 30%, and the installation fee shall remain unchanged.** | | |
| **25.450.1500** | **Max. 1350 pascal (150 mmWC) total pressure, and other specifications shall be the same as the item 25.450.1100. Unit price including installation in the item 25.450.1100 shall be raised by 35%, and the installation fee shall remain unchanged.** | | |
| **25.450.2000** | **ROOF-TOP ASPIRATOR: (Unit: Qty., Materials on construction site: 60%) (quality certified by TSE).**<br>Supply to the work site, installation, and delivery in working order, including electric motor, of roof-top ventilation fans described in the item 25.450.1000 with a metallic base for installation on the roof-top, and equipped with an aesthetic bonnet to protect the motor from external effects. (Electrical wiring shall be paid per the relevant unit prices) (Unit prices of other values shall be interpolated). | | |
| **25.450.2100** | **Roof-top radial suction fans with max. 225 pascal (25 mmWC) pressure:** | | |
| 25.450.2101 | Max. 1,000 m³/h | 5.018,94 | 621,69 |
| 25.450.2102 | 2,000 m³/h | 8.563,88 | 645,25 |
| 25.450.2103 | 3,000 m³/h | 10.553,69 | 668,81 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.450.2104 | 4,000 m³/h | 13.519,73 | 814,73 |
| 25.450.2105 | 5000 m³/h | 16.589,88 | 873,63 |
| 25.450.2106 | 6,000 m³/h | 20.651,63 | 873,63 |
| 25.450.2107 | 8,000 m³/h | 22.817,53 | 1.008,65 |
| 25.450.2108 | 10,000 m³/h | 26.065,05 | 1.067,55 |
| 25.450.2109 | 12,000 m³/h | 32.215,21 | 1.126,46 |
| 25.450.2110 | 16,000 m³/h | 36.550,36 | 1.185,36 |
| 25.450.2111 | 20,000 m³/h | 44.324,61 | 1.185,36 |
| 25.450.2112 | 25,000 m³/h | 53.576,78 | 1.244,28 |
| 25.450.2113 | 30,000 m³/h | 65.926,59 | 1.601,34 |
| **25.450.3000** | **AXIAL VENTILATION FANS: (SUCTION FANS) (Unit: Qty., Materials on construction site: 60%) (quality certified by TSE).**<br>Supply to the work site with the electric motor, installation with the necessary vibration insulator, connection to ducts with flexible joints and canvas, and delivery in working order, of axial ventilation (suction) fans with steel or aluminum blades, coupled with a mono-phase or three-phase electric motor with required power up to 225 pascals (25 mmWC) directly or with belt and pulley. (Electrical wiring to be paid per the relevant unit prices). (Other values shall be interpolated) (Items such as anti-vibration wedges, etc. used for production of devices shall be included in the unit prices, and no additional fees shall be charged.) | | |
| **25.450.3100** | **Axial ventilation fan, up to 1500 rpm:** | | |
| 25.450.3101 | Max. 5,000 m³/h | 9.338,69 | 511,88 |
| 25.450.3102 | 8,000 m³/h | 10.237,29 | 580,94 |
| 25.450.3103 | 10,000 m³/h | 11.824,86 | 580,94 |
| 25.450.3104 | 12,000 m³/h | 13.376,31 | 650,00 |
| 25.450.3105 | 14,000 m³/h | 14.801,64 | 650,00 |
| 25.450.3106 | 16,000 m³/h | 16.761,50 | 698,75 |
| 25.450.3107 | 20,000 m³/h | 18.607,85 | 698,75 |
| **25.450.3200** | **Axial ventilation fan, up to 900 rpm:** | | |
| 25.450.3201 | Max. 10,000 m³/h | 14.259,75 | 650,00 |
| 25.450.3202 | 12,000 m³/h | 15.588,35 | 698,75 |
| 25.450.3203 | 14,000 m³/h | 16.414,45 | 698,75 |
| 25.450.3204 | 16,000 m³/h | 17.180,91 | 767,81 |
| 25.450.3205 | 20,000 m³/h | 18.965,19 | 905,94 |
| 25.450.3206 | 24,000 m³/h | 20.647,75 | 1.023,75 |
| 25.450.3207 | 30,000 m³/h | 22.391,25 | 1.023,75 |
| 25.450.3208 | 40,000 m³/h | 23.469,88 | 1.161,88 |
| 25.450.3209 | 50,000 m³/h | 24.980,56 | 1.279,69 |
| **25.450.4100** | **Window-mounted domestic fans (Unit: Qty.)**<br>Supply to the work site and installation of window-type, single-direction, plastic ventilation fans with automatic shutters actuated by air movements, engines with insulation class B and protected against overheat with a thermal breaker, and a maximum noise level of 35 to 45 dB, designed to exhaust the air directly to outside, which shall be 230 V and 50 Hz single-phase, in IPX4 class, and designed to comply with TS EN 60335-2-80 and the 2014/35/EU Low Voltage Directive. | | |
| 25.450.4101 | 400 m³/h | 869,09 | 84,38 |
| 25.450.4102 | 600 m³/h | 1.097,89 | 84,38 |
| 25.450.4103 | 900 m³/h | 1.280,21 | 84,38 |
| **25.450.5100** | **Duct-type suction fans (Unit: Qty.)**<br>It shall allow installation between two ducts, and have a galvanized steel sheet or electrostatic powder-coated body, factory-made electrical connections, and be equipped with a motor and terminal box in IP 44 protection class. The blades shall be inclined back or forward, and the | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | roller bearings shall be maintenance-free. The fan housing shall be installed on anti-vibration wedges, and a protective cage wire shall be installed on the fan output. Supply, installation, and delivery in working order, including labor, of duct-type axial suction fans with adjustable speed, equipped with standard thermal protection on fan motors. (100-pa air flow rate shall be taken as basis for device capacities.) | | |
| 25.450.5101 | 100 m³/h | 1.575,76 | 186,88 |
| 25.450.5102 | 200 m³/h | 1.711,61 | 186,88 |
| 25.450.5103 | 300 m³/h | 1.761,66 | 186,88 |
| 25.450.5104 | 400 m³/h | 1.972,59 | 186,88 |
| 25.450.5105 | 500 m³/h | 2.257,94 | 255,94 |
| 25.450.5106 | 750 m³/h | 2.347,31 | 255,94 |
| 25.450.5107 | 1000 m³/h | 2.704,81 | 255,94 |
| 25.450.5108 | 1250 m³/h | 3.562,81 | 255,94 |
| 25.450.5109 | 1500 m³/h | 3.900,00 | 325,00 |
| 25.450.5110 | 1750 m³/h | 5.866,25 | 325,00 |
| 25.450.5111 | 2000 m³/h | 7.181,69 | 442,81 |
| 25.450.5112 | 2500 m³/h | 8.272,06 | 442,81 |
| **25.450.7100** | **Axial Jet Fans (Unit: Qty.)**<br>The device shall be in compliance with the Regulation 305/2011/EU on Construction Materials, released with the CE marking, and resistance class F300 as per TS EN 12101-3, with max. 3-kW power and blades balanced as per ISO 1940-1. The fan motor shall be fully enclosed, capable of operating at two different speeds as well as continuously and in emergency, have 2/4 poles, and comply with min. IP 55 protection class, H insulation class, cooled by the air flowing above. Electrical terminal boxes and cable bushings on the device shall be fire-resistant. The blade shall be axial. The fan shall be injection-molded made of aluminum alloy. Two sides of the fan housing shall be equipped with rock wool-insulated silencers for sound absorption. Both ends of the jet fans shall be equipped with directing blades and cage wires. The capacities are the values at the second speed. The description does not include automation, termination panel and wiring. | | |
| 25.450.7101 | Thrust force: 22 N, Inner diameter: min. 275 mm, flow rate: min. 3,500 m³/h | 21.852,19 | 580,94 |
| 25.450.7102 | Thrust force: 32 N, Inner diameter: min. 315 mm, flow rate: min. 4,500 m³/h | 23.898,06 | 767,81 |
| 25.450.7103 | Thrust force: 50 N, Inner diameter: min. 355 mm, flow rate: min. 5,000 m³/h | 25.287,44 | 905,94 |
| 25.450.7104 | Thrust force: 58 N, Inner diameter: min. 400 mm, flow rate: min. 9,000 m³/h | 26.694,69 | 954,69 |
| 25.450.7105 | Thrust force: 80 N, Inner diameter: min. 400 mm, flow rate: min. 10,000 m³/h | 31.232,50 | 1.023,75 |
| **25.450.7200** | **Radial Jet Fans (Unit: Qty.)**<br>The device shall be in compliance with the Regulation 305/2011/EU on Construction Materials, released with the CE marking, and resistance class F300 as per TS EN 12101-3, with max. 3-kW power and blades balanced as per ISO 1940-1. The fan motor shall be fully enclosed, capable of operating at two different speeds as well as continuously and in emergency, have 4/8 poles, and comply with min. IP 55 protection class, min. H insulation class, cooled by the air flowing above. The suction side of the fans shall be equipped with a protection wire, and guides to ensure homogeneous distribution of air at the blowing outlet. Electrical terminal boxes and cable bushings on the device shall be fire-resistant. Radial blades shall have a centrifugal structure with the blades inclined backwards, robot welded, made of black sheet metal, and coated with electrostatic oven-dried paint. The capacities are the minimum values at the second speed. The description does not include automation, termination panel and wiring. | | |
| 25.450.7201 | Thrust force: 50 N, Flow rate : min. 6,000 m³/h | 25.704,13 | 767,81 |
| 25.450.7202 | Thrust force: 75 N, Flow rate : min. 8,000 m³/h | 32.161,44 | 836,88 |
| 25.450.7203 | Thrust force: 100 N, Flow rate : min. 8,900 m³/h | 35.821,25 | 954,69 |
| **25.452.1000** | **Smoke Vent Fan: (Unit: Qty., Materials on construction site: 60%)**<br>The supply to the work site and installation on a chassis or concrete base with sufficient anti-vibration insulation of the axial vent fan manufactured in compliance with the Directive (305/2011/EC) on Construction Products, released with CE compliance marking, roof type, single stage, approximately 10 kW power, with silencer, control panel, statically and dynamically balanced, with the rotor on roll bearings or sliding bearings, driven by a three phase electric motor coupled directly or by way of a | | |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | belt-pulley system with jointless pulley, connection to the ducts with flexible fixtures, manufacture of sheet metal parts with DKP sheets; interior and exterior coating of such parts with anti-rust paint and coating of the visible parts with two layers of heat-resistant, gun-sprayed paint in desired colors (The electrical installation and the motor, if made with cells, the price of the cell and the price of the concrete base shall be paid as per the relevant unit prices.) (Intermediate prices shall be calculated by interpolation). (Vibration-proof wedges and similar productions are included in unit prices.) | | |
| **25.452.1100** | **According to TS EN 12101, fire resistance class F200 (200°C, 120 min), total pressure up to 225 Pascal (25 mmWC).** | | |
| 25.452.1101 | 10,000 m³/h | 28.114,29 | 1.791,56 |
| 25.452.1102 | 12,000 m³/h | 30.613,95 | 2.047,50 |
| 25.452.1103 | 16,000 m³/h | 34.262,84 | 2.303,44 |
| 25.452.1104 | 20,000 m³/h | 37.897,39 | 2.490,31 |
| 25.452.1105 | 25,000 m³/h | 43.083,24 | 2.559,38 |
| 25.452.1106 | 30,000 m³/h | 51.110,13 | 2.815,31 |
| 25.452.1107 | 35,000 m³/h | 52.077,49 | 3.071,25 |
| 25.452.1108 | 40,000 m³/h | 55.917,91 | 3.327,19 |
| 25.452.1109 | 45,000 m³/h | 68.633,46 | 3.839,06 |
| 25.452.1110 | 50,000 m³/h | 73.951,46 | 4.095,00 |
| 25.452.1111 | 55,000 m³/h | 84.331,53 | 4.350,94 |
| 25.452.1112 | 60,000 m³/h | 98.077,18 | 4.606,88 |
| 25.452.1113 | 65,000 m³/h | 101.917,60 | 4.862,81 |
| 25.452.1114 | 70,000 m³/h | 109.397,24 | 5.118,75 |
| 25.452.1115 | 75,000 m³/h | 110.692,95 | 5.374,69 |
| 25.452.1116 | 80,000 m³/h | 129.199,68 | 5.630,63 |
| 25.452.1117 | 90,000 m³/h | 139.032,49 | 5.886,56 |
| 25.452.1118 | 100,000 m³/h | 152.422,43 | 6.142,50 |
| **25.452.1200** | **Max. 450 pascal (50 mmWC) total pressure, and other specifications shall be the same as the item 25.452.1100. Unit price including installation in the item 25.452.1100 shall be raised by 10%, and the installation fee shall remain unchanged.** | | |
| **25.452.1300** | **Max. 675 pascal (75 mmWC) total pressure, and other specifications shall be the same as the item 25.452.1100. Unit price including installation in the item 25.452.1100 shall be raised by 20%, and the installation fee shall remain unchanged.** | | |
| **25.452.1400** | **According to TS EN 12101, fire resistance class F300 (300°C, 60 min), total pressure up to 225 Pascal (25 mmWC).** | | |
| 25.452.1401 | 10,000 m³/h | 29.156,31 | 2.047,50 |
| 25.452.1402 | 12,000 m³/h | 32.000,96 | 2.303,44 |
| 25.452.1403 | 16,000 m³/h | 36.300,91 | 2.559,38 |
| 25.452.1404 | 20,000 m³/h | 41.409,78 | 2.815,31 |
| 25.452.1405 | 25,000 m³/h | 46.191,94 | 3.071,25 |
| 25.452.1406 | 30,000 m³/h | 54.541,63 | 3.071,25 |
| 25.452.1407 | 35,000 m³/h | 63.953,14 | 3.327,19 |
| 25.452.1408 | 40,000 m³/h | 64.579,09 | 3.583,13 |
| 25.452.1409 | 45,000 m³/h | 86.254,91 | 3.839,06 |
| 25.452.1410 | 50,000 m³/h | 88.337,13 | 4.095,00 |
| 25.452.1411 | 55,000 m³/h | 103.101,38 | 4.350,94 |
| 25.452.1412 | 60,000 m³/h | 108.501,19 | 4.606,88 |
| 25.452.1413 | 65,000 m³/h | 117.863,66 | 5.118,75 |
| 25.452.1414 | 70,000 m³/h | 122.270,40 | 5.118,75 |
| 25.452.1415 | 75,000 m³/h | 126.839,35 | 5.630,63 |
| 25.452.1416 | 80,000 m³/h | 137.498,63 | 5.630,63 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.452.1417 | 90,000 m³/h | 145.618,24 | 6.142,50 |
| 25.452.1418 | 100,000 m³/h | 157.358,95 | 6.142,50 |
| **25.452.1500** | **Max. 450 pascal (50 mmWC) total pressure, and other specifications shall be the same as the item 25.452.1400. Unit price including installation in the item 25.452.1400 shall be raised by 10%, and the installation fee shall remain unchanged.** | | |
| **25.452.1600** | **Max. 675 pascal (75 mmWC) total pressure, and other specifications shall be the same as the item 25.452.1400. Unit price including installation in the item 25.452.1400 shall be raised by 20%, and the installation fee shall remain unchanged.** | | |
| **25.452.2000** | **Pressurization Fan: (Unit: Qty., Material on construction site 60%)**<br>The supply to the work site and installation on a chassis or concrete base with sufficient anti-vibration insulation of the axi pressuring fan, duct type, single stage, approximately 10 kW power, with silencer, control panel, statically and dynamically balanced, with the rotor on roll bearings or sliding bearings, driven by a three phase electric motor coupled directly or by way of a belt-pulley system with jointless pulley, connection to the ducts with flexible fixtures, manufacture of sheet metal parts with DKP sheets; interior and exterior coating of such parts with anti-rust paint and coating of the visible parts with two layers of paint in desired colors (The electrical installation and the motor, if made with cells, the price of the cell and the price of the concrete base shall be paid as per the relevant unit prices, intermediate prices shall be calculated by interpolation; anti-vibration wedges and similar materials are included in the unit prices). | | |
| **25.452.2100** | **Ladder Pressurization Fan total pressure up to 500 pascal.** | | |
| 25.452.2101 | 2,500 m³/h | 17.323,44 | 905,94 |
| 25.452.2102 | 5,000 m³/h | 20.026,25 | 1.023,75 |
| 25.452.2103 | 7500 m³/h | 22.358,13 | 1.210,63 |
| 25.452.2104 | 10,000 m³/h | 23.719,69 | 1.279,69 |
| 25.452.2105 | 12,500 m³/h | 25.342,19 | 1.279,69 |
| 25.452.2106 | 15,000 m³/h | 28.284,69 | 1.279,69 |
| 25.452.2107 | 20,000 m³/h | 29.508,75 | 1.348,75 |
| 25.452.2108 | 25,000 m³/h | 37.665,00 | 1.722,50 |
| 25.452.2109 | 30,000 m³/h | 41.130,00 | 1.722,50 |
| 25.452.2110 | 35,000 m³/h | 46.790,00 | 2.047,50 |
| **25.452.2200** | **Max. 750 pascal total pressure, and other specifications shall be the same as the item 25.452.2100. Unit price including installation in the item 25.452.2100 shall be raised by 10%, and the installation fee shall remain unchanged.** | | |
| **25.452.2300** | **Max. 1100 pascal total pressure, and other specifications shall be the same as the item 25.452.2100. Unit price including installation in the item 25.452.2100 shall be raised by 20%, and the installation fee shall remain unchanged.** | | |
| **25.452.2400** | **Lift Pressurization Fan total pressure up to 500 pascal.** | | |
| 25.452.2401 | 2,500 m³/h | 19.517,19 | 954,69 |
| 25.452.2402 | 5,000 m³/h | 23.119,69 | 954,69 |
| 25.452.2403 | 7500 m³/h | 25.636,25 | 1.023,75 |
| 25.452.2404 | 10,000 m³/h | 27.753,75 | 1.023,75 |
| 25.452.2405 | 12,500 m³/h | 29.247,19 | 1.279,69 |
| 25.452.2406 | 15,000 m³/h | 32.354,69 | 1.279,69 |
| **25.452.2500** | **Max. 75 pascal total pressure, and other specifications shall be the same as the item 25.452.2400. Unit price including installation in the item 25.452.2400 shall be raised by 10%, and the installation fee shall remain unchanged.** | | |
| **25.452.2600** | **Max. 1000 pascal total pressure, and other specifications shall be the same as the item 25.452.2400. Unit price including installation in the item 25.452.2400 shall be raised by 20%, and the installation fee shall remain unchanged.** | | |
| 25.452.3000 | **Excess Pressure Relief Damper: (Unit: Qty., Materials at construction site 60%)**<br>Damper with proportional spring or counter weight, grille and mounting elements with dimensions of 300 mm x 600 mm. | 1.500,00 | 255,00 |
| **25.455.1000** | **DRY AIR FILTERS: (Unit: Qty.: Materials on construction site: 60%).** | | |
| **25.455.1100** | **Dry air filter with components that should not be cleaned (synthetic type):**<br>Installation and delivery in working order of air filters with the capacities specified below, capable of clearing 80 percent of the airborne dust particles with 75 percent larger than 10 microns and 25 percent sized between 01 and 10 microns; which shall have a resistance of 40 pascal (4.5 mmWC) at 1.5 m/s and collect 1,200 g of dust per square meter (resistance lower than 72 pascal) (8 mmWC at 1.5 m/s with 1,200 g/m² dust) when clean (less than 200 grams of dust per m²), and which shall allow replacement of its dust | | |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | collecting element after collecting the said amount of dust, complete with the guide rails for ease of installation in the existing central unit.<br>Note: Filters with greater capacity than 50,000 m³/h may be in 2 groups. In such cases, the Unit Price of the capacity after division shall be applicable. | | |
| 25.455.1101 | 100 to 500 m³/h | 213,24 | 11,25 |
| 25.455.1102 | 501 to 1,500 m³/h | 232,90 | 11,25 |
| 25.455.1103 | 1,501 to 3,000 m³/h | 324,85 | 28,13 |
| 25.455.1104 | 3,001 to 5,000 m³/h | 390,99 | 28,13 |
| 25.455.1105 | 5,001 to 10,000 m³/h | 764,10 | 56,25 |
| 25.455.1106 | 10,001 to 20,000 m³/h | 1.424,53 | 112,50 |
| 25.455.1107 | 20,001 to 30,000 m³/h | 2.007,25 | 112,50 |
| 25.455.1108 | 30,001 - 40,000 m³/h | 2.581,88 | 168,75 |
| 25.455.1109 | 40,001 - 50,000 m³/h | 3.171,75 | 168,75 |
| **25.455.1200** | **Dry air filter with components that can be cleaned (metallic or synthetic type).**<br>Dry air filter with components that can be washed and reused; the specifications shall be similar to the item 25.455.1100, and the unit prices including installation shall be raised by 15 percent, and the installation fees shall remain unchanged. | | |
| **25.455.1300** | **Bag filter:**<br>Supply and installation of bag filters of stitched bags made of chemical fibers or glass wool, which shall be sized as specified below, protect the air from 90 percent of the dusts sized up to 10 microns, in compliance with the EU-4 or G4 class, equipped with galvanized sheet metal or plastic for the ease of installation in the central unit, which shall have initial operating pressures of 35 to 50 Pa.<br>Size (mm) Debi (m³/h) | | |
| 25.455.1301 | 305 x 305 1,100 | 429,53 | 11,25 |
| 25.455.1302 | 305 x 610 2,200 | 429,53 | 11,25 |
| 25.455.1303 | 610 x 305 2,200 | 568,95 | 11,25 |
| 25.455.1304 | 610 x 610 4,300 | 760,48 | 16,88 |
| **25.458.1000** | **CENTRAL UNIT HEATERS (PN 6 - 16 QUALITY) (Unit: Qty., Materials on construction site: 60%)** | | |
| **25.458.1100** | **Heater with copper pipes, copper or aluminum blades**<br>Heater with copper pipes, or copper or aluminum blades (Logarithmic capacity to be used for pricing: tm= 60°C, hot water operation and serpentine intake rate: 3 m/s) | | |
| 25.458.1101 | (1,000 kcal/h) 1.1 kW | 1.139,61 | 97,50 |
| 25.458.1102 | (5,000 kcal/h) 5.5 kW | 2.635,75 | 97,50 |
| 25.458.1103 | (10,000 kcal/h) 11 kW | 3.292,25 | 146,25 |
| 25.458.1104 | (20,000 kcal/h) 22 kW | 3.966,63 | 195,00 |
| 25.458.1105 | (40,000 kcal/h) 44 kW | 5.302,38 | 243,75 |
| 25.458.1106 | (60,000 kcal/h) 66 kW | 6.387,88 | 292,50 |
| 25.458.1107 | (80,000 kcal/h) 88 kW | 7.478,25 | 292,50 |
| 25.458.1108 | (100,000 kcal/h) 110 kW | 9.345,38 | 390,00 |
| 25.458.1109 | (150,000 kcal/h) 165 kW | 12.813,13 | 390,00 |
| 25.458.1110 | (200,000 kcal/h) 220 kW | 16.449,88 | 487,50 |
| 25.458.1111 | (300,000 kcal/h) 330 kW | 22.080,50 | 487,50 |
| **25.458.2000** | **CENTRAL UNIT COOLERS (up to 4 ATM pressure): (Including the galvanized or plastic-based condensation tray) (Unit: Qty., Materials on construction site: 60%).** | | |
| **25.458.2100** | **Cooler with copper pipes, copper or aluminum blades:**<br>Logarithmic capacity to be used for pricing: tm= 15°C, cold water operation and serpentine intake rate: 3 m/s | | |
| 25.458.2101 | (500 kcal/h) 0.55 kW | 961,35 | 146,25 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.458.2102 | (1,000 kcal/h) 1.1 kW | 1.474,85 | 195,00 |
| 25.458.2103 | (2,000 kcal/h) 2.2 kW | 1.727,38 | 243,75 |
| 25.458.2104 | (4,000 kcal/h) 4.4 kW | 3.760,25 | 292,50 |
| 25.458.2105 | (8,000 kcal/h) 8.8 kW | 5.139,88 | 438,75 |
| 25.458.2106 | (12,000 kcal/h) 13.2 kW | 5.768,75 | 585,00 |
| 25.458.2107 | (16,000 kcal/h) 17.6 kW | 7.541,63 | 731,25 |
| 25.458.2108 | (20,000 kcal/h) 22 kW | 7.991,75 | 877,50 |
| 25.458.2109 | (30,000 kcal/h) 33 kW | 9.738,63 | 926,25 |
| 25.458.2110 | (40,000 kcal/h) 44 kW | 12.205,38 | 926,25 |
| 25.458.2111 | (60,000 kcal/h) 66 kW | 15.351,38 | 926,25 |
| 25.458.2112 | (80,000 kcal/h) 88 kW | 21.209,50 | 975,00 |
| 25.458.2113 | (160,000 kcal/h) 176 kW | 34.427,25 | 1.072,50 |
| 25.458.2114 | (320,000 kcal/h) 352 kW | 64.013,63 | 1.218,75 |
| **25.458.3000** | **Direct Expansion (Dx) - Heat Pump (Dx) Batteries**<br>Direct expansion (Dx) batteries are made from copper pipes - aluminum fins, tightness tests were conducted by applying 48.0-bar testing pressure to the batteries with 41.0-bar operating pressure and min. 34.0-bar testing pressure to the batteries with 22.0-bar operating pressure as per the testing pressure procedure under the Pressure Equipment Directive 2014/68/EU and TS EN 378 standard, and max. air side rate of 3.0 m/s for the battery, a coolant side pressure loss of 35 kPa, an evaporation temperature of 6 to 8°C, an air input of 35°C and humidity of 50 percent were taken as reference for log ΔTm ~18 K based on the approved project capacities and the cooling loads of the battery capacities given below. | | |
| 25.458.3001 | Cooling capacity up to 28 kW | 8.452,96 | 427,09 |
| 25.458.3002 | Cooling capacity up to 28 to 56 kW | 10.764,03 | 468,03 |
| 25.458.3003 | Cooling capacity up to 56 to 84 kW | 17.898,78 | 524,28 |
| 25.458.3004 | Cooling capacity up to 84 to 112 kW | 26.302,78 | 544,90 |
| 25.458.3005 | Cooling capacity up to 112 to 140 kW | 33.761,84 | 585,84 |
| 25.458.3006 | Cooling capacity up to 140 to 168 kW | 38.521,65 | 662,40 |
| 25.458.3007 | Cooling capacity up to 168 to 196 kW | 43.177,09 | 723,96 |
| 25.458.3008 | Cooling capacity up to 196 to 224 kW | 47.194,09 | 772,71 |
| 25.458.3009 | Cooling capacity up to 224 to 252 kW | 64.114,09 | 800,84 |
| 25.458.3010 | Cooling capacity up to 252 to 280 kW | 74.215,90 | 821,15 |
| **25.458.3100** | **DX battery control module:**<br>Supply and installation of a control module and a heating/cooling selector switch which can control a desired direct expansion battery capacity, manage the external unit capacity by detection elements, and allows temperature adjustment on the control panel. | | |
| 25.458.3101 | Cooling capacity up to 28 kW | 12.023,28 | 346,78 |
| 25.458.3102 | Cooling capacity up to 28 to 56 kW | 12.781,15 | 378,65 |
| 25.458.3103 | Cooling capacity up to 56 to 84 kW | 17.331,65 | 406,78 |
| 25.458.3104 | Cooling capacity up to 84 to 112 kW | 18.456,09 | 427,09 |
| 25.458.3105 | Cooling capacity up to 112 to 140 kW | 24.153,78 | 468,03 |
| 25.458.3106 | Cooling capacity up to 140 to 168 kW | 26.630,03 | 524,28 |
| 25.458.3107 | Cooling capacity up to 168 to 196 kW | 32.186,40 | 544,90 |
| 25.458.3108 | Cooling capacity up to 196 to 224 kW | 42.618,21 | 585,84 |
| 25.458.3109 | Cooling capacity up to 224 to 252 kW | 48.351,53 | 662,40 |
| 25.458.3110 | Cooling capacity up to 252 to 280 kW | 51.332,21 | 723,96 |
| **25.458.3200** | **DX battery Electronic Expansion kit**<br>Delivery in working order of an expansion kit with sensors and a factory-manufactured enclosure, which is capable of adjusting the amount of the fluid by an insulated direct expansion valve. | | |
| 25.458.3201 | Cooling capacity up to 28 kW | 3.855,78 | 346,78 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.458.3202 | Cooling capacity up to 28 to 56 kW | 4.810,28 | 378,65 |
| 25.458.3203 | Cooling capacity up to 56 to 84 kW | 8.559,15 | 406,78 |
| 25.458.3204 | Cooling capacity up to 84 to 112 kW | 9.728,96 | 427,09 |
| 25.458.3205 | Cooling capacity up to 112 to 140 kW | 13.415,03 | 468,03 |
| 25.458.3206 | Cooling capacity up to 140 to 168 kW | 14.772,03 | 524,28 |
| 25.458.3207 | Cooling capacity up to 168 to 196 kW | 18.826,59 | 585,84 |
| 25.458.3208 | Cooling capacity up to 196 to 224 kW | 19.480,03 | 634,28 |
| 25.458.3209 | Cooling capacity up to 224 to 252 kW | 22.839,53 | 651,15 |
| 25.458.3210 | Cooling capacity up to 252 to 280 kW | 23.531,40 | 662,40 |
| **25.458.5000** | **HUMIDIFIERS (Unit: Qty., Materials on construction site: 60%)** | | |
| **25.458.5100** | **Steam humidifiers with proportional control:**<br>Steam humidifier in a heat-resistant special plastic housing, which turns water into steam by energy transfer by its opposing electrode units. Steam humidifiers with a water input solenoid valve cylinder with electrodes in the unit; a control panel, electronic board, contactor and cabling in a separate compartment; and equipped with an electronic board adjusting the water level in the cylinder depending on the humidity requirement; which shall be capable of operating by adjusting itself automatically to water with a conductivity range of 125 to 800 Micro Siemens (US) (15 C) without any requirement for treated water, and generate steam when the water and power connections of the device are made; and which shall be equipped with a cylinder that can be opened to allow removal of scaling caused by the water; a stainless steel electrode; a blow-off pump and a microprocessor with proportional control. Supply, installation, and delivery in working order, with a nickel-plated brass or stainless steel distribution pipe, min. 3-meter-long special rubber-braided hose and special rubber drainage hose compatible with the internal size and distributed steam capacity of the unit, ducts and air conditioning central units for applications of steam distribution into ducts and air conditioning central units.<br>Capacity (kg/h) | | |
| 25.458.5101 | 6 | 29.460,20 | 255,94 |
| 25.458.5102 | 10 | 32.620,55 | 255,94 |
| 25.458.5103 | 17 | 34.219,49 | 255,94 |
| 25.458.5104 | 30 | 36.050,71 | 255,94 |
| 25.458.5105 | 45 | 43.376,89 | 394,06 |
| 25.458.5106 | 60 | 51.602,50 | 394,06 |
| 25.458.5107 | 90 | 78.190,68 | 394,06 |
| 25.458.5108 | 116 | 86.871,54 | 394,06 |
| 25.458.5109 | 130 | 94.860,59 | 394,06 |
| **25.460.1000** | **VENTILATION, HEATING, AND AIR CONDITIONING CENTRAL UNIT CELL: (Unit: m²)**<br>Supply, installation, and securing on the floor or a concrete base with the ducts insulated against vibration with flexible fittings, of central unit cells that bring together the facilities for detachment and removal of ventilation fans, filters, dampers, heaters, coolers, humidifiers, and automatic control devices in the order specified in the relevant approved project so that they continue to function; connection of pipes with flanges or bushes, coating of the necessary surfaces with two layers of anti-rust paint; coating of the external surface with two layers of gun-sprayed paint; and acoustic insulation of the required interior surfaces. - The external surface with 6 sides of the air conditioner central unit cell shall be taken as basis for the quantities, the intermediary cells shall not be considered, and the duct connection holes shall not be subtracted from the estimated surface. - Acoustic insulation within the cell shall be paid separately per the relevant insulation unit price depending on the specifications of the insulation. Air dampers shall be calculated based on the item 25.472.1400. (Items such as anti-vibration wedges, etc. used for production of devices shall be included in the unit prices, and no additional fees shall be charged.) | | |
| 25.460.1100 | **If modular profile frame with galvanized sheet metal double frame and polyurethane filling is made:**<br>The back and corner pieces of the air conditioning central unit shall be made of galvanized steel or aluminum profile as per the relevant approved project design. Double-wall cells with weldless structure, internal and external walls made of at least 0.5-mm-thick galvanized sheet metal, and with at least 22-mm-thick factory-made polyurethane filler injected in the gap | 1.384,88 | 195,00 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | between the walls. Other specifications shall be as per the item 25.460.1000. | | |
| **25.460.1200** | **If modular profile frame with galvanized sheet metal double frame and glass wool or rock wool filling is made:**<br>The back and corner pieces of the air conditioning central unit shall be made of galvanized steel or aluminum profile as per the relevant approved project design. The panels shall be made of pre-painted galvanized sheet metal with the exterior panel sheets made of galvanized sheet metal coated with polyester for protection from abrasive effects. All panels, covers and inlet panels shall be double-wall. Interior and exterior walls shall be made of at least 1-mm-thick galvanized sheet metal. The panels shall be installed on the back of the central unit to allow detachment for manipulation of the interior. Glass wool insulation board with 50 kg/m³ density or rock wool insulation board with 70 kg/m³ density shall be installed between the internal and external panels. Other specifications shall be the same as the item 25.460.1000. | | |
| 25.460.1201 | Cells with glass wool or rock wool insulation up to 30 mm with the same specifications as the item 25.460.1200 | 1.378,68 | 195,00 |
| 25.460.1202 | Cells with glass wool or rock wool insulation up to 60 mm with the same specifications as the item 25.460.1200 | 1.460,63 | 195,00 |
| **25.465.1000** | **HEAT RECOVERY UNIT FOR USE WITH AIR CONDITIONING CENTRAL Unit: Qty.**<br>Rotor-type heat recovery estimations shall be made as per VDI 2071 standard. Where the flow rates of exhaust and blown air passing through the rotor are equal, sensible heat recovery efficiency for operation in both summer and winter shall be min. 65 percent. The accuracy of the heat recovery capacity shall be confirmed by a selection program. Air flow rates of 4 m/s and pressure losses of 220 Pa shall not be exceeded at the suction and blowing sides of the rotor. The rotor shall be driven by a system of belt and pulley. The rotor shall have a housing made of aluminum, and frame and other materials made of galvanized steel. It shall be manufactured to make a non-oscillatory rotation within the filling cassette, and while the air flows 100 percent in parallel to the filling holes, the same holes shall be 90 degrees perpendicular to the cassette plane and no curvature shall be allowed. The sections of the rotor shall be factory-assembled, and delivered in a single piece. The heat recovery rotor shall be installed in air conditioning central unit panels. | | |
| **25.465.1100** | **Rotor Heat Recovery (Hygroscopic) Unit Unit: Qty.**<br>Supply to the work site and delivery in working order of a heat recovery unit with a rotor that can recover both sensible and latent heat in the circulation air, and manufactured to have a humidity transfer of min. 20 percent.<br>Air Flow Rate (m³/h ) | | |
| 25.465.1101 | 500-1500 m³/h | 49.563,31 | 442,81 |
| 25.465.1102 | 1501-3000 m³/h | 62.482,06 | 580,94 |
| 25.465.1103 | 3001-5000 m³/h | 80.597,56 | 767,81 |
| 25.465.1104 | 5001-7500 m³/h | 88.940,31 | 905,94 |
| 25.465.1105 | 7501-10,000 m³/h | 105.306,50 | 1.023,75 |
| 25.465.1106 | 10,001-12,500 m³/h | 114.954,13 | 1.161,88 |
| 25.465.1107 | 12,501-15,000 m³/h | 117.985,56 | 1.279,69 |
| 25.465.1108 | 15,000-20,000 m³/h | 129.237,06 | 1.466,56 |
| 25.465.1109 | 20,000-30,000 m³/h | 168.273,63 | 1.535,63 |
| 25.465.1110 | 30,000-40,000 m³/h | 223.551,25 | 1.722,50 |
| 25.465.1111 | 40,000-50,000 m³/h | 269.022,81 | 1.791,56 |
| 25.465.1112 | 50,000-60,000 m³/h | 349.110,94 | 1.978,44 |
| **25.465.1200** | **Rotor Heat Recovery (non-hygroscopic) Unit (Unit: Qty.)**<br>Supply to the work site and delivery in working order of a heat recovery unit with a rotor that can recover sensible heat in the circulation air, and other specifications shall be the same as the item 25.465.1100.<br>Air Flow Rate (m³/h ) | | |
| 25.465.1201 | 500-1500 m³/h | 49.563,31 | 442,81 |
| 25.465.1202 | 1501-3000 m³/h | 54.259,56 | 580,94 |
| 25.465.1203 | 3001-5000 m³/h | 66.869,56 | 767,81 |
| 25.465.1204 | 5001-7500 m³/h | 69.957,06 | 905,94 |
| 25.465.1205 | 7501-10,000 m³/h | 90.398,75 | 1.023,75 |
| 25.465.1206 | 10,001-12,500 m³/h | 94.594,50 | 1.161,88 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.465.1207 | 12,501-15,000 m³/h | 107.618,06 | 1.279,69 |
| 25.465.1208 | 15,001-20,000 m³/h | 150.579,81 | 1.466,56 |
| 25.465.1209 | 20,001-30,000 m³/h | 187.793,13 | 1.535,63 |
| 25.465.1210 | 30,001-40,000 m³/h | 268.775,00 | 1.722,50 |
| 25.465.1211 | 40,001-50,000 m³/h | 332.300,31 | 1.791,56 |
| 25.465.1212 | 50,001-60,000 m³/h | 386.290,94 | 1.978,44 |
| **25.465.1300** | **Plate-type Heat Recovery Unit (Unit: Qty.)**<br>It shall operate by cross-current principle, have min. 50 percent total heat recovery efficiency in winter mode where the exhaust and air blowing rates are equal, and be designed to have max. 250 Pa pressure loss on the suction and blowing sides of the unit. The waved and embossed plates to be used in the heat recovery unit shall be made of aluminum with galvanized steel frame. Supply to the work site and delivery in working order of a heat recovery unit with a rotor, and other specifications shall be the same as the item 25.465.1100.<br>Air Flow Rate (m³/h ) | | |
| 25.465.1301 | 500-1500 m³/h | 12.383,31 | 442,81 |
| 25.465.1302 | 1501-3000 m³/h | 15.917,69 | 580,94 |
| 25.465.1303 | 3001-5000 m³/h | 19.465,06 | 767,81 |
| 25.465.1304 | 5001-7500 m³/h | 38.675,81 | 905,94 |
| 25.465.1305 | 7501-10,000 m³/h | 57.151,25 | 1.023,75 |
| 25.465.1306 | 10,001-12,500 m³/h | 66.316,25 | 1.161,88 |
| 25.465.1307 | 12,501-15,000 m³/h | 81.824,44 | 1.279,69 |
| 25.465.1308 | 15,001-20,000 m³/h | 101.977,69 | 1.466,56 |
| 25.465.1309 | 20,001-30,000 m³/h | 159.461,25 | 1.535,63 |
| 25.465.1310 | 30,001-40,000 m³/h | 196.381,25 | 1.722,50 |
| 25.465.1311 | 40,001-50,000 m³/h | 267.056,56 | 1.791,56 |
| 25.465.1312 | 50,001-60,000 m³/h | 360.014,69 | 1.978,44 |
| **25.467.1100** | **Ceiling-type Heat Recovery and Ventilation Devices (Unit: Qty. Materials on construction site: 60%)**<br>It shall discharge the polluted air by a fan, replace it with filtered fresh air from outside by another fan, and transfer the energy of the discharged air to the fresh air by a built-in aluminum sheet heat recovery exchanger, with the fresh air and exhaust fans and filters, and heat recovery exchanger collected in the casing to constitute a compact structure. Exhaust and fresh air fans, and the device shall bear the CE marking, and heat recovery exchangers shall be certified for compliance with TS EN 308. The filters used in devices shall not exceed 30 Pa in G3 and higher classes in compliance with the TS EN ISO 16890 standard. Ceiling-type heat recovery equipment shall achieve minimum 50-percent efficiency in measurements to be done in accordance with the TS EN 308 as per the criteria provided in Article 10 of Section 17 of the Regulation on Energy Performance at Buildings, and the devices shall be equipped with a by-pass mechanism that operates in interior mode, exterior mode, and user-set temperature mode for economy at midseasons. The by-pass damper shall be driven by a motor to shut the damper automatically when the device is turned off to prevent undesirable air flow to the building. The devices shall be internally insulated against potential condensation, heat leakage and noise. The insulation material shall be attached to the device housing in a manner that prevents peeling of the insulation material without external intervention. The device with thermostatic protection against frost shall be installed with a control panel. (150-pa air flow rate shall be taken as basis for device capacities.) | | |
| 25.467.1101 | 500 m³/h | 22.475,38 | 650,00 |
| 25.467.1102 | 1000 m³/h | 28.295,31 | 767,81 |
| 25.467.1103 | 1500 m³/h | 29.340,19 | 954,69 |
| 25.467.1104 | 2000 m³/h | 34.005,56 | 954,69 |
| 25.467.1105 | 3000 m³/h | 43.750,69 | 1.279,69 |
| 25.467.1106 | 4000 m³/h | 56.876,63 | 1.535,63 |
| **25.467.1200** | **Electric Heater Units for Ceiling Type Heat Recovery Devices** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | For use with ceiling-mounted heat recovery devices, and controllable by control panel | | |
| 25.467.1201 | 2000 W | 5.332,44 | 255,94 |
| 25.467.1202 | 3000 W | 5.546,94 | 255,94 |
| 25.467.1203 | 4000 W | 7.046,00 | 325,00 |
| 25.467.1204 | 6000 W | 7.704,94 | 394,06 |
| 25.467.1205 | 9000 W | 10.240,75 | 463,13 |
| 25.467.1206 | 12,000 W | 11.433,50 | 511,88 |
| **25.470.1000** | **VENTILATION DUCT: In plate form (Unit: m², Materials on construction site: 40%)** | | |
| **25.470.1100** | **Making rectangular air ducts made of galvanized sheet metal in dimensions specified in the project:**<br>Rectangular ventilation ducts shall be manufactured by automatic machines designed for this purpose; the corner parts shall be equipped with integral flanges or installed with flanges with integral mastic; the self-adhesive neoprene seal shall be placed along the lateral section of the flange; and fixed at appropriate intervals with G-clips or 140-mm metal fasteners. The Galvanized Sheet Metals to be used shall be in thicknesses specified below and plated with DX 51 D+Z 275 g/m² zinc as per TS-EN 10346. The ducts shall be tested for tightness as per the pressure class specified by the designer in the project design, in order to achieve tightness in compliance with the Regulation on Energy Performance at Buildings and TS-EN 1507 standard. Curvilinear vanes shall be installed on the inside of the brackets at tight turns; flexible fittings shall be installed on the connections to devices and apparatuses; production and assembly shall be made including any fastener and fitting; profiles of appropriate size shall be used for suspension and fixing for the ducts that are wider than 499 mm; and anti-vibration materials shall be installed between the profile and the duct. Installation shall be made on the ceiling or on the wall with threaded suspension bars. | | |
| 25.470.1101 | 0.60 mm for those with max. 600 mm wide edge (including 600 mm). | 359,13 | 117,81 |
| 25.470.1102 | 0.80 mm for those with max. 1249 mm wide edge | 429,91 | 137,31 |
| 25.470.1103 | 1.00 mm for those with max. 2490 mm wide edge | 525,44 | 166,56 |
| 25.470.1104 | 1.2 mm for those with min. 2490 mm wide edge | 593,06 | 186,06 |
| **25.470.1200** | **Production of cylindrical ventilation ducts made of galvanized sheet metal, with interlocking spirals:**<br>Production of round ducts made of strip rolls of galvanized sheet metal plated with DX 51 D+Z 275 g/m² zinc complying with TS EN 12237 by means of S-type spiral interlocking; installation with sealed fittings to ensure tightness; and mounting on wall or ceiling as per the relevant standard, using clamps, threaded suspension bars and similar other suspension elements. The item shall be tested for tightness as per the pressure class specified in the project design by the designer so as to ensure tightness in compliance with TS-EN 1507. | | |
| 25.470.1201 | 0.50 mm for up to Ø160 mm | 355,54 | 117,81 |
| 25.470.1202 | 0.60 mm for up to Ø315 mm | 436,38 | 137,31 |
| 25.470.1203 | 0.80 mm for up to Ø800 mm | 561,60 | 166,56 |
| 25.470.1204 | 1.0 mm for up to Ø1000 mm | 659,18 | 186,06 |
| 25.470.1205 | 1.2 mm for up to Ø1500 mm | 742,76 | 215,31 |
| **25.470.1300** | **Production of ventilation ducts with stainless steel plates:**<br>The flange and ducts shall be made of stainless steel of min. 304 quality, manufactured by automatic machines, to be installed with integral flanges or flanges with integral mastic, with tightness and other specifications in compliance with the item 25.470.1100. | | |
| 25.470.1301 | 0.50 mm for those with max. 250 mm wide edge. | 761,31 | 117,81 |
| 25.470.1302 | 0.60 mm for those with max. 499 mm wide edge. | 848,88 | 137,31 |
| 25.470.1303 | 0.70 mm for those with max. 990 mm wide edge. | 958,56 | 166,56 |
| 25.470.1304 | 0.80 mm for those with max. 1490 mm wide edge. | 1.087,38 | 186,06 |
| 25.470.1305 | 0.90 mm for those with max. 1990 mm wide edge. | 1.144,56 | 195,81 |
| 25.470.1306 | 1.00 mm for those with max. 2490 mm wide edge. | 1.286,31 | 205,56 |
| 25.470.1307 | 1.15 mm for those with max. 2490 mm wide range | 1.440,44 | 215,31 |
| **25.470.1600** | **Production of ventilation ducts sized as specified in the project design with pre-insulated, embossed aluminum sheets:**<br>Production and installation, including the installation materials, of ventilation ducts coated with aluminum film on both surfaces, with cellular PUR (Polyurethane) / PIR | | |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | (Polyisocyanurate) insulation (Max. density: 1= 0.025 W/mK, 50 ± 5 kg/m³), 1300 Pa pressure resistance, hidden aluminum flanges, and PVC sliding connection flanges; with classºC sealing as per TS EN 1507, in compliance with the Building Fire Safety Directive (Lowest flammability), certified with flammability class as per TS EN 13501-1, and in compliance with (TS) EN 13403; complete with special mastic or PVC caps at attachment points, and special fitting profiles for connection to such components as dampers, grills, etc. in the system. They shall be installed on the ceiling or the wall with threaded suspension bars mounted on brackets of appropriate size, and no charge shall apply for such works. | | |
| 25.470.1601 | **20 mm insulation thickness, 80/80 micron Al plating**<br>Min. 20 mm thickness, 80-micron internal and 80-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1600. | 637,70 | 117,81 |
| 25.470.1602 | **20 mm insulation thickness, 80/200 micron Al plating**<br>At least 20 mm thick, 200-micron internal and 80-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1600. | 736,98 | 117,81 |
| 25.470.1603 | **30 mm insulation thickness, 80/200 micron Al plating**<br>At least 30 mm thick, 200-micron internal and 80-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1600. | 876,65 | 137,31 |
| **25.470.1700** | **Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels**<br>Pre-insulated, embossed AL panels used for production of ventilation ducts shall be filled with PUR (Polyurethane) / PIR (Polyurethane), with all specifications complying with TS EN 13403, with the external surfaces made of embossed aluminum, internal surfaces through which air flows coated with a material with antioxidant active ingredient or silver-ion. Compliance with ISO 22196 or ASTM (American Society for Testing and Materials) standards shall be approved by antimicrobial / antibacterial activity tests of Accredited organizations. Flange connections completing the ventilation duct shall be of the same specifications. Other specifications of the ducts shall be the same as the item 25.470.1600. | | |
| 25.470.1701 | **Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels, 20-mm-thick insulation, and 80/80 micron Al plating**<br>Ventilation Duct made of Hygienic, Pre-insulated, embossed aluminum panels Min. 20 mm thickness, 80-micron internal and 80-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1700. | 753,61 | 117,81 |
| 25.470.1702 | **Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels, 20-mm-thick insulation, and 80/200 micron Al plating**<br>Ventilation Duct made of Hygienic, Pre-insulated, embossed aluminum panels at least 20 mm thick, 80-micron internal and 200-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1700. | 863,61 | 117,81 |
| 25.470.1703 | **Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels, 30-mm-thick insulation, and 80/200 micron Al plating**<br>Ventilation Duct made of Hygienic, Pre-insulated, embossed aluminum panels at least 30 mm thick, 80-micron internal and 200-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1700. | 1.004,11 | 137,31 |
| **25.470.1800** | **Fabric Air Duct: (Unit: m)**<br>Supply to the worksite of fabric air ducts to be used under positive pressure, operating within the temperature range of -17.8 to +80, resistant to max. 500 Pa operating pressure, designed according to max. air velocity of 10 m/s , conforming to class B-s1, d0 in the EN 13501-1:2009 reaction to fire standards, in compliance with the EN ISO 12127:1997 standard, density of at least 220 g/m², min. 0.3 mm-thick in compliance with the EN ISO 5084:1996 standard, permeability tolerance of +/- 5% in compliance with the EN ISO 9237:1995 standard, and a maximum tension-shrinkage tolerance of 0.5% after washing at 40°C in compliance with the EN ISO 5077 standard, together with the suspension materials suitable for the system. The ducts shall be combined with zippers, and zipper intervals shall be max. 10 meters in order to allow the parts to be washed in industrial washing machines. Laser-cut holes or nozzles shall be used to ensure that the holes do not become fibrous over time and their diameters/spacing remains the same. Suspension system shall consist of anodized aluminum rail or stainless steel rope. The materials shall be certified as suitable for human and environmental health . | | |
| 25.470.1810 | Diameter of 200 to 314, single suspension | 606,75 | 16,88 |
| 25.470.1811 | Diameter of 315 to 449, single suspension | 719,63 | 22,50 |
| 25.470.1812 | Diameter of 450 to 599, single suspension | 939,75 | 28,13 |
| 25.470.1813 | Diameter of 600 to 749, double suspension | 1.240,31 | 33,75 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.470.1814 | Diameter of 750 to 949, double suspension | 1.380,00 | 39,38 |
| 25.470.1815 | Diameter of 950 to 1149, double suspension | 1.653,75 | 45,00 |
| 25.470.1816 | Diameter of 1150 to 1349, double suspension | 1.766,63 | 50,63 |
| 25.470.1808 | Diameter of 1350 to 1600, double suspension | 2.067,19 | 56,25 |
| **25.470.1820** | **Duct Nozzles (Unit: Qty.)** | | |
| 25.470.1821 | 12 mm - 20 mm | 11,25 | |
| 25.470.1822 | 20 mm - 30 mm | 37,50 | |
| 25.470.1823 | 30 mm - 40 mm | 93,75 | |
| 25.470.1824 | 40-60 | 150,00 | |
| 25.470.1825 | 60-80 | 187,50 | |
| 25.470.1826 | 80-120 | 206,25 | |
| 25.470.1827 | 120-180 | 225,00 | |
| **25.470.5100** | **Flexible Uninsulated Ventilation Ducts** | | |
| 25.470.5101 | **Semi-flexible aluminum ventilation ducts**<br>Supply and installation of semi-flexible ventilation ducts without thermal insulation manufactured by drawing together and coupling of at least 90-micron-thick alloyed aluminum strips with a temperature range of -30 to +250°C, resistant to max. 2000 operating pressure with an air flow speed of max. 25 m/s. | 148,59 | 48,75 |
| 25.470.5102 | **Stainless steel semi-flexible ventilation ducts:**<br>Supply and installation of semi-flexible ventilation ducts without thermal insulation manufactured by drawing together and coupling of at least 100-micron-thick pure metallic 316 L stainless steel strips, which have a temperature range of -30 to +250°C, resistant to max. 12,500 operating pressure with an air flow speed of max. 25 m/s. | 816,55 | 48,75 |
| 25.470.5103 | **Aluminum-polyester laminated fully flexible ventilation ducts;**<br>Supply and installation on site of heat-insulated, semi-flexible ventilation ducts manufactured by wrapping aluminum and polyester-laminated strips on high-tensile, TSE TS EN 13180-compliant steel wire that is twisted in worm shape, with a temperature range of -30 to +150°C, resistant to max. 3000 operating pressure, in compliance with TS EN 13501-1 with double coupling, which allows an air flow speed of max. 30 m/s, and certified by accredited laboratories to be in fire-retardant and combustion-retardant in compliance with TS EN 13501-1, Building Fire Safety Directive; of TS EN 13501-1, Appendix-2/Ç Building Materials Flammability Classification; and Flammability Classification of Building Materials other than Flooring. | 90,41 | 48,75 |
| 25.470.5104 | **Hygienic aluminum-polyester laminated fully flexible ventilation ducts;**<br>Supply and installation on site of TSE TS EN 13180-compliant hygienic aluminum coated, fully-flexible ventilation ducts manufactured by wrapping aluminum and polyester-laminated strips on high-tensile steel wire that is twisted in worm shape, with a temperature range of -30 to +150°C, resistant to max. 3000 operating pressure, in compliance with TS EN 13180 with double coupling, which allows an air flow speed of max. 30 m/s, fully flexible air ventilation with aluminum inner surface covered with silver-based antimicrobial, ISO 22196 test, antibacterial, ASTM G21 test, and certified by accredited laboratories to be in fire-retardant and combustion-retardant in compliance with TS EN 13501-1, Building Fire Safety Directive; of TS EN 13501-1, Appendix-2/Ç Building Materials Flammability Classification; and Flammability Classification of Building Materials other than Flooring. | 111,99 | 48,75 |
| **25.470.5200** | **Ventilation ducts made of insulated flexible pipes.** | | |
| 25.470.5201 | **Glass wool thermal-insulated, semi-flexible insulated aluminum ventilation ducts.**<br>Supply and installation of thermal-insulated, semi-flexible ventilation ducts manufactured by drawing together and coupling of min. 90-micron-thick pure aluminum strips with a temperature range of -30 to +250°C; resistance to 2000+ pa operating pressure; max. 25 m/s air flow speed; 16 kg/m³ density; insulated with 2.5-cm glass wool mats; and certified by accredited laboratories to be in fire-retardant and combustion-retardant in compliance with TS EN 13501-1, Building Fire Safety Directive; of TS EN 13501-1, Appendix-2/Ç Building Materials Flammability Classification; and Flammability Classification of Building Materials other than Flooring. | 235,43 | 48,75 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.470.5202 | **Glass wool thermal-insulated fully flexible ventilation ducts;**<br><br>Supply and installation on site of TSE TS EN 13180-compliant thermal-insulated, semi-flexible ventilation ducts manufactured by wrapping aluminum and polyester-laminated strips on high-tensile steel wire that is twisted in worm shape, with a temperature range of -30 to +150°C, resistant to max. 3000 operating pressure, in compliance with TS EN 13180 with double coupling, which allows an air flow speed of max. 30 m/s, fully flexible with 16 kg/m³ density, jacketed with polyester-laminated aluminum material after being insulated with 2.5-cm glass wool mats, and certified by accredited laboratories to be in fire-retardant and combustion-retardant in compliance with TS EN 13501-1, Building Fire Safety Directive; of TS EN 13501-1, Appendix-2/Ç Building Materials Flammability Classification; and Flammability Classification of Building Materials other than Flooring. | 172,64 | 48,75 |
| 25.470.5203 | **Glass wool thermal-insulated Hygienic Aluminum-Polyester-laminated fully flexible ventilation ducts;**<br>Supply and installation on site of TSE TS EN 13180-compliant thermal-insulated, semi-flexible ventilation ducts manufactured by wrapping aluminum and polyester-laminated strips on high-tensile steel wire that is twisted in worm shape, with a temperature range of -30 to +150°C, resistant to max. 3000 operating pressure, with double coupling, which allows an air flow speed of max. 30 m/s, fully flexible air ventilation with aluminum inner surface covered with silver-based antimicrobial, ISO 22196 test, antibacterial, ASTM G21 test, and minimum 16 kg/m³ density antifungal inner conduit, jacketed with polyester-laminated aluminum material after being insulated with 2.5-cm glass wool mats, and certified by accredited laboratories to be in fire-retardant and combustion-retardant in compliance with TS EN 13501-1, Building Fire Safety Directive; of TS EN 13501-1, Appendix-2/Ç Building Materials Flammability Classification; and Flammability Classification of Building Materials other than Flooring. | 224,06 | 48,75 |
| 25.470.5204 | **Flexible pipe ventilation duct material: (%)**<br>Supply and installation of fittings such as tee-connectors, prongs, sleeves, reducers, etc. made of galvanized sheet metal or polypropylene material, required for attachment of flexible pipes to each other as described in the items 25.470.5100 and 25.470.5200. | % 35 | |
| **25.472.1000** | **Inspection Covers: (Unit: Qty.)**<br>Production of inspection covers sized approximately as described below at required spots on the main ducts, installation of the covers with seals on the duct, complete with fittings and fixing equipment. | | |
| **25.472.1100** | **Inspection cover, double-wall, with the wall spacing filled with 2.5-cm-thick glass wool plate with 50 kg/m³ density (to comply with the type project)** | | |
| 25.472.1101 | 20 x 30 cm. | 275,23 | 48,75 |
| 25.472.1102 | 40x50 cm | 568,50 | 48,75 |
| **25.472.1200** | **Single-wall insulation on the inspection cover for installation on the ducts: (in compliance with the type project.)** | | |
| 25.472.1201 | 20 x 30 cm. | 255,43 | 48,75 |
| 25.472.1202 | 40x50 cm | 255,43 | 48,75 |
| **25.472.1300** | **Column flap (Unit: Qty.)**<br>For use at locations specified in the projects and at other locations as may be necessary, in any size and made of aluminum or galvanized cast sheet metal, including manual setting mechanism, butterfly valve, etc., labor and installation. | | |
| 25.472.1301 | Up to 0.04 m² | 261,89 | 48,75 |
| 25.472.1302 | Up to 0.06 m² | 294,89 | 48,75 |
| 25.472.1303 | Up to 0.08 m² | 365,00 | 48,75 |
| 25.472.1304 | Up to 0.10 m² | 432,50 | 58,50 |
| 25.472.1305 | 0.12 m² and above | 521,38 | 73,13 |
| **25.472.1400** | **AIR DAMPERS (Unit: m², Materials on construction site: 60%)**<br>Installation of dampers made up of moving blades on roller bearings and greasy bronze bearings, including the drive mechanism, galvanized sheet metal frame, fittings and fasteners, for installation at the locations specified in the project design as per the approved structural drawing. | | |
| 25.472.1401 | Up to 0.10 m² (price for 1 m²) | 5.958,75 | 390,00 |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.472.1402 | Up to 0.25 m² (price for 1 m²) | 4.328,25 | 195,00 |
| 25.472.1403 | Up to 0.50 m² (price for 1 m²) | 3.413,25 | 146,25 |
| 25.472.1404 | Up to 1.00 m² (price for 1 m²) | 2.721,00 | 97,50 |
| 25.472.1405 | Up to 1.50 m² (price for 1 m²) | 2.468,55 | 97,50 |
| 25.472.1406 | Up to 2.00 m² (price for 1 m²) | 2.341,10 | 48,75 |
| | **Dampers larger than 2 m² shall be in 2 or more groups. In such cases, the Unit Price of the capacity after division shall be applicable.** | | |
| **25.472.1500** | **Sealed aluminum air dampers (Unit: m²).**<br>Installation, including the drive mechanism, galvanized sheet metal frame and any assembly and fixing materials, of the dampers made of aluminum profiles with an aerodynamic structure with minimum resistance to air flow, secured on a drive system with plastic or special alloy aluminum gears mounted on bronze sliding bearings as per the approved project design, with special seals installed on the slots on the damper blades to minimize air leaks. | | |
| 25.472.1501 | Up to 0.10 m² | 7.334,44 | 390,00 |
| 25.472.1502 | Up to 0.25 m² | 5.194,50 | 195,00 |
| 25.472.1503 | Up to 0.50 m² | 3.755,63 | 146,25 |
| 25.472.1504 | Up to 1.00 m² | 3.019,38 | 97,50 |
| 25.472.1505 | Up to 1.50 m² | 2.706,56 | 97,50 |
| 25.472.1506 | Up to 2.00 m² | 2.556,75 | 48,75 |
| | **Dampers larger than 2.00 m² shall be paid in 2 groups.** | | |
| **25.472.2100** | **Fire Damper with Fusible Link (TS EN 15650) (Unit: m², Materials on construction site: 60%)**<br>Supply and installation of fire dampers with fusible link, made of galvanized sheet metal as per the relevant approved project design, connected to the duct with sealing, operating with a link with a fusing point of 72°C, tested for compliance with EN 1366-2 and at min. El 90 S class as per the criteria specified in EN 13501-3 and in compliance with the location of use (horizontal or vertical), in compliance with the Regulation 305/2011/EU on Construction Products, and released with the CE marking. | | |
| 25.472.2101 | Up to 0.10 m² (price for 1 m²) | 13.990,50 | 1.170,00 |
| 25.472.2102 | Up to 0.25 m² (price for 1 m²) | 9.164,25 | 1.170,00 |
| 25.472.2103 | Up to 0.50 m² (price for 1 m²) | 7.456,50 | 1.170,00 |
| 25.472.2104 | Up to 1.00 m² (price for 1 m²) | 5.847,75 | 1.170,00 |
| 25.472.2105 | Up to 1.50 m² (price for 1 m²) | 5.303,25 | 1.170,00 |
| 25.472.2106 | Up to 2.00 m² (price for 1 m²) | 4.981,50 | 1.170,00 |
| 25.472.2107 | Up to 2.50 m² (price for 1 m²) | 4.907,25 | 1.170,00 |
| **25.472.2200** | **Fire Damper with Servo Motor (TS EN 15650) (Unit: m², Materials on construction site: 60%)**<br>Supply and installation with all connections of fire dampers with servo motor, made of galvanized sheet metal as per the relevant approved project design, connected to the duct with sealing, operating with servo motor with an electro-thermal fuse and spring-returned servo motor system, tested for compliance with EN 1366-2 and at min. El 90 S class as per the criteria specified in EN 13501-3 and in compliance with the location of use (horizontal or vertical), in compliance with the Regulation 305/2011/EU on Construction Products, and released with the CE marking. | | |
| 25.472.2201 | Up to 0.10 m² (price for 1 m²) | 44.878,50 | 1.170,00 |
| 25.472.2202 | Up to 0.25 m² (price for 1 m²) | 22.791,88 | 1.170,00 |
| 25.472.2203 | Up to 0.50 m² (price for 1 m²) | 14.911,75 | 1.170,00 |
| 25.472.2204 | Up to 1.00 m² (price for 1 m²) | 10.876,13 | 1.170,00 |
| 25.472.2205 | Up to 1.50 m² (price for 1 m²) | 8.406,63 | 1.170,00 |
| 25.472.2206 | Up to 2.00 m² (price for 1 m²) | 8.302,13 | 1.170,00 |
| 25.472.2207 | Up to 2.50 m² (price for 1 m²) | 8.276,00 | 1.170,00 |
| **25.475.1000** | **GRILLES (Unit: Qty.: Materials on construction site: 60%)** | | |
| **25.475.1100** | **Distribution grille, (two rows of blades)** | | |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Delivery in working order of an aluminum distribution grille coated in desired color, and with min. 22-mm frame, two rows of moving blades, an adjusting mechanism and sealing materials. | | |
| 25.475.1101 | 100- 500 cm² | 171,49 | 48,75 |
| 25.475.1102 | 501-1000 cm² | 322,73 | 97,50 |
| 25.475.1103 | 1001-1600 cm² | 366,59 | 97,50 |
| 25.475.1104 | 1601-2500 cm² | 705,25 | 97,50 |
| 25.475.1105 | 2501-3600 cm² | 856,91 | 97,50 |
| 25.475.1106 | 3601-4500 cm² | 1.011,05 | 97,50 |
| **25.475.1200** | **Collector grille, (one row of blades)**<br>Installation and delivery in working order of an aluminum distribution grille coated in desired color, and with min. 22-mm frame, a single row of moving blades, an adjusting mechanism and sealing materials. | | |
| 25.475.1201 | 100- 500 cm² | 153,69 | 48,75 |
| 25.475.1202 | 501-1000 cm² | 285,60 | 97,50 |
| 25.475.1203 | 1001-1600 cm² | 347,48 | 97,50 |
| 25.475.1204 | 1601-2500 cm² | 483,60 | 97,50 |
| 25.475.1205 | 2501-3600 cm² | 614,78 | 97,50 |
| 25.475.1206 | 3601-4500 cm² | 684,08 | 97,50 |
| **25.475.1300** | **Fixed-blade (linear) grille**<br>Delivery in working order of an aluminum distribution grille coated in desired color, and with min. 22-mm frame, fixed blades and sealing materials. | | |
| 25.475.1301 | Up to 500 cm² | 156,66 | 48,75 |
| 25.475.1302 | Max 1000 cm² | 345,69 | 97,50 |
| 25.475.1303 | Max 1600 cm² | 437,13 | 97,50 |
| 25.475.1304 | Up to 2500 cm² | 640,90 | 97,50 |
| 25.475.1305 | Max 3600 cm² | 847,29 | 97,50 |
| 25.475.1306 | Up to 4500 cm² | 964,85 | 97,50 |
| **25.475.4000** | **Anemostat: (Unit: Qty.)** | | |
| **25.475.4100** | **Aluminum circular anemostat with fixed blade spacing**<br>Installation of an aluminum, circular anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct.<br>Neck Diameter | | |
| 25.475.4101 | Up to 6″ - 15 cm | 320,45 | 48,75 |
| 25.475.4102 | Up to 8″ - 20 cm | 401,44 | 48,75 |
| 25.475.4103 | Up to 10″ - 25 cm | 474,59 | 48,75 |
| 25.475.4104 | Up to 12″ - 30 cm | 539,90 | 48,75 |
| 25.475.4105 | Up to 14″ - 35 cm | 672,25 | 97,50 |
| 25.475.4106 | Up to 16″ - 40 cm | 797,65 | 97,50 |
| 25.475.4107 | Up to 18″ - 45 cm | 862,96 | 97,50 |
| 25.475.4108 | Up to 20″ - 50 cm | 1.043,23 | 97,50 |
| **25.475.4200** | **DKP/Galvanized sheet metal circular anemostat with fixed blade spacing**<br>Installation of an DKP or galvanized steel, circular anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct.<br>Neck Diameter | | |
| 25.475.4201 | Up to 6″ - 15 cm | 279,98 | 48,75 |
| 25.475.4202 | Up to 8″ - 20 cm | 336,13 | 48,75 |
| 25.475.4203 | Up to 10″ - 25 cm | 377,93 | 48,75 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.475.4204 | Up to 12″ - 30 cm | 422,34 | 48,75 |
| 25.475.4205 | Up to 14″ - 35 cm | 572,98 | 97,50 |
| 25.475.4206 | Up to 16″ - 40 cm | 606,94 | 97,50 |
| 25.475.4207 | Up to 18″ - 45 cm | 677,48 | 97,50 |
| 25.475.4208 | Up to 20″ - 50 cm | 700,99 | 97,50 |
| **25.475.4300** | **Flat-blade, Square, Aluminum Anemostat**<br>Installation of an aluminum, square anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct.<br>(The dimensions are approximate, and may differ by up to 10 mm) | | |
| 25.475.4301 | 150 x 150 | 311,55 | 44,25 |
| 25.475.4302 | 225 x 225 | 380,85 | 44,25 |
| 25.475.4303 | 300 x 300 | 480,43 | 56,38 |
| 25.475.4304 | 375 x 375 | 817,03 | 56,38 |
| 25.475.4305 | 450 x 450 | 896,58 | 64,98 |
| 25.475.4306 | 525 x 525 | 1.208,43 | 64,98 |
| 25.475.4307 | 600 x 600 | 1.289,28 | 64,98 |
| **25.475.4400** | **Flat-blade, Steel Sheet, Square Anemostat**<br>Anemostat Installation of a DKP or galvanized sheet metal, square anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct.<br>(The dimensions are approximate, and may differ by up to 10 mm) | | |
| 25.475.4401 | 150 x 150 | 357,26 | 44,25 |
| 25.475.4402 | 225 x 225 | 435,30 | 44,25 |
| 25.475.4403 | 300 x 300 | 530,79 | 56,38 |
| 25.475.4404 | 375 x 375 | 709,78 | 56,38 |
| 25.475.4405 | 450 x 450 | 850,86 | 64,98 |
| 25.475.4406 | 525 x 525 | 1.158,68 | 64,98 |
| 25.475.4407 | 600 x 600 | 1.353,69 | 64,98 |
| **25.475.6000** | **Blower Anemostat/Grille damper**<br>Supply and installation of aluminum or sheet metal damper with opposing blades which shall be coated with electrostatic powder paint, installed in the interior of anemostats or grilles to adjust their air flow, and controlled by an external lever or screw. | | |
| 25.475.6001 | 100- 500 cm² | 107,61 | 24,38 |
| 25.475.6002 | 501- 1000 cm² | 134,90 | 24,38 |
| 25.475.6003 | 1001- 1600 cm² | 176,70 | 24,38 |
| 25.475.6004 | 1601- 2500 cm² | 185,70 | 24,38 |
| 25.475.6005 | 2501- 3600 cm² | 259,66 | 29,25 |
| 25.475.6006 | 3601- 4500 cm² | 266,88 | 29,25 |
| **25.475.6200** | **Absorption Anemostat/Grille damper**<br>Supply and installation of aluminum or sheet metal damper with parallel blades which shall be coated with electrostatic powder paint, installed in the interior of anemostats or grilles to adjust their air flow, and controlled by an external lever or screw. | | |
| 25.475.6201 | 100- 500 cm² | 97,94 | 24,38 |
| 25.475.6202 | 501-1000 cm² | 161,18 | 24,38 |
| 25.475.6203 | 1001-1600 cm² | 191,59 | 29,25 |
| 25.475.6204 | 1601-2500 cm² | 272,76 | 29,25 |
| 25.475.6205 | 2501-3600 cm² | 372,30 | 39,00 |
| 25.475.6206 | 3601-4500 cm² | 519,53 | 48,75 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.475.6500** | **Sailor Anemostat (Unit: Qty.)**<br>Supply to the work site, installation with any installation material, and delivery in working order, of sailor type anemostats made of aluminum o DKP sheet meal by metal spinning method and coated with oven-dried paint, for suction of air in bathrooms and toilets. Supply to the work site, installation with any installation material, and delivery in working order, of sailor type anemostats made of aluminum or DKP sheet meal b method of metal spinning and coated with oven-dried paint, for suction of air. | | |
| 25.475.6501 | Ø100 mm | 129,43 | 24,38 |
| 25.475.6502 | Ø125 mm | 148,41 | 24,38 |
| 25.475.6503 | Ø150 mm | 175,00 | 29,25 |
| 25.475.6504 | Ø200 mm | 258,89 | 29,25 |
| **25.475.7100** | **Linear (Slot) Diffusers (Unit: m)**<br>Linear diffusers made of aluminum as per the approved project, equipped with guide blades on air outlets, min. 20 mm air discharge width between the slots, a plastic sliding damper on the back of the diffuser for adjusting air flow rate, and white oven-dried surface coating. A galvanized sheet metal plenum box shall be present on the back of the linear diffuser, and a hole shall be drilled on the box for connection of the flexible duct. Supply of linear diffusers, installation including any fitting, and delivery in working order. | | |
| 25.475.7101 | Single-slot linear diffuser | 494,88 | 97,50 |
| 25.475.7102 | Two-slot linear diffuser | 686,55 | 97,50 |
| 25.475.7103 | Three-slot linear diffuser | 943,34 | 146,25 |
| 25.475.7104 | Four-slot linear diffuser | 1.172,41 | 146,25 |
| **25.475.7200** | **Swirl diffusers (Unit: qty.)**<br>Supply, and installation in working order of diffusers made of DKP sheet metal for blowing up to 4 meters, phosphatized after surface cleaning, coated with electrostatic powder paint; equipped with plastic blades adjustable to provide optimal blowing form under heating and cooling conditions, a diffuser box made of 0.6-mm galvanized sheet metal, four fasteners for ceiling mount, and a casing with min. 6-mm-thick acoustic insulation inside the casing. | | |
| 25.475.7201 | 300 x 300 mm | 358,95 | 48,75 |
| 25.475.7202 | 400 x 400 mm | 455,75 | 48,75 |
| 25.475.7203 | 500 x 500 mm | 614,50 | 97,50 |
| 25.475.7204 | 600 x 600 mm | 722,30 | 97,50 |
| **25.475.8100** | **LOUVER: (Unit: m², Materials on construction site: 60%).**<br>For installation on grilles, to be manufactured as per the approved detail drawings, complete with a frame, paint, installation, etc. | | |
| 25.475.8101 | Made of galvanized sheet metal | 2.189,50 | 146,25 |
| 25.475.8102 | Made of aluminum | 2.923,75 | 146,25 |
| 25.475.8200 | **CAGE WIRE (Unit: m², Materials on construction site: 60%)**<br>Supply and installation with frame of min. Ø1-mm galvanized wire cage for installation on grilles. | 270,14 | 48,75 |
| **25.475.8300** | **BLINDS (for use in ventilation systems) (Unit: m², Materials on construction site: 60%).**<br>Supply and installation as per the approved project of blinds that allow air flow in a single direction, and stops air flow by its moving blades when the ventilation system does not work. | | |
| 25.475.8301 | Blinds made of galvanized sheet metal | 1.800,65 | 146,25 |
| 25.475.8302 | Aluminum blinds | 2.412,25 | 146,25 |
| **25.480.1000** | **SOUND ABSORBERS: (Unit: m²)** | | |
| 25.480.1100 | **Sound Absorbing, Glass wool thermal-insulated fully flexible ventilation ducts;**<br><br>Supply and installation on site of TSE TS EN 13180-compliant thermal-insulated, semi-flexible ventilation ducts manufactured by wrapping aluminum and polyester-laminated strips on high-tensile steel wire that is twisted in worm shape, with a temperature range of -30 to +150°C, resistant to max. 3000 operating pressure, in compliance with TS EN 13180 with double coupling, which allows an air flow speed of max. 30 m/s, fully flexible with 16 kg/m³ density, jacketed with polyester-laminated aluminum material after being insulated with 2.5-cm glass wool mats, and certified by accredited laboratories to be in fire-retardant and combustion-retardant, as well as to be sound absorbing in compliance with TS EN 13501-1, | 233,35 | 97,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Building Fire Safety Directive; of TS EN 13501-1, Appendix-2/Ç Building Materials Flammability Classification; and Flammability Classification of Building Materials other than Flooring. | | |
| **25.480.1200** | **Splitter-type sound absorbers:**<br>For prevention of the noise caused by air conditioner and ventilation systems, to be installed within the ventilation duct with sliders in the form of rectangular prism, with the gaps and installation made to prevent deformation, and manufactured in compliance with the principles of sound absorption, made up of sound absorbing elements, with absorption elements made of inorganic, non-flammable mineral wool which absorb fan noise and placed at max. 20-cm intervals, with woven surface resistant to moisture and abrasion, with glass wool with 50 kg/m³ density and rock wool with 70 kg/m³ density as filling, with the surface coated with glass tissue that prevents particle abrasions up to 12 m/s. To be braced with galvanized sheet metal with 0.65 mm bending with class A fire-resistant insulation materials in compliance with DIN 4102 norms. 6 visible external surfaces of each slider shall be considered to estimate the area which shall be multiplied with the number of sliders used to calculate the payment. | | |
| 25.480.1201 | 2.5-cm-thick with glass wool of 50 kg/m³ density or rock wool of 70 kg/m³ density | 583,86 | 24,38 |
| 25.480.1202 | 5-cm-thick with glass wool of 50 kg/m³ density or rock wool of 70 kg/m³ density | 789,43 | 24,38 |
| **25.480.1300** | **DUCT INSULATOR (Unit: m², Materials on construction site: 40%)**<br>Insulation of ventilation ducts with the boards with the thickness and specifications stated below, reinforcement of the corners with brackets, surrounding with 0.3 to 0.4-meter gaps, including any material and labor. | | |
| 25.480.1301 | Glass wool board with 2.5 cm thickness and 50 kg/m³ density | 61,13 | 28,13 |
| 25.480.1302 | Glass wool board with 5.0 cm thickness and 50 kg/m³ density | 94,36 | 33,75 |
| 25.480.1303 | Rock wool board with 2.5 cm thickness and 70 kg/m³ density | 74,43 | 28,13 |
| 25.480.1304 | Rock wool board with 5.0 cm thickness and 70 kg/m³ density | 102,48 | 33,75 |
| **25.480.1400** | **External insulation of ducts with glass wool sheets or mattresses, or rock wool sheets coated with aluminum foil on one side: (Unit: m²)**<br>Clearing the dust or impurities on the external surfaces of the ducts, sticking insulation retaining pins with self-adhesive base at 50-cm intervals depending on the duct size if the ducts are sized equivalent to two or more rows, fixing on the pins the factory-made glass wool or rock wool insulation material coated with aluminum foil on one side with the foil-coated side facing outside, placing and tightening the retaining washers on the pins and cutting off the protruding parts of the pins, covering the transverse and longitudinal joints of the boards or mats with 10-cm-wide, special, self-adhesive, reinforced aluminum foil for thermal insulation of the ventilation ducts with aluminum-foil-coated glass wool mats/boards and rock wool boards, produced in compliance with the TS EN 14303 standard and bearing a CE compliance marking, and supply, transportation to the work site, and installation, of the said insulation materials. | | |
| 25.480.1401 | Glass wool mats with 5.0 cm thickness and 24 kg/m³ density | 75,65 | 28,13 |
| 25.480.1402 | Glass wool board with 2.5 cm thickness and 50 kg/m³ density | 63,28 | 22,50 |
| 25.480.1403 | Glass wool board with 3.0 cm thickness and 50 kg/m³ density | 67,00 | 22,50 |
| 25.480.1404 | Glass wool board with 4.0 cm thickness and 50 kg/m³ density | 84,25 | 28,13 |
| 25.480.1405 | Glass wool board with 5.0 cm thickness and 50 kg/m³ density | 116,04 | 28,13 |
| 25.480.1406 | Rock wool board with 2.5 cm thickness and 70 kg/m³ density | 73,19 | 22,50 |
| 25.480.1407 | Rock wool board with 3.0 cm thickness and 70 kg/m³ density | 74,51 | 22,50 |
| 25.480.1408 | Rock wool board with 4.0 cm thickness and 70 kg/m³ density | 94,75 | 28,13 |
| 25.480.1409 | Rock wool board with 5.0 cm thickness and 70 kg/m³ density | 120,13 | 28,13 |
| **25.480.1500** | **Insulation of ducts with rubber foam insulation material (Unit: m²)**<br>Supply, transportation to the work site, and installation, of elastomeric rubber insulation material, produced in compliance with the TS EN 14304 standard, bearing a CE compliance marking, with ≥ 0.040W/(m.K) heat conductivity (0ºC), μ ≥ 7,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least B, s3-d0, clearing the corrosion, dust and impurities on the duct surface to be insulated and coating it with two layers of red lead paint, applying the adhesive developed specifically for rubber foam, wrapping the transverse joints with elastomeric rubber, self-adhesive tape, blocking the thermal bridges that may occur the parts of the installation that should be supported with suspension systems and applying additional elastomeric rubber foam between the material and suspension bars to ensure continuity of the insulation, and applying two layers of UV protection coating manufactured specifically to protect against external factors (if no metal sheet coating will be applied on the insulation material to protect it against external factors) (excluding the cost of the red lead paint, UV protection coating and suspension bars). | | |

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| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| | Note: Additional coating materials shall be charged per the relevant items.<br>Thickness | | | |
| 25.480.1501 | 9-mm Sheet | | 85,28 | 30,94 |
| 25.480.1502 | 13-mm Sheet | | 105,65 | 30,94 |
| 25.480.1503 | 19-mm Sheet | | 137,98 | 33,75 |
| 25.480.1504 | 25-mm Sheet | | 172,21 | 33,75 |
| 25.480.1505 | 32-mm Sheet | | 240,54 | 39,38 |
| 25.480.1506 | 40-mm Sheet | | 342,43 | 39,38 |
| 25.480.1507 | 50-mm Sheet | | 392,06 | 39,38 |
| **25.480.1600** | **Insulation of interior and exterior ducts with Composite Film Coated Rubber Foam Insulation Boards, with a total thickness of 250 microns and above (Unit :m²)**<br>Supply, transportation to the work site, and installation, of the insulation materials factory-coated with Aluminum Composite Film with a total thickness of 250 microns on top of an elastomeric rubber foam insulation board, produced in compliance with the TS EN 14304 standard, bearing a CE compliance marking, with ≤ 0.040W/(m.K) heat conductivity (0ºC), μ ≥ 7,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least B, s3-d0, clearing the corrosion, dust and impurities on the duct surface to be insulated, coating the bottom, side and top surfaces in this order and attaching the edges after applying the adhesive developed specifically for the boards to be fixed on the duct surface, then sealing the joints that may form along the duct with 50-mm-wide.<br>Sheet width / Wall thickness | | | |
| 25.480.1601 | 1000 | 9 mm | 167,60 | 33,75 |
| 25.480.1602 | 1000 | 13 mm | 187,91 | 33,75 |
| 25.480.1603 | 1000 | 19 mm | 218,06 | 36,56 |
| 25.480.1604 | 1000 | 25 mm | 253,13 | 36,56 |
| 25.480.1605 | 1000 | 32 mm | 315,68 | 42,19 |
| 25.480.1606 | 1000 | 40 mm | 389,30 | 42,19 |
| 25.480.1607 | 1000 | 50 mm | 461,84 | 42,19 |
| **25.480.1700** | **Thermal Insulation with Polyethylene Foam-Based Prefabricated Boards (Unit: m².)**<br>Supply, transportation to the work site, and installation, of the insulation materials insulated with uncoated polyethylene foam, produced in compliance with the TS EN 14313 standard, bearing a CE compliance marking, with ≥ 0.050W/(m.K) heat conductivity (0ºC), μ ≥3,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least E, clearing the corrosion, dust and impurities on the duct surface to be insulated and applying the insulation material after putting the special liquid adhesive on both the polyethylene thermal insulation board and the external surfaces of the duct with a density of 250 g/m², then attaching the joints with self-adhesive aluminum foil tape or yarn-reinforced PVC tape, applying additional polyethylene foam insulation boards in the gap between the material and suspension bars to prevent thermal bridges where the installation must be supported with suspension systems, and applying two layers of UV protection coating manufactured specifically to protect against external factors (if no metal sheet coating will be applied on the insulation material for outdoor use of polyethylene foam-based thermal insulation boards) (excluding the cost of UV protection coating and suspension bars).<br>Note: Additional coating materials shall be charged per the relevant items.<br>Wall Thickness | | | |
| 25.480.1701 | 10 mm | | 43,35 | 30,94 |
| 25.480.1702 | 15 mm | | 57,20 | 30,94 |
| 25.480.1703 | 20 mm | | 70,21 | 33,75 |
| 25.480.1704 | 30 mm | | 99,70 | 33,75 |
| **25.480.1750** | **Thermal Insulation with Polyethylene Foam-Based Prefabricated Boards Coated with Aluminum Foil on One Side (Unit: m².)**<br>Supply, transportation to the work site, and installation, of the insulation materials insulated with polyethylene foam coated with aluminum foil on one side with a total thickness of at least 25 microns, produced in compliance with the TS EN 14313 standard, bearing a CE compliance | | | |

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| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| | marking, with ≥ 0.050W/(m.K) heat conductivity (0ºC), μ ≥ 3,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least E, clearing the corrosion, dust and impurities on the duct surface to be insulated and applying the insulation material after putting the special liquid adhesive on both the polyethylene thermal insulation board and the external surfaces of the duct with a density of 250 g/m², then attaching the joints with self-adhesive polyethylene tape, and applying additional polyethylene foam insulation boards in the gap between the material and suspension bars to prevent thermal bridges where the installation must be supported with suspension systems.<br>Wall Thickness | | | |
| 25.480.1751 | 10 mm | | 58,78 | 33,75 |
| 25.480.1752 | 15 mm | | 68,59 | 33,75 |
| 25.480.1753 | 20 mm | | 81,96 | 36,56 |
| 25.480.1754 | 30 mm | | 106,09 | 36,56 |
| **25.480.1800** | **Insulation of interior ducts with Aluminum Foil Film Coated Rubber Foam Insulation Boards, with a total thickness of 50-100 microns (Unit: m²)**<br>Supply, transportation to the work site, and installation, of the insulation materials laminated with Aluminum Composite Film with a total thickness of 50-100 microns on top of an elastomeric rubber foam insulation board, produced in compliance with the TS EN 14313 standard, bearing a CE compliance marking, with ≥ 0.040W/(m.K) heat conductivity (0ºC), μ ≥ 7,000 water vapor diffusion resistance coefficient, and a reaction to fire class of at least B, s3-d0, clearing the corrosion, dust and impurities on the duct surface to be insulated, coating the bottom, side and top surfaces in this order and attaching the edges after applying the adhesive developed specifically for the boards to be fixed on the duct surface, then sealing the joints that may form along the duct with 50-mm-wide.<br>Note : For external use, a metal sheet coating shall be applied on the insulation material to protect it from external factors and its payment shall be made on item 25.400.9000.<br>Sheet width Wall thickness | | | |
| 25.480.1801 | 1000 | 9 | 133,44 | 33,75 |
| 25.480.1802 | 1000 | 13 | 154,75 | 33,75 |
| 25.480.1803 | 1000 | 19 | 187,54 | 36,56 |
| 25.480.1804 | 1000 | 25 | 231,40 | 36,56 |
| 25.480.1805 | 1000 | 32 | 300,14 | 42,19 |
| 25.480.1806 | 1000 | 40 | 382,50 | 42,19 |
| 25.480.1807 | 1000 | 50 | 453,59 | 42,19 |
| **25.480.1850** | **Insulation of exterior ducts with Elastomeric Rubber Foam Insulation Boards coated with aluminum, with a total thickness of 300 microns and above:**<br>Supply, transportation to the work site, and installation, of the insulation materials coated with aluminum foil with a total thickness of 300 microns and above; with (0°C) λ ≤ 0.40 W/mK (EN 12667 - DIN 52612) heat conductivity, μ≥7,000 (EN 12086 - DIN 52615) water vapor diffusion resistance coefficient, fire reaction classºC as per TS EN 13501-1, 40-75 kg/m³ average density, at least 90% closed cell; and applying thermal insulation on cold and warm surfaces at -60 to +85°C with flexible elastomeric rubber foam manufactured by extrusion method, clearing the corrosion, dust and impurities on the duct surface to be insulated, coating the bottom, side and top surfaces in this order and attaching the edges after applying the adhesive developed specifically for the boards to be fixed on the duct surface, then sealing the joints that may form along the duct with 140-micron-thick and 35/50-mm-wide, self-adhesive aluminum tape, and applying insulation on any valve, dirt traps, check valves, valve actuators, and similar other equipment with special adhesive material and self-adhesive aluminum tape. Insulation materials shall be in compliance with the Regulation 305/2011/AB on Construction Materials and bear a CE compliance marking.<br>NOTE: UV-resistant paint shall not be used due to the UV-resistant aluminum foil lining.<br>The fire class as well as m and l values shall be proven with test reports.<br>Sheet Width (mm)Wall thickness (mm) | | | |
| 25.480.1851 | 1000 | 10 | 197,29 | 33,75 |
| 25.480.1852 | 1000 | 13 | 214,29 | 33,75 |
| 25.480.1853 | 1000 | 19 | 234,98 | 36,56 |
| 25.480.1854 | 1000 | 25 | 268,94 | 36,56 |

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| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 25.480.1855 | 1000 | 32 | 315,68 | 42,19 |
| 25.480.1856 | 1000 | 40 | 387,18 | 42,19 |
| 25.480.1857 | 1000 | 50 | 430,08 | 42,19 |
| **25.480.2000** | **ACOUSTIC INSULATION (Unit: m², Materials on construction site: 40%).**<br>Insulation of the interior parts with insulation material as specified in the type detail drawings for sound absorption of the ducts that are indicated for acoustic insulation in the relevant project, including any material and labor required for application. | | | |
| **25.480.2100** | **Interior sound insulation of the ducts with glass wool mats, glass wool boards or rock wool boards factory-coated with acrilan or glass tissue: (Unit: m².)**<br>Clearing dust, grease and impurities from the internal surfaces of the ducts, attaching the insulation retaining pins with self-adhesive base at 50-cm intervals along the duct in two or more rows depending on its width, fixing glass wool mats and one side covered with fabricated acrilan or glass wool boards and one side covered with glass tissue or rock wool boards, with the surface covered with acrilan or glass tissue facing inside, installing retaining washers on pins and cutting the protruding parts of the pins for sound absorption of the ducts produced in compliance with the TS EN 14303 standard, bearing a CE compliance marking, and to be acoustically insulated as per the relevant project, and supply, transportation to the work site, and installation, of the said insulation materials. | | | |
| 25.480.2101 | Glass wool mattress with 1.5 cm thickness and 24 kg/m³ density coated with acrilan | | 46,24 | 25,31 |
| 25.480.2102 | Glass wool mattress with 2.5 cm thickness and 24 kg/m³ density coated with acrilan | | 54,01 | 25,31 |
| 25.480.2103 | Glass wool board with 2.5 cm thickness and 50 kg/m³ density coated with glass tissue | | 62,50 | 25,31 |
| 25.480.2104 | Glass wool board with 3.0 cm thickness and 50 kg/m³ density coated with glass tissue | | 76,40 | 28,13 |
| 25.480.2105 | Glass wool board with 5.0 cm thickness and 50 kg/m³ density coated with glass tissue | | 115,64 | 30,94 |
| 25.480.2106 | Rock wool board with 2.5 cm thickness and 70 kg/m³ density coated with glass tissue | | 78,86 | 25,31 |
| 25.480.2107 | Rock wool board with 5.0 cm thickness and 70 kg/m³ density coated with glass tissue | | 84,49 | 30,94 |
| **25.480.2200** | **Sound insulation with polyurethane acoustic foam board (Unit: m², Materials on construction site: 40%)**<br>Clearing dust, grease and impurities from the internal surfaces of the ducts; supply to the work site and installation of flame-retarding, self-extinguishing polyurethane foam boards selected to be compatible with the duct section and air flow rate, with 75 to 100 kg/m³ density, fire reaction class C as per TS EN 13501-1+A1, and thermal conductivity coefficient λ (40°C) ≤ 0.040 W/mK, uniformly on the internal wall of the duct after applying the adhesive mixed with thinner on the internal surfaces of the ducts with a density of 0.5 liter per square meter, for acoustic insulation of ventilation ducts that will be acoustically insulated as per the relevant project.<br>Note: The fire resistance values as well as λ values shall be proven with test reports. Insulation thickness | | | |
| 25.480.2201 | 6 mm | | 66,29 | 33,75 |
| 25.480.2202 | 10 mm | | 116,09 | 36,56 |
| 25.480.2203 | 15 mm | | 174,20 | 36,56 |
| 25.480.2204 | 20 mm | | 237,79 | 39,38 |
| 25.480.2205 | 25 mm | | 297,80 | 42,19 |
| **25.485.1000** | **FAN COIL UNITS (Unit: Qty.)**<br>They shall operate with dynamically and statically balanced centrifugal radial fans with densely positioned blades driven by 220 V, 50 Hz. single or double-shaft, three-speed electric motors, which can be used for heating and cooling. They shall be equipped with cleanable filters for air suction. Coils shall be manufactured by the principle that copper pipes are inflated mechanically with aluminum fins firmly mounted to form close mechanical bonds. A drainage tray and connection to collect the condensate shall be present below the coil, and the parts that contact the condensate shall be protected against corrosion and insulated to improve acoustic and thermal performance. Fan-coil units shall be supplied and delivered in working order with all connections made as per the relevant approved project.<br>NOTE: The heat provided with 18 to 20°C air input and 90/70°C water shall be taken as basis for the device capacity. | | | |
| **25.485.1100** | **Cassette Type Fan Coil Unit** | | | |
| 25.485.1101 | 3,000 kcal/h | | 6.822,94 | 255,94 |
| 25.485.1102 | 4,000 kcal/h | | 7.443,75 | 255,94 |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.485.1103 | 5,000 kcal/h | 7.896,26 | 255,94 |
| 25.485.1104 | 6,000 kcal/h | 8.643,89 | 325,00 |
| 25.485.1105 | 7,000 kcal/h | 10.017,10 | 325,00 |
| 25.485.1106 | 8,000 kcal/h | 11.202,63 | 325,00 |
| 25.485.1107 | 10,000 kcal/h | 12.336,18 | 325,00 |
| 25.485.1108 | 12,500 kcal/h | 14.605,10 | 394,06 |
| 25.485.1109 | 15,000 kcal/h | 16.115,26 | 394,06 |
| 25.485.1110 | 17,500 kcal/h | 19.312,96 | 394,06 |
| 25.485.1111 | 20,000 kcal/h | 20.585,94 | 394,06 |
| **25.485.1200** | **Concealed Ceiling/Floor Type Fan Coil Unit** | | |
| 25.485.1201 | 3,000 kcal/h | 5.577,50 | 325,00 |
| 25.485.1202 | 4,000 kcal/h | 5.935,00 | 325,00 |
| 25.485.1203 | 5,000 kcal/h | 6.540,00 | 325,00 |
| 25.485.1204 | 6,000 kcal/h | 7.475,31 | 394,06 |
| 25.485.1205 | 7,000 kcal/h | 7.654,06 | 394,06 |
| 25.485.1206 | 8,000 kcal/h | 7.874,06 | 394,06 |
| 25.485.1207 | 10,000 kcal/h | 9.001,56 | 394,06 |
| 25.485.1208 | 12,500 kcal/h | 10.136,56 | 442,81 |
| 25.485.1209 | 15,000 kcal/h | 10.892,81 | 442,81 |
| 25.485.1210 | 17,500 kcal/h | 11.896,56 | 442,81 |
| 25.485.1211 | 20,000 kcal/h | 12.762,81 | 442,81 |
| **25.485.1300** | **Cassette Type Fan Coil Unit that blows air in four directions**<br>The drain pump to be used to drain the water collecting in the device tray shall be within the device and capable of operating up to a pump head of 500 mm. The fan coils shall have a high-quality galvanized steel enclosure. The maximum device height shall be 300 mm to allow installation at narrow heights of suspended ceiling. The rest of the device specifications are given in the item 25.485.1000. | | |
| 25.485.1301 | 4,000 kcal/h | 18.950,75 | 325,00 |
| 25.485.1302 | 5,000 kcal/h | 18.992,41 | 325,00 |
| 25.485.1303 | 6,000 kcal/h | 19.352,80 | 325,00 |
| 25.485.1304 | 7,000 kcal/h | 19.711,71 | 394,06 |
| 25.485.1305 | 8,000 kcal/h | 19.916,31 | 394,06 |
| 25.485.1306 | 10,000 kcal/h | 22.122,64 | 394,06 |
| 25.485.1307 | 12,500 kcal/h | 25.818,64 | 394,06 |
| 25.485.1308 | 15,000 kcal/h | 30.502,38 | 442,81 |
| 25.485.1309 | 17,500 kcal/h | 30.503,61 | 442,81 |
| 25.485.1310 | 20,000 kcal/h | 36.922,39 | 442,81 |
| **25.485.2000** | **Four-tube Fan Coil Units**<br>Other specifications shall be the same as the fan coil types in the item 25.485.1000 with the unit prices including installatio of the relevant item increased by 20 percent and installation fees remaining the same. | | |
| **25.485.7000** | **Fan Coil Hose Set (Unit :Qty.)**<br>Supply to the worksite and installation of a flexible metal hose in compliance with the PN10 pressure class for non-braided types, and in compliance with the PN16 pressure class for braided types, with hose and braid made of AISI304 stainless steel, installed in consideration of the connection point, fancoil valve and even the point of installation, made of nickel-plated carbon steel, with bushes or nipple plugs, min. 9 mm rubber insulation for preventing heat losses, plastic casings at the insulation ends, and in compliance with TSE EN 10380. | | |
| **25.485.7100** | **Unbraided Fan Coil Hose Set** | | |
| 25.485.7101 | 1/2" size, Unbraided, 30 - 49 cm long | 128,75 | 39,38 |
| 25.485.7102 | 1/2" size, Unbraided, 50 - 69 cm long | 146,63 | 39,38 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.485.7103 | 1/2" size, Unbraided, 70 - 90 cm long | 164,50 | 39,38 |
| 25.485.7104 | 3/4" size, Unbraided, 30 - 49 cm long | 199,25 | 56,25 |
| 25.485.7105 | 3/4" size, Unbraided, 50 - 69 cm long | 217,13 | 56,25 |
| 25.485.7106 | 3/4" size, Unbraided, 70 - 90 cm long | 235,00 | 56,25 |
| 25.485.7107 | 1" size, Unbraided, 30 - 49 cm long | 273,06 | 67,50 |
| 25.485.7108 | 1" size, Unbraided, 50 - 69 cm long | 308,81 | 67,50 |
| 25.485.7109 | 1" size, Unbraided, 70 - 90 cm long | 335,63 | 67,50 |
| **25.485.7200** | **Braided Fan Coil Hose Set** | | |
| 25.485.7201 | 1/2" size, Braided, 30 - 49 cm long | 200,25 | 39,38 |
| 25.485.7202 | 1/2" size, Braided, 50 - 69 cm long | 236,00 | 39,38 |
| 25.485.7203 | 1/2" size, Braided, 70 - 90 cm long | 271,75 | 39,38 |
| 25.485.7204 | 3/4" size, Braided, 30 - 49 cm long | 270,75 | 56,25 |
| 25.485.7205 | 3/4" size, Braided, 50 - 69 cm long | 306,50 | 56,25 |
| 25.485.7206 | 3/4" size, Braided, 70 - 90 cm long | 342,25 | 56,25 |
| 25.485.7207 | 1" size, Braided, 30 - 49 cm long | 362,44 | 67,50 |
| 25.485.7208 | 1" size, Braided, 50 - 69 cm long | 407,13 | 67,50 |
| 25.485.7209 | 1" size, Braided, 70 - 90 cm long | 451,81 | 67,50 |
| **25.490.0000** | **AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (Unit: Qty.)**<br>Supply, installation, delivery in working order of air conditioning systems with variable coolant flow rate which allows connection of multiple (cassette, ceiling, duct, floor, wall types, etc.) internal units in an external unit as per the approved project, and which can perform cooling, and heating as a heat pump. Each external unit shall determine the amount of coolant required for the location of each internal unit connected to it, change the amount of coolant to be sent to the system depending on the data acquired by the signal to be sent to perform capacity check; while internal units shall perform capacity check by electronic expansion valves, external units shall determine the amount of coolant required by the signals that they receive from the internal units and send coolant to the system at variable flow rates by means of a microprocessor board, and the coolant to be used in the system shall be ozone-friendly R410 A. The item shall be delivered in working order, including filling the entire system with the coolant gas. Draining pipes shall be charged per the relevant piping items, the power panel and power and signal cables shall be charged per the unit prices of electricity works. | | |
| **25.490.1000** | **EXTERNAL UNIT OR GROUP OF EXTERNAL UNITS (Unit: Qty. )**<br>Supply of external units with air-cooled condensers, DC inverter compressors, and min. 3.2 EER (Energy Efficiency Ratio) and 3.4 COP value, which allow connection of internal units of various capacities and types with branch parts on a single line for individual liquid and gas lines from the external units or groups of external units; pressurizing of the units with nitrogen after the connections of pipes and power wires, and delivery in working order, including filling of coolant gas in the entire system.<br>- Nominal capacity and efficiency: Cooling: Interior: 27 C KT/19 C YT, Exterior: 35 CKT/24 CYT; Heating: Interior: 20°C KT/15 C YT Exterior: 7 CKT/6 CYT, pipe length: 7.5 m and elevation difference: 0 m.<br>- External units shall be raised gradually to 25 bar pressure with N2 (Nitrogen) gas after installation and tested for at least 24 hours under this pressure. | | |
| **25.490.1100** | **FULLY FREQUENCY-CONTROLLED COMPRESSOR EXTERNAL UNIT OR EXTERNAL UNIT GROUP (Unit: Qty.)**<br>External unit or external unit group with air-cooled condenser, all compressors DC inverter compressor with frequency control, and with the rest of the specifications in compliance with the item 25.490.1000. | | |
| 25.490.1101 | Cooling capacity (nom): 22 kW, Heating capacity (nom): 24 kW. | 101.449,81 | 1.832,44 |
| 25.490.1102 | Cooling capacity (nom): 27 kW, Heating capacity (nom): 31 kW. | 107.241,19 | 1.564,19 |
| 25.490.1103 | Cooling capacity (nom): 33 kW, Heating capacity (nom): 37 kW. | 122.706,31 | 1.799,81 |
| 25.490.1104 | Cooling capacity (nom): 39 kW, Heating capacity (nom): 44 kW. | 135.633,19 | 2.035,44 |
| 25.490.1105 | Cooling capacity (nom): 44 kW, Heating capacity (nom): 49 kW. | 149.164,56 | 2.035,44 |
| 25.490.1106 | Cooling capacity (nom): 50 kW, Heating capacity (nom): 56 kW. | 163.392,25 | 2.624,50 |
| 25.490.1107 | Cooling capacity (nom): 55 kW, Heating capacity (nom): 62 kW. | 181.732,00 | 2.624,50 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.490.1108 | Cooling capacity (nom): 61 kW, Heating capacity (nom): 68 kW. | 202.881,38 | 2.860,13 |
| 25.490.1109 | Cooling capacity (nom): 66 kW, Heating capacity (nom): 74 kW. | 218.611,38 | 2.860,13 |
| 25.490.1110 | Cooling capacity (nom): 73 kW, Heating capacity (nom): 82 kW. | 232.923,63 | 3.229,88 |
| 25.490.1111 | Cooling capacity (nom): 78 kW, Heating capacity (nom): 87 kW. | 263.607,69 | 3.347,69 |
| 25.490.1112 | Cooling capacity (nom): 84 kW, Heating capacity (nom): 94 kW. | 274.051,30 | 3.423,80 |
| 25.490.1113 | Cooling capacity (nom): 89 kW, Heating capacity (nom): 99 kW. | 290.256,61 | 3.541,61 |
| 25.490.1114 | Cooling capacity (nom): 94 kW, Heating capacity (nom): 105 kW. | 311.584,74 | 3.777,24 |
| 25.490.1115 | Cooling capacity (nom): 100 kW, Heating capacity (nom): 112 kW. | 320.579,11 | 4.012,86 |
| 25.490.1116 | Cooling capacity (nom): 105 kW, Heating capacity (nom): 115 kW. | 339.229,61 | 4.252,11 |
| 25.490.1117 | Cooling capacity (nom): 110 kW, Heating capacity (nom): 120 kW. | 357.336,18 | 4.841,18 |
| 25.490.1118 | Cooling capacity (nom): 115 kW, Heating capacity (nom): 130 kW. | 373.598,36 | 5.194,61 |
| 25.490.1119 | Cooling capacity (nom): 120 kW, Heating capacity (nom): 135 kW. | 397.668,23 | 5.669,48 |
| 25.490.1120 | Cooling capacity (nom): 129 kW, Heating capacity (nom): 140 kW. | 416.436,98 | 5.669,48 |
| 25.490.1121 | Cooling capacity (nom): 134 kW, Heating capacity (nom): 149 kW. | 427.572,29 | 6.258,54 |
| **25.490.2000** | **INTERNAL UNITS (Unit: Qty.)**<br>Delivery in working order of the internal units with the following types and capacities, diffusers that diffuse air, protection fuses to protect fan motors from overheat, a microprocessor thermostat for temperature control, and a washable long-lasting filter, which can be controlled by a central controller, with all coolants filled and condensation connections made. - Internal units shall be raised gradually to 25 bar pressure with N2 (Nitrogen) gas after installation and tested for at least 24 hours under this pressure. (The capacities are in ranges and include the values up to the upper capacities.) | | |
| **25.490.2100** | **Wall-mounted Interior Unit**<br>Installation of interior units that can be used wall-mounted, and direct air up/down, left/right by guide blades. | | |
| 25.490.2101 | Cooling capacity (nom): 2 - 2.5 kW, Heating capacity (nom): 2.5 - 3 kW | 12.220,06 | 958,81 |
| 25.490.2102 | Cooling capacity (nom): 2.5 - 3 kW, Heating capacity (nom): 3 - 3.5 kW | 12.467,56 | 958,81 |
| 25.490.2103 | Cooling capacity (nom): 3 - 4 kW, Heating capacity (nom): 3.5 - 4.5 kW. | 12.913,06 | 958,81 |
| 25.490.2104 | Cooling capacity (nom): 4 - 5.5 kW, Heating capacity (nom): 4.5 - 6 kW. | 13.492,69 | 1.092,94 |
| 25.490.2105 | Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-7.5 kW. | 14.259,94 | 1.092,94 |
| 25.490.2106 | Cooling capacity (nom): 7 - 9 kW, Heating capacity (nom): 7.5 - 10 kW. | 15.150,94 | 1.092,94 |
| **25.490.2200** | **Cassette-type Interior Unit**<br>Installation and delivery in working order of cassette-type internal units which can be used as suspended to suspended ceiling gaps, guides air upwards/downwards and to left/right by guide blades, blow air in two or four directions as per the project. - The unit shall be equipped with a drainage pump that can pump up to min. 50 cm high (from the base of the device) as standard equipment. | | |
| 25.490.2201 | Cooling capacity (nom): 2 - 2.5 kW, Heating capacity (nom): 2.5 - 3 kW | 11.188,81 | 958,81 |
| 25.490.2202 | Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW. | 11.947,81 | 958,81 |
| 25.490.2203 | Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW. | 12.723,31 | 958,81 |
| 25.490.2204 | Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW. | 13.086,31 | 958,81 |
| 25.490.2205 | Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-8.5 kW. | 13.713,31 | 958,81 |
| 25.490.2206 | Cooling capacity (nom): 7 - 7.5 kW, Heating capacity (nom): 7.5 - 8.5 kW. | 14.969,44 | 1.092,94 |
| 25.490.2207 | Cooling capacity (nom): 7.5 - 9 kW, Heating capacity (nom): 8.5 - 9.5 kW. | 16.388,44 | 1.092,94 |
| 25.490.2208 | Cooling capacity (nom): 9.0 - 11 kW, Heating capacity (nom): 9.9 - 12 kW. | 16.470,94 | 1.092,94 |
| 25.490.2209 | Cooling capacity (nom): 11 - 12 kW, Heating capacity (nom): 12 - 13 kW. | 18.104,44 | 1.092,94 |
| 25.490.2210 | Cooling capacity (nom): 12 - 14 kW, Heating capacity (nom): 13 - 16 kW. | 19.160,44 | 1.092,94 |
| 25.490.2211 | Cooling capacity (nom): 14 - 16 kW, Heating capacity (nom): 16 - 19 kW. | 19.506,94 | 1.092,94 |
| **25.490.2300** | **Duct-type Interior Unit**<br>Installation and delivery in working order of internal units with 30 Pa static air pressure outside the device, which allow connection of ducts. | | |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.490.2301 | Cooling capacity (nom): 1.5 - 2 kW, Heating capacity (nom): 1.9 - 2.5 kW. | 9.109,81 | 958,81 |
| 25.490.2302 | Cooling capacity (nom): 2 - 2.5 kW, Heating capacity (nom): 2.5 - 3 kW | 9.395,81 | 958,81 |
| 25.490.2303 | Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW. | 9.717,56 | 958,81 |
| 25.490.2304 | Cooling capacity (nom): 3 - 4 kW, Heating capacity (nom): 3.5 - 4.5 kW. | 10.200,19 | 958,81 |
| 25.490.2305 | Cooling capacity (nom): 4 - 5.5 kW, Heating capacity (nom): 4.5 - 6 kW. | 10.638,19 | 1.092,94 |
| 25.490.2306 | Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-7.5 kW. | 11.120,81 | 1.092,94 |
| 25.490.2307 | Cooling capacity (nom): 7 - 9 kW, Heating capacity (nom): 7.5 - 10 kW. | 11.943,06 | 1.092,94 |
| **25.490.2400** | **Duct-type Interior Unit with High Static Pressure**<br>Installation and delivery in working order of internal units with 80 Pa static air pressure outside the device, which allow connection of ducts. | | |
| 25.490.2401 | Cooling capacity (nom): 2 - 2.5 kW, Heating capacity (nom): 2.5 - 3 kW | 11.980,81 | 958,81 |
| 25.490.2402 | Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW. | 12.112,81 | 958,81 |
| 25.490.2403 | Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW. | 12.211,81 | 958,81 |
| 25.490.2404 | Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW. | 12.574,81 | 958,81 |
| 25.490.2405 | Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-7.5 kW. | 13.465,81 | 958,81 |
| 25.490.2406 | Cooling capacity (nom): 7 - 7.5 kW, Heating capacity (nom): 7.5 - 8.5 kW. | 14.243,44 | 1.092,94 |
| 25.490.2407 | Cooling capacity (nom): 7.5 - 9 kW, Heating capacity (nom): 8.5 - 9.9 kW. | 15.959,44 | 1.092,94 |
| 25.490.2408 | Cooling capacity (nom): 9.0 - 11 kW, Heating capacity (nom): 9.9 - 12 kW. | 16.173,94 | 1.092,94 |
| 25.490.2409 | Cooling capacity (nom): 11 - 12 kW, Heating capacity (nom): 12 - 13 kW. | 17.741,44 | 1.092,94 |
| 25.490.2410 | Cooling capacity (nom): 12 - 14 kW, Heating capacity (nom): 13 - 16 kW. | 18.450,94 | 1.092,94 |
| 25.490.2411 | Cooling capacity (nom): 14 - 16 kW, Heating capacity (nom): 16 - 19 kW. | 19.853,44 | 1.092,94 |
| **25.490.2500** | **Ceiling-mounted Interior Unit**<br>Installation and delivery in working order of ceiling-mounted interior units that can be used as ceiling-mounted | | |
| 25.490.2501 | Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW. | 14.769,31 | 958,81 |
| 25.490.2502 | Cooling capacity (nom): 4 - 5 kW, Heating capacity (nom): 4.5 - 6 kW. | 15.883,06 | 958,81 |
| 25.490.2503 | Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-8.5 kW. | 16.724,56 | 958,81 |
| 25.490.2504 | Cooling capacity (nom): 7 - 9 kW, Heating capacity (nom): 8.5 - 10 kW. | 18.071,44 | 1.092,94 |
| **25.490.2600** | **Floor-type Interior Unit with Cabinet**<br>Installation and delivery in working order of floor-mounted interior units with cabinets, which can be used as ceiling-mounted | | |
| 25.490.2601 | Cooling capacity (nom): 2.2 - 2.8 kW, Heating capacity (nom): 2.5 - 3 kW | 12.013,81 | 958,81 |
| 25.490.2602 | Cooling capacity (nom): 2.8 - 3 kW, Heating capacity (nom): 3 - 3.5 kW | 12.178,81 | 958,81 |
| 25.490.2603 | Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW. | 12.244,81 | 958,81 |
| 25.490.2604 | Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW. | 12.558,31 | 958,81 |
| 25.490.2605 | Cooling capacity (nom): 5.5-7.5 kW, Heating capacity (nom): 6-8 kW. | 13.203,94 | 1.092,94 |
| **25.490.2700** | **Non-cabinet/Hidden Floor-type Interior Unit without**<br>Installation and delivery in working order of floor-mounted interior units without cabinets | | |
| 25.490.2701 | Cooling capacity (nom): 2.2 - 2.8 kW, Heating capacity (nom): 2.5 - 3 kW | 9.456,31 | 958,81 |
| 25.490.2702 | Cooling capacity (nom): 2.8 - 3 kW, Heating capacity (nom): 3 - 3.5 kW | 10.033,81 | 958,81 |
| 25.490.2703 | Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW. | 11.023,81 | 958,81 |
| 25.490.2704 | Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW. | 11.353,81 | 958,81 |
| 25.490.2705 | Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-8 kW. | 12.422,94 | 1.092,94 |
| **25.490.5100** | **REMOTE CONTROLLERS FOR AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (UNIT: QTY.)** | | |
| 25.490.5101 | **Wired Remote Control**<br>Supply, installation and delivery in working order of a control device that controls all functions of the interior unit by a cable connected to it. | 1.303,29 | 58,91 |
| 25.490.5102 | **Wireless Remote Control and Sensor** | 2.060,91 | 58,91 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Supply, installation and delivery in working order of a control device with a sensor, which controls all functions of the interior unit without a cable connection. | | |
| **25.490.5200** | **CENTRAL CONTROLLERS FOR AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (UNIT: QTY.)**<br>The central controller device which can control all internal units of the systems with internal units and can be connected by a cable to the system communication signal line of the central controller system, control all individual functions of all internal units, have a timer programmer, restrict the use of the internal units on the system and be equipped with a liquid crystal display that provides information about the system failures. Connection and delivery in working order of the central controller. | | |
| 25.490.5201 | Up to 50 internal units | 18.027,38 | 1.178,13 |
| 25.490.5202 | Up to 100 internal units | 37.498,75 | 1.178,13 |
| **25.490.8100** | **COPPER PIPING SYSTEM FOR AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (Unit: Qty.)**<br>Made of copper pipes manufactured as per TS EN 12449 with the ends of the pipes inspected against moisture and dust, welding shall be performed with silver-copper alloy under N2 (Nitrogen) to avoid oxidation. Carrier clamps at 1-meter intervals shall be used in the piping. Interior of the pipes shall be cleaned with N2 (Nitrogen) gas before the copper piping is completed and the system is commissioned. - Copper pipe installation shall be raised gradually to 41.5 bar pressure with N2 (Nitrogen) gas after installation and tested for at least 24 hours under this pressure. Installation of piping, testing and commissioning with fasteners as insulated with rubber, elastomeric rubber foam or polyethylene with minimum thickness values specified below, for use with the piping of Air Conditioning Systems with Variable Coolant Flow Rate. | | |
| 25.490.8101 | Copper Pipe Group 1/4″ 0.8 mm (13 mm Iso) | 130,74 | 17,68 |
| 25.490.8102 | Copper Pipe Group 3/8″ 0.8 mm (13 mm Iso) | 157,63 | 17,68 |
| 25.490.8103 | Copper Pipe Group 1/2″ 0.8 mm (13 mm Iso) | 204,26 | 17,68 |
| 25.490.8104 | Copper Pipe Group 5/8″ 1.0 mm (13 mm Iso) | 242,21 | 17,68 |
| 25.490.8105 | Copper Pipe Group 3/4″ 1.0 mm (13 mm Iso) | 313,38 | 17,68 |
| 25.490.8106 | Copper Pipe Group 7/8″ 1.0 mm (13 mm Iso) | 410,54 | 29,45 |
| 25.490.8107 | Copper Pipe Group 1″ 1.2 mm (13 mm Iso) | 459,55 | 29,45 |
| 25.490.8108 | Copper Pipe Group 1⅛″ 1.2 mm (19 mm Iso) | 557,16 | 35,35 |
| 25.490.8109 | Copper Pipe Group 1⅜″ 1.5 mm (19 mm Iso) | 691,58 | 35,35 |
| 25.490.8110 | Copper Pipe Group 1⅝″ 1.5 mm (19 mm Iso) | 870,25 | 35,35 |
| **25.490.8200** | **Joints (Unit: set)**<br>Installation of joints on the (dual) piping system for use on liquid and gas lines, taking line load as basis. | | |
| 25.490.8201 | Max. 25 kw | 869,53 | 117,81 |
| 25.490.8202 | 25 to 50 kW | 1.038,93 | 117,81 |
| 25.490.8203 | 50 to 100 kW | 1.391,26 | 176,73 |
| 25.490.8204 | Over 100 kW | 1.990,13 | 235,63 |
| 25.490.8300 | **Distribution (header) elements (Unit: set)**<br>Installation of distribution (header) elements on the piping system for use on liquid and gas lines (dual). | 4.016,88 | 235,63 |
| **25.495.0000** | **MODULAR COOLING GROUPS (Unit: Qty. Materials on construction site: 60%)** | | |
| **25.495.0010** | **Air-cooled water cooling groups** | | |
| **25.495.1000** | **Cooling group with scroll compressor and air cooling**<br>Operating with R410 A, R32,454 B coolant gases, bearing a CE compliance marking, with shall and tube or plate exchanger, with a microprocessor control panel, and with capacities for an operation at 35°C with 7 to 12°C water. To be tested for efficiency and capacity by national or international testing organizations, and the requested efficiency value certified. Cooling groups above 200 kW shall be equipped with at least 2 circuits and 2 compressors. Delivery of the cooling group in working order at work site (The values between the main capacities shall be interpolated). | | |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.495.1100** | **Cooling group with scroll compressor and air cooling**<br>The devices should have a cooling activity coefficient of at least 3.1 (EER) or at least 4.1 (SSER), including the condenser fan powers. | | |
| 25.495.1101 | 5 kW | 125.816,38 | 739,50 |
| 25.495.1102 | 7.5 kW | 139.950,63 | 1.243,38 |
| 25.495.1103 | 10 kW | 161.225,56 | 1.361,19 |
| 25.495.1104 | 15 kW | 193.196,31 | 1.865,06 |
| 25.495.1105 | 20 kW | 226.678,50 | 1.982,88 |
| 25.495.1106 | 30 kW | 269.645,06 | 2.571,94 |
| 25.495.1107 | 40 kW | 279.357,38 | 3.429,25 |
| 25.495.1108 | 60 kW | 356.162,69 | 4.018,31 |
| 25.495.1109 | 80 kW | 421.197,04 | 5.170,16 |
| 25.495.1110 | 100 kW | 502.767,81 | 5.464,69 |
| 25.495.1111 | 120 kW | 560.705,84 | 4.896,46 |
| 25.495.1112 | 150 kW | 627.254,74 | 5.190,99 |
| 25.495.1113 | 200 kW | 793.956,18 | 6.019,30 |
| 25.495.1114 | 250 kW | 922.015,71 | 6.313,84 |
| 25.495.1115 | 300 kW | 1.047.387,11 | 6.608,36 |
| 25.495.1116 | 350 kW | 1.163.565,55 | 7.197,43 |
| 25.495.1117 | 400 kW | 1.310.321,51 | 8.320,26 |
| 25.495.1118 | 450 kW | 1.466.124,16 | 9.792,91 |
| **25.495.2000** | **Water Cooling group with threaded compressor and air cooling (A)**<br>Operating with R134 A, R513 A or R1234 ZE coolant gases, bearing a CE compliance marking, with shall and tube exchanger, with a microprocessor control panel, and with capacities for an operation at 35°C with 7 to 12°C water. To be tested for efficiency and capacity by national or international testing organizations, and the requested efficiency value certified. The cooling groups shall have at least 2 circuits and 2 compressors. Delivery of the cooling group in working order at work site (The values between the main capacities shall be interpolated). | | |
| **25.495.2100** | **Cooling group with screw compressor and air cooling**<br>The devices should have a cooling activity coefficient of at least 3.1 (EER) or at least 4.1 below 400 KW, and at least 4.55 above 400 KW (SSER), including the condenser fan powers. | | |
| 25.495.2101 | 200 kW | 1.258.362,80 | 6.397,80 |
| 25.495.2102 | 250 kW | 1.389.244,74 | 8.758,49 |
| 25.495.2103 | 300 kW | 1.583.995,91 | 9.565,91 |
| 25.495.2104 | 350 kW | 1.602.230,45 | 10.104,20 |
| 25.495.2105 | 400 kW | 1.813.907,39 | 12.464,89 |
| 25.495.2106 | 450 kW | 1.886.931,84 | 13.810,59 |
| 25.495.2107 | 500 kW | 1.996.240,51 | 14.618,01 |
| 25.495.2108 | 550 kW | 2.114.396,29 | 15.156,29 |
| 25.495.2109 | 600 kW | 2.251.053,71 | 15.963,71 |
| 25.495.2110 | 700 kW | 2.542.954,50 | 16.502,00 |
| 25.495.2111 | 800 kW | 2.709.909,03 | 17.040,28 |
| 25.495.2112 | 900 kW | 3.061.156,84 | 18.116,84 |
| 25.495.2113 | 1000 kW | 3.317.071,36 | 19.670,11 |
| 25.495.2114 | 1100 kW | 3.551.414,64 | 20.208,39 |
| 25.495.2115 | 1200 kW | 3.733.392,30 | 22.899,80 |
| 25.495.2116 | 1300 kW | 3.980.788,39 | 24.514,64 |
| 25.495.2117 | 1400 kW | 4.325.601,20 | 25.591,20 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.495.2118 | 1500 kW | 4.675.067,61 | 28.282,61 |
| 25.495.2119 | 1600 kW | 4.991.703,68 | 31.927,43 |
| 25.495.2120 | 1700 kW | 5.926.212,74 | 33.003,99 |
| **25.495.2500** | **Cooling group with screw compressor with frequency inverter, and air cooling**<br>Operating with R134 A, R513 A or R1234 ZE coolant gases, with shell and tube or plate exchanger, with a microprocessor control panel, bearing a CE compliance marking, efficiency- and capacity-tested by national or international testing agencies, with documentation proving the required efficiency value. The cooling groups shall have at least 2 circuits and 2 compressors. At least 2 compressors shall have frequency inverters. Supply to the worksite in working order of the cooling group with devices with a cooling activity coefficient of at least 4.55 (SEER), including the condenser fan powers. For the capacities below, the values at operation with water temperatures of 7 to 12°C and 35 °C shall be the basis instead of the climatic conditions (values for other capacities shall be interpolated). | | |
| 25.495.2510 | 500 KW | 2.131.600,58 | 14.618,01 |
| 25.495.2511 | 550 KW | 2.239.704,76 | 15.156,29 |
| 25.495.2512 | 600 KW | 2.384.471,39 | 15.963,71 |
| 25.495.2513 | 700 KW | 2.693.764,28 | 16.502,00 |
| 25.495.2514 | 800 KW | 2.870.652,58 | 17.040,28 |
| 25.495.2515 | 900 KW | 3.242.802,91 | 18.116,84 |
| 25.495.2516 | 1000 KW | 3.513.900,85 | 19.670,11 |
| 25.495.2517 | 1100 KW | 3.762.200,49 | 20.208,39 |
| 25.495.2518 | 1200 KW | 4.018.814,80 | 22.899,80 |
| 25.495.2519 | 1300 KW | 4.285.117,14 | 24.514,64 |
| 25.495.2520 | 1400 KW | 4.656.371,20 | 25.591,20 |
| 25.495.2521 | 1500 KW | 5.032.512,61 | 28.282,61 |
| 25.495.2522 | 1600 KW | 5.458.685,69 | 31.927,43 |
| **25.495.3000** | **Cooling group with screw compressor and water cooling**<br>Operating with R134 A, R513 A or R1234 ZE coolant gases, bearing a CE compliance marking, with shall and tube exchanger, with a microprocessor control panel, and with capacities for an operation at 30 to 35°C of condenser circuit temperature with 7 to 12°C water. To be tested for efficiency and capacity by national or international testing organizations, and the requested efficiency value certified. The cooling groups shall have at least 2 circuits and 2 compressors. Delivery of the cooling group in working order at work site (The values between the main capacities shall be interpolated). | | |
| **25.495.3100** | **Cooling group with screw compressor and water cooling**<br>The device should have a cooling activity coefficient of at least 5.05 (EER) or 6.5 (SEER). | | |
| 25.495.3101 | 300 kW | 1.521.185,91 | 9.565,91 |
| 25.495.3102 | 350 kW | 1.517.343,45 | 10.104,20 |
| 25.495.3103 | 400 kW | 1.646.327,89 | 12.464,89 |
| 25.495.3104 | 450 kW | 1.648.649,84 | 13.810,59 |
| 25.495.3105 | 500 kW | 1.789.341,51 | 14.618,01 |
| 25.495.3106 | 550 kW | 1.803.948,79 | 15.156,29 |
| 25.495.3107 | 600 kW | 2.173.280,96 | 15.963,71 |
| 25.495.3108 | 700 kW | 2.217.879,75 | 16.502,00 |
| 25.495.3109 | 800 kW | 2.293.391,28 | 17.040,28 |
| 25.495.3110 | 900 kW | 2.814.458,46 | 18.116,84 |
| 25.495.3111 | 1000 kW | 2.891.288,86 | 19.670,11 |
| 25.495.3112 | 1100 kW | 2.883.010,64 | 20.208,39 |
| 25.495.3113 | 1200 kW | 2.973.913,80 | 22.899,80 |
| 25.495.3114 | 1300 kW | 3.095.464,39 | 24.514,64 |
| 25.495.3115 | 1400 kW | 3.295.415,45 | 25.591,20 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.495.3116 | 1500 kW | 3.384.960,11 | 28.282,61 |
| **25.495.3500** | **Cooling group with screw compressor with frequency inverter, and water cooling**<br>Operating with R134 A, R513 A or R1234 ZE coolant gases, with shell and tube or plate exchanger, with a microprocessor control panel, bearing a CE compliance marking, efficiency- and capacity-tested by national or international testing agencies, with documentation proving the required efficiency value. The cooling groups shall have at least 2 circuits and 2 compressors. At least 2 compressors shall have frequency inverters. Supply to the worksite of the cooling group with devices with a cooling activity coefficient of at least 7 (SEER). For the capacities below, the values at operation with water at a condenser circuit temperature of 30 to 35°C and a user circuit of 7 to 12°C shall be the basis instead of the climatic conditions (values for other capacities shall be interpolated). | | |
| 25.495.3510 | 400 KW | 1.605.235,59 | 13.810,59 |
| 25.495.3511 | 450 KW | 1.638.630,51 | 14.618,01 |
| 25.495.3512 | 500 KW | 1.813.862,54 | 15.156,29 |
| 25.495.3513 | 550 KW | 1.866.438,71 | 15.963,71 |
| 25.495.3514 | 600 KW | 2.295.358,25 | 16.502,00 |
| 25.495.3515 | 700 KW | 2.392.627,78 | 17.040,28 |
| 25.495.3516 | 800 KW | 2.528.798,09 | 18.116,84 |
| 25.495.3517 | 900 KW | 3.173.438,86 | 19.670,11 |
| 25.495.3518 | 1000 KW | 3.333.614,64 | 20.208,39 |
| 25.495.3519 | 1100 KW | 3.404.162,30 | 22.899,80 |
| 25.495.3520 | 1200 KW | 3.594.289,64 | 24.514,64 |
| 25.495.3521 | 1300 KW | 3.832.553,70 | 25.591,20 |
| 25.495.3522 | 1400 KW | 4.184.838,86 | 28.282,61 |
| 25.495.3523 | 1500 KW | 4.410.202,43 | 31.927,43 |
| 25.495.3524 | 1600 KW | 5.146.285,24 | 33.003,99 |
| **25.500.0000** | **HEAT PUMPS (Unit: Qty.)**<br>Delivery in working order with, coolant gas pumped to the system, of heat pumps operating with R407, R410A, R134A, R32, R290 gases, compliant with the performance standard of EN 14511 for heating and cooling, ERP-ECO DESIGN criteria and marked for compliance with the relevant standards; equipped with a wager/gas heat exchanger with stainless steel plate, a 4-way valve in the coolant fluid circuit within the device, heating and cooling modes, anti-vibration elements and a control panel. Exterior temperature of 7°C for heating, 35°C for cooling for air source heat pumps; the source-circulating water temperature of 10°C for heating and 30°C for cooling for ground and water source heat pumps; and a user side water outlet temperature of 35°C for heating and 7°C for cooling shall be considered baseline for capacity estimation. If the interior and exterior units of the devices are separate, installation of copper pipes shall be charged per the relevant unit price. Other values shall be interpolated. | | |
| **25.500.1100** | **Air Source Heat Pumps**<br>Supply, installation, and delivery in working order and in compliance with the relevant project design, with heating and cooling capacities of min. COP: 3.70 and EER 2.70 as determined by the ERP-ECO DESIGN and/or relevant standards for air sourced devices. *Condenser fans of the device shall be with variable speed. | | |
| 25.500.1101 | 8 kW Heating Capacity, 6.5 kW Cooling Capacity | 87.460,06 | 2.035,44 |
| 25.500.1102 | 12 kW Heating Capacity, 9 kW Cooling Capacity | 111.029,88 | 2.153,25 |
| 25.500.1103 | 16 kW Heating Capacity, 13 kW Cooling Capacity | 140.986,35 | 2.329,98 |
| 25.500.1104 | 24 kW Heating Capacity, 18 kW Cooling Capacity | 168.047,19 | 2.774,94 |
| 25.500.1105 | 34 kW Heating Capacity, 28 kW Cooling Capacity | 249.653,06 | 5.838,06 |
| 25.500.1106 | 50 kW Heating Capacity, 40 kW Cooling Capacity | 328.047,13 | 7.369,63 |
| 25.500.1107 | 75 kW Heating Capacity, 60 kW Cooling Capacity | 394.347,13 | 8.783,38 |
| 25.500.1108 | 100 kW Heating Capacity, 80 kW Cooling Capacity | 446.757,44 | 10.786,19 |
| 25.500.1109 | 120 kW Heating Capacity, 96 kW Cooling Capacity | 527.470,05 | 12.848,80 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.500.1110 | 170 kW Heating Capacity, 135 kW Cooling Capacity | 691.091,30 | 17.561,30 |
| 25.500.1111 | 260 kW Heating Capacity, 200 kW Cooling Capacity | 1.084.718,68 | 21.334,93 |
| 25.500.1112 | 340 kW Heating Capacity, 270 kW Cooling Capacity | 1.256.278,05 | 24.869,30 |
| 25.500.1113 | 430 kW Heating Capacity, 320 kW Cooling Capacity | 1.570.500,24 | 26.636,49 |
| 25.500.1114 | 520 kW Heating Capacity, 410 kW Cooling Capacity | 1.794.538,99 | 31.348,99 |
| 25.500.1115 | 700 kW Heating Capacity, 560 kW Cooling Capacity | 2.358.441,98 | 36.300,73 |
| 25.500.1116 | 920 kW Heating Capacity, 740 kW Cooling Capacity | 3.225.363,23 | 48.081,98 |
| **25.500.2100** | **Water/ Ground Source Heat Pumps**<br>Supply, installation, and delivery in working order and in compliance with the relevant project design, with heating and cooling capacities of min. COP: 4.80 and EER 4.00 as determined by the ERP-ECO DESIGN and/or relevant standards for water and ground sourced devices. | | |
| 25.500.2101 | 6 kW Heating Capacity, 6 kW Cooling Capacity | 87.567,31 | 2.035,44 |
| 25.500.2102 | 8 kW Heating Capacity, 8 kW Cooling Capacity | 103.182,75 | 2.153,25 |
| 25.500.2103 | 12 kW Heating Capacity, 12 kW Cooling Capacity | 111.035,16 | 2.212,16 |
| 25.500.2104 | 17 kW Heating Capacity, 14 kW Cooling Capacity | 128.671,61 | 2.509,86 |
| 25.500.2105 | 22 kW Heating Capacity, 17 kW Cooling Capacity | 158.705,88 | 2.657,13 |
| 25.500.2106 | 28 kW Heating Capacity, 22 kW Cooling Capacity | 179.282,44 | 3.481,81 |
| 25.500.2107 | 34 kW Heating Capacity, 28 kW Cooling Capacity | 247.506,93 | 6.015,68 |
| 25.500.2108 | 60 kW Heating Capacity, 48 kW Cooling Capacity | 297.122,24 | 7.547,24 |
| 25.500.2109 | 80 kW Heating Capacity, 64 kW Cooling Capacity | 351.148,99 | 9.200,24 |
| 25.500.2110 | 100 kW Heating Capacity, 80 kW Cooling Capacity | 385.984,93 | 10.967,43 |
| 25.500.2111 | 120 kW Heating Capacity, 96 kW Cooling Capacity | 460.730,86 | 13.677,11 |
| 25.500.2112 | 160 kW Heating Capacity, 130 kW Cooling Capacity | 570.016,18 | 18.036,18 |
| 25.500.2113 | 230 kW Heating Capacity, 184 kW Cooling Capacity | 661.320,41 | 21.574,16 |
| 25.500.2114 | 350 kW Heating Capacity, 270 kW Cooling Capacity | 959.024,48 | 24.519,48 |
| 25.500.2115 | 460 kW Heating Capacity, 340 kW Cooling Capacity | 1.142.633,23 | 26.875,73 |
| 25.500.2116 | 570 kW Heating Capacity, 420 kW Cooling Capacity | 1.554.465,10 | 32.766,35 |
| 25.500.2117 | 700 kW Heating Capacity, 560 kW Cooling Capacity | 1.812.234,79 | 36.889,79 |
| 25.500.2118 | 920 kW Heating Capacity, 740 kW Cooling Capacity | 2.202.807,60 | 46.903,85 |
| **25.505.1000** | **COOLING TOWERS (Unit: Qty.)** | | |
| **25.505.1100** | **OPEN TYPE COOLING TOWERS (Unit: Qty.)**<br>Supply to the work site and installation, including water level control system, tower pond and filtration system, of flanged towers in compliance with the approved project, with the tower pond and housing made of min. AISI 304 stainless steel or CTP (Glass Fiber-Reinforced Polyester) or galvanized steel sheet with 600 g/m² zinc content, variable fan speeds, min. IP 55 protection class, easily detachable PVC drift eliminators, PVC or polypropylene filling, and with water spray system made of PVC flanges which can be fully removed and cleaned (Capacities for 30°C output and 35 C input temperature are taken as reference at 25 C wet-bulb temperature). | | |
| **25.505.1101** | **Open-type Water Cooling Towers with Axial Fans** | | |
| 25.505.1102 | 300 kW | 115.370,25 | 4.509,50 |
| 25.505.1103 | 350 kW | 133.137,19 | 5.098,56 |
| 25.505.1104 | 450 kW | 150.564,63 | 5.955,88 |
| 25.505.1105 | 550 kW | 175.928,11 | 6.133,49 |
| 25.505.1106 | 650 kW | 208.949,74 | 6.604,74 |
| 25.505.1107 | 750 kW | 231.114,30 | 6.961,80 |
| 25.505.1108 | 850 kW | 264.776,18 | 7.197,43 |
| 25.505.1109 | 1000 kW | 292.657,11 | 7.550,86 |
| 25.505.1110 | 1150 kW | 299.388,68 | 7.668,68 |
| 25.505.1111 | 1300 kW | 315.057,29 | 8.143,54 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.505.1112 | 1450 kW | 323.218,85 | 8.261,35 |
| 25.505.1113 | 1600 kW | 379.878,54 | 8.614,79 |
| 25.505.1114 | 1750 kW | 394.710,73 | 8.968,23 |
| 25.505.1115 | 1900 kW | 425.690,46 | 9.917,96 |
| 25.505.1116 | 2000 kW | 441.709,79 | 10.028,54 |
| **25.505.1200** | **Open-type water cooling towers with radial fans** | | |
| 25.505.1201 | 300 kW | 163.900,88 | 4.509,50 |
| 25.505.1202 | 350 kW | 182.597,31 | 5.098,56 |
| 25.505.1203 | 450 kW | 208.658,38 | 5.955,88 |
| 25.505.1204 | 550 kW | 226.532,24 | 6.133,49 |
| 25.505.1205 | 650 kW | 262.038,49 | 6.604,74 |
| 25.505.1206 | 750 kW | 280.449,30 | 6.961,80 |
| 25.505.1207 | 850 kW | 351.469,93 | 7.197,43 |
| 25.505.1208 | 1000 kW | 390.969,61 | 7.550,86 |
| 25.505.1209 | 1150 kW | 430.591,18 | 7.668,68 |
| 25.505.1210 | 1300 kW | 474.681,04 | 8.143,54 |
| 25.505.1211 | 1450 kW | 495.355,10 | 8.261,35 |
| 25.505.1212 | 1600 kW | 543.613,54 | 8.614,79 |
| 25.505.1213 | 1750 kW | 568.098,23 | 8.968,23 |
| 25.505.1214 | 1900 kW | 610.875,46 | 9.917,96 |
| 25.505.1215 | 2000 kW | 636.489,53 | 10.507,03 |
| **25.505.2000** | **CLOSED TYPE COOLING TOWERS (Unit: Qty.)**<br>Supply to the work site and installation, including water level control system, tower pond and filtration system, of towers in compliance with the approved project, with the tower pond and housing made of min. AISI 304 stainless steel or CTP (Glass Fiber-Reinforced Polyester) or galvanized steel sheet with 600 g/m² zinc content, variable fan speeds, min. IP 55 protection class, PVC or polypropylene drift eliminators, easily detachable filling materials, and water spraying system made of PVC flanges which can be fully removed and cleaned. Tower serpentine shall be made of steel-drawn SRM (Steel Relief Annealed) pipes, and subject to deep hot-dip galvanization after production. Should be subjected to a hydraulic test pressure 1.5 times the operating pressure before and after the galvanized coating process. Maximum water side pressure loss of the serpentines should be 60 kPa (The capacities of 30°C output and 35°C input temperatures at 25°C wet-bulb temperature were taken as reference.) | | |
| **25.505.2100** | **Closed-type Water Cooling Towers with Axial Fans** | | |
| 25.505.2101 | 300 kW | 613.388,88 | 4.745,13 |
| 25.505.2102 | 350 kW | 648.895,13 | 5.216,38 |
| 25.505.2103 | 450 kW | 814.141,50 | 6.191,50 |
| 25.505.2104 | 550 kW | 909.414,11 | 6.369,11 |
| 25.505.2105 | 650 kW | 1.048.477,55 | 6.722,55 |
| 25.505.2106 | 750 kW | 1.177.713,36 | 7.079,61 |
| 25.505.2107 | 850 kW | 1.339.360,24 | 7.315,24 |
| 25.505.2108 | 1000 kW | 1.527.401,18 | 7.668,68 |
| 25.505.2109 | 1150 kW | 1.758.760,55 | 7.904,30 |
| 25.505.2110 | 1300 kW | 2.075.505,10 | 8.261,35 |
| 25.505.2111 | 1450 kW | 2.262.237,91 | 8.379,16 |
| 25.505.2112 | 1600 kW | 2.439.671,66 | 8.850,41 |
| 25.505.2113 | 1750 kW | 2.549.838,54 | 9.086,04 |
| 25.505.2114 | 1900 kW | 3.009.103,28 | 10.035,78 |
| 25.505.2115 | 2000 kW | 3.150.547,34 | 10.624,84 |

25.450.-Ventilation and Air Conditioner Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.505.2200** | **Closed-type Water Cooling Towers with Radial Fans** | | |
| 25.505.2201 | 300 kW | 619.823,88 | 4.745,13 |
| 25.505.2202 | 350 kW | 655.866,38 | 5.216,38 |
| 25.505.2203 | 450 kW | 822.721,50 | 6.191,50 |
| 25.505.2204 | 550 kW | 919.781,61 | 6.369,11 |
| 25.505.2205 | 650 kW | 1.067.961,30 | 6.722,55 |
| 25.505.2206 | 750 kW | 1.217.574,61 | 7.079,61 |
| 25.505.2207 | 850 kW | 1.363.848,99 | 7.315,24 |
| 25.505.2208 | 1000 kW | 1.555.464,93 | 7.668,68 |
| 25.505.2209 | 1150 kW | 1.818.463,05 | 7.904,30 |
| 25.505.2210 | 1300 kW | 2.113.757,60 | 8.261,35 |
| 25.505.2211 | 1450 kW | 2.374.671,66 | 8.379,16 |
| 25.505.2212 | 1600 kW | 2.561.221,66 | 8.850,41 |
| 25.505.2213 | 1750 kW | 2.676.929,79 | 9.086,04 |
| 25.505.2214 | 1900 kW | 3.159.432,03 | 10.035,78 |
| 25.505.2215 | 2000 kW | 3.307.668,59 | 10.624,84 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# AUTOMATIC CONTROL SYSTEM UNIT PRICES AND DEFINITIONS

2022/3

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.550.1000** | **TWO-POSITION ELECTRIC THERMOSTATS: (Unit: Qty.)**<br>Two-position electric thermostats that are released to the market in accordance with TS EN 60730-2-7/AC, 2014/35/EU Low Voltage Directive (LVD), and 2004/108/EC Electromagnetic Compatibility Directive and with the CE marking. | | |
| **25.550.1100** | **Two-Position Electric Location Thermostat;**<br>Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric location thermostat with miscellaneous partitions that can be mounted on the wall, with temperature adjustment buttons, that switches on/off the ignition within the adjusted room temperature value. | | |
| 25.550.1101 | Mechanical Location Thermostat | 491,88 | 45,00 |
| 25.550.1102 | Digital Location Thermostat | 861,89 | 45,00 |
| 25.550.1103 | Digital Communication Location Thermostat | 1.605,49 | 45,00 |
| 25.550.1200 | **Two-Position Electric Duct Thermostat;**<br>Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric channel thermostat that can be mounted on the exterior of the air duct, that is connected to the temperature monitor element with a capillary tube, with miscellaneous partitions, with temperature adjustment buttons, with difference range adjustment button that switches on/off the ignition within the adjusted duct temperature value. | 2.297,25 | 45,00 |
| **25.550.1201** | **Two-Position Electric Submersion Thermostat;**<br>Supplying on site, installation together with the cartridge to its place, making electrical connections and delivery in working condition of the two-position electric submersion thermostat that can submersed in the temperature monitoring element boiler, pipe or in any medium filled with liquid, with miscellaneous partitions, with temperature adjustment buttons, with difference range adjustment button that switches on/off the ignition within the adjusted liquid temperature value. | | |
| 25.550.1202 | Submersion thermostats that can be used up to 120°C | 1.158,61 | 45,00 |
| 25.550.1203 | Submersion thermostats that can be used at 120°C and above | 1.178,28 | 45,00 |
| 25.550.1300 | **Two-Position Electric Surface Thermostat;**<br>Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric surface thermostat that can be submersed pipe or in any medium that comes into contact tightly with the surface, with miscellaneous partitions, with difference range adjustment button that switches on/off the ignition within the adjusted liquid temperature value. | 1.194,36 | 45,00 |
| **25.550.2000** | **PROPORTIONAL ELECTRIC THERMOSTATS: (Unit: Qty.)** | | |
| 25.550.2001 | **Proportional Electric Location Thermostat;**<br>Supplying, installation to its place, making electrical connections and delivery in working condition of the two-position electric room thermostat with miscellaneous partitions that can be mounted on the wall, with temperature adjustment buttons, that can change the resistance value of the potentiometer in proportionate with the temperature change within the adjusted room temperature value. | 2.940,75 | 45,00 |
| 25.550.2002 | **Proportional Electric Duct Thermostat;**<br>Supplying, installation to its place, making electrical connections and delivery in working condition of the two-position electric duct thermostat with miscellaneous partitions that can be mounted outside the air duct, that is connected to a temperature monitor element with a capillary tube, with temperature adjustment buttons, that can change the resistance value of the potentiometer in proportionate with the temperature change within the adjusted room temperature value. | 3.316,13 | 45,00 |
| 25.550.2003 | **Proportional Electric Submersion Thermostat;**<br>Supplying, installation to its place, making electrical connections and delivery in working condition of the two-position electric submersion thermostat together with its cartridge with miscellaneous partitions that the temperature monitoring element can be submersed in the boiler, pipe or any medium filled with liquid, that is connected to a temperature monitor element with a capillary tube, with temperature adjustment buttons, that can change the resistance value of the potentiomet in proportionate with the temperature change within the adjusted liquid temperature value. | 4.746,13 | 45,00 |
| **25.550.2100** | **Additions to Two-Position and Proportional Thermostats (Unit: Qty.)**<br>In addition to the characteristics specified in the general description of electric thermostats, the elements added in the thermostat as a requirement of the place of use. | | |
| 25.550.2101 | Manual correction addition (manual reset) | 242,00 | 34,50 |
| **25.550.3000** | **TWO-POSITION HYGROSTATS: (Unit: Qty.)** | | |
| 25.550.3001 | **Two-Position Location Hygrostat;**<br>Supplying on site, installation to its place, making electrical connections and delivery in | 1.303,40 | 45,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | working condition of the two-position electric hygrostat with 80 percent RH relative humidity partitions that can be mounted on the wall, with humidity adjustment buttons, that switches on/off the ignition within the adjusted room relative humidity value. | | |
| 25.550.3002 | **Two-Position Air Duct Hygrostat;**<br>Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric hygrostat with 80 percent RH relative humidity partitions that can be mounted inside the humidity monitoring duct, body outside the duct, with humidity adjustment buttons, that switches on/off the ignition within the adjusted duct relative humidity value. | 1.303,40 | 45,00 |
| **25.550.4000** | **PRESSURESTATS (Pressure Switch): (Unit: Qty.)** | | |
| **25.550.4100** | **Two-Positioned Pressurestat;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the two-positioned electric pressurestat that can be mounted on the boiler, exchanger, pipe or any other pressurized container, that has miscellaneous partitioned pressure adjustment buttons including fluid and pressure values of the project, that switches on/off the contact within the adjusted pressure value. | | |
| 25.550.4101 | Two-position pressurestat (For air) | 965,56 | 45,00 |
| 25.550.4102 | Two-position pressurestat (For liquids) | 1.110,35 | 45,00 |
| **25.550.5000** | **DIFFERENTIAL PRESSURE PRESSURESTATS: (Unit: Qty.)** | | |
| **25.550.5100** | **Two-Position Differential Pressurestat;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the two positioned differential pressurestat that can be connected on two different ambients, with miscellaneous partitions, with differential pressure adjustments button, that can switch on and off the built-in ignition in case the difference between two pressures reaches the adjusted pressure value. | | |
| 25.550.5101 | Two positioned differential pressurestat (for air) | 581,25 | 45,00 |
| 25.550.5102 | Two positioned differential pressurestat (for liquids) | 1.648,39 | 45,00 |
| **25.552.1100** | **ELECTRONIC SENSING ELEMENTS (Sensors): (Unit: Qty.)**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of every type temperature sensing element together with all parts including cover, immersion tubes and bushes that are named based on area of use and installation type, with changing resistance depending on the temperature change in the location of monitoring element, without temperature adjustment button. | | |
| 25.552.1101 | Location type electronic temperature sensing element | 620,58 | 45,00 |
| 25.552.1102 | Air duct type temperature sensing element | 690,29 | 45,00 |
| 25.552.1103 | Immersion type electronic temperature sensing element, up to 120°C | 797,54 | 45,00 |
| 25.552.1104 | Immersion type electronic temperature sensing element, above 120°C | 704,59 | 45,00 |
| 25.552.1105 | Outside air type temperature sensing element | 495,45 | 45,00 |
| 25.552.1106 | Surface type electronic temperature sensing element | 625,94 | 45,00 |
| **25.552.1200** | **Electronic Relative Humidity Sensing Elements;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of every type electronic relative humidity sensing element together with parts including cover etc. that are named based on area of use and installation types, with changing resistance depending on the relative humidity change in the location of monitoring element, without temperature adjustment button. | | |
| 25.552.1201 | Room type electronic relative humidity sensing element | 1.850,38 | 45,00 |
| 25.552.1202 | Duct type electronic relative humidity sensing element | 2.207,88 | 45,00 |
| **25.552.1300** | **Electronic Temperature and Moisture Sensing Elements (Sensors); (Unit: Qty.)**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of temperature sensing element together with all parts including cover, immersion tubes and bushes that are named based on area of use and installation type, with changing resistance depending on the temperature and moisture change in the location of monitoring element. | | |
| 25.552.1301 | Location type electronic temperature moisture sensing element | 3.244,63 | 45,00 |
| 25.552.1302 | Duct type electronic temperature moisture sensing element | 3.405,50 | 45,00 |
| 25.552.1303 | Outside air type temperature moisture sensing element | 4.084,75 | 45,00 |
| **25.552.1400** | **Electronic pressure sensing elements.**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of small parts including cover etc. that are named based on area of use and installation types, with changing resistance depending on the relative humidity change in the location of monitoring element. | | |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.552.1401 | Pressure sensing element for air | 2.350,88 | 45,00 |
| 25.552.1402 | Pressure sensing element for liquids | 2.940,75 | 45,00 |
| 25.552.1403 | Pressure sensing element for vapor | 4.335,00 | 45,00 |
| **25.552.1500** | **Electronic differential pressure sensing elements.**<br>Installation to the place, making electrical connections and delivery in working condition of the sensing element that have different pressures with two pressure connection locations, and that can be connected with two different media, that can handle differential pressure adjustment. | | |
| 25.552.1501 | Differential pressure sensing element for air | 2.619,00 | 45,00 |
| 25.552.1502 | Differential pressure sensing element for the liquids | 6.587,25 | 45,00 |
| 25.552.1503 | Differential pressure sensing element for steam | 6.140,38 | 45,00 |
| **25.552.1600** | **Air Sensors;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of small parts including cover etc. that are named based on area of use and installation types, with changing output signal depending on the air quality in the location of monitoring element. | | |
| 25.552.1601 | Carbon Dioxide (CO2) Sensor | 6.015,25 | 45,00 |
| 25.552.1602 | Carbon Monoxide (CO) Sensor | 7.373,75 | 45,00 |
| 25.552.1603 | Air Quality (VOC) Sensor | 6.337,00 | 45,00 |
| **25.552.2000** | **Differences for Additions to Electronic Sensing Elements: (Unit: Qty.)** | | |
| 25.552.2001 | Addition of adjustment knob for location type temperature and air type pressure sensors | 802,90 | 45,00 |
| 25.552.2002 | Addition of indicator for location type temperature and air type pressure sensors | 874,40 | 45,00 |
| **25.555.1000** | **ELECTRONIC HOT WATER (BOILER) CONTROL PANEL: (Unit: Qty.)**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of electronic hot water control panel together with digital indicator that receives warning from the outside air inflow water or electronic temperature sensing elements in the boiler, that controls boiler or motorized valve or pump in order to adjust inflow water or boiler water temperature depending on the outside water temperature within a predefined program, that has the necessary buttons and potentiometers in order to determine the program, that can program daily (24-hour) and weekly, that has summer-winter access function, that ensures operation without electricity cut. | | |
| 25.555.1001 | Two positioned electronic hot water control panel | 6.241,63 | 146,25 |
| 25.555.1002 | Proportionally controlled electronic hot water control panel | 7.010,25 | 146,25 |
| **25.555.2000** | **ELECTRONIC CONTROL PANEL: (Unit: Qty.)** | | |
| **25.555.2100** | **Pre-Programmed Air Conditioning Control Panel; (Unit: Qty.)**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the electronic control panel with digital indicator that keeps the adjusted value by controlling with the warnings received from the electronic sensing elements, that can be installed to the enclosure or wall. | | |
| 25.555.2101 | Air conditioning control panel with 1 control loop | 7.868,25 | 146,25 |
| 25.555.2102 | Air conditioning control panel with 2 control loops | 8.958,63 | 146,25 |
| 25.555.2103 | Air conditioning control panel with 3 control loops | 10.799,75 | 146,25 |
| 25.555.2104 | Air conditioning control panel with 4 control loops | 12.462,13 | 146,25 |
| **25.555.3000** | **Differences to be Paid for Additions in Electronic Temperature Control Panel: (Unit: Qty.)**<br>Additions that are requested to be available on the electronic temperature control panel due to the requirement of the area o use other than the specifications stated in the relevant definitions of the above item: 319-300. | | |
| 25.555.3001 | Addition of remote set-point replacement unit | 581,00 | 17,25 |
| **25.560.1000** | **SERVOMOTORS: (TSE quality certificate) (Unit: Qty.)** | | |
| **25.560.1100** | **Two-Position (switch on/off) servomotor;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the two positioned servomotor with miscellaneous rotation duration that fully switches on or off the valves or dampers with the warnings received from the two positioned thermostat, hygrostat, pressurestat or electronic control panel, that has limited rotation with a specific angle. | | |
| 25.560.1101 | For valves with DN10 to DN20 diameters | 2.533,38 | 48,75 |
| 25.560.1102 | For valves with DN25 to DN40 diameters | 3.069,63 | 48,75 |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.560.1103 | For valves with DN50 to DN65 diameters | 4.884,75 | 58,50 |
| 25.560.1104 | For valves with DN80 to DN125 diameters | 8.349,25 | 73,13 |
| 25.560.1105 | For valves with DN150 and larger diameters | 9.767,88 | 97,50 |
| 25.560.1106 | For dampers with an area of 0.4 m² and less | 1.587,79 | 48,75 |
| 25.560.1107 | For dampers with an area of 0.4 - 1.0 m² | 2.444,00 | 48,75 |
| 25.560.1108 | For dampers with an area of 1.0 - 2.0 m² | 2.614,63 | 58,50 |
| 25.560.1109 | For dampers with an area of 2.0 - 4.0 m² | 3.683,88 | 73,13 |
| **25.560.1200** | **Proportional Servomotors;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the electromechanical servomotor together with all equipment pieces that locates the connected valve or damper with linear or rotary movement proportionally with the proportional warning (signal) received from the relevant control device. | | |
| 25.560.1201 | For valves with DN10 to DN20 diameters | 2.690,54 | 48,75 |
| 25.560.1202 | For valves with DN25 to DN40 diameters | 3.629,75 | 48,75 |
| 25.560.1203 | For valves with DN50 to DN65 diameters | 4.249,24 | 58,50 |
| 25.560.1204 | For valves with DN80 to DN125 diameters | 7.699,85 | 73,13 |
| 25.560.1205 | For valves with DN150 and larger diameters | 8.074,10 | 97,50 |
| 25.560.1206 | For dampers with an area of 0.4 m² and less | 2.293,31 | 48,75 |
| 25.560.1207 | For dampers with an area of 0.4 - 1.0 m² | 2.588,69 | 48,75 |
| 25.560.1208 | For dampers with an area of 1.0 - 2.0 m² | 2.892,16 | 58,50 |
| 25.560.1209 | For dampers with an area of 2.0 - 4.0 m² | 2.977,99 | 73,13 |
| **25.560.2000** | **Additions to Servomotors: (Unit: Qty.)** | | |
| **25.560.2100** | **Addition of emergency positioning: (to be used in vapor, super heated water, hot water valves and ventilation dampers)**<br>Supply on site, installation to the place and delivery in working condition of the emergency location unit that fully switches on or off the valve feeding the servomotor with the built-in spring or battery mechanism in case of power outage. | | |
| 25.560.2101 | For valves with DN10 to DN20 diameters | 2.285,56 | 69,06 |
| 25.560.2102 | For valves with DN25 to DN40 diameters | 2.285,56 | 69,06 |
| 25.560.2103 | For valves with DN50 to DN65 diameters | 3.385,69 | 78,81 |
| 25.560.2104 | For valves with DN80 to DN125 diameters | 3.543,31 | 93,44 |
| 25.560.2105 | For valves with DN150 and larger diameters | 3.891,88 | 138,13 |
| 25.560.2106 | For dampers with an area of 0.4 m² and less | 3.143,56 | 69,06 |
| 25.560.2107 | For dampers with an area of 0.4 - 1.0 m² | 4.126,69 | 69,06 |
| 25.560.2108 | For dampers with an area of 1.0 - 2.0 m² | 4.511,81 | 78,81 |
| 25.560.2109 | For dampers with an area of 2.0 - 4.0 m² | 5.152,06 | 93,44 |
| 25.560.2200 | **Adding position switch**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the position switch that adjusts certain rotation angles of the servomotor and transmits warning in this rotation angle, that receives movement from the rod installed inside or outside the servomotor. | 1.123,88 | 22,50 |
| 25.560.2300 | **Addition of position feedback potentiometer**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the position feedback potentiometer that feeds the position of the servomotor proportionally. | 1.293,00 | 22,50 |
| **25.560.3100** | **Digital Proportional Servomotors**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the electromechanical servomotor together with all equipment pieces that locate the connected valve with linear movement proportionally with the proportional warning (signal) received from the relevant control device, building automation system or bus protocols, or directly from installed sensors, or created through its own software. | | |
| 25.560.3101 | For valves with DN 15 to DN 20 diameters | 4.160,40 | 35,40 |
| 25.560.3102 | For valves with DN 25 to DN 40 diameters | 5.153,68 | 38,68 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.560.3103 | For valves with DN50 to DN65 diameters | 7.947,70 | 44,20 |
| 25.560.3104 | For valves with DN80 to DN125 diameters | 11.995,73 | 49,73 |
| 25.560.3105 | For valves with DN 150 to DN 250 diameters | 29.271,23 | 49,73 |
| **25.562.1000** | **FAN-COIL CONTROL SYSTEM: (Unit: Qty.)** | | |
| **25.562.1100** | **Fan-Coil Thermostat;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of additions including contact, manual adjustment addition (manual reset), etc. pertaining to the fan-coil thermostat with summer-winter switch, that stops and starts minimum 3-cycle fan motor of the fan-coil in order to keep the room temperature at the adjusted value, that controls the automatic fan-coil valve, that resists against motor starter currents and at least 1 A continuous inductive load at 220 volt, that has adjustment button, that is 10/30°C partitioned. | | |
| 25.562.1101 | Mechanical thermostats | 706,69 | 48,75 |
| 25.562.1102 | Thermostats with digital display (without communication) | 1.055,25 | 48,75 |
| 25.562.1103 | Thermostats with digital display (with communication) | 2.103,00 | 48,75 |
| **25.562.1200** | **Automatic Fan-Coil Valve;**<br>Supply on site, installation to the place, making electrical connections and delivery in working condition of the motorized inspection valve that changes the water amount passing through the fan-coil in order to adjust the room temperature with the warning (signal) received from the Fan-Coil thermostat, that has brass or bronze body, that has geared connection, that has drive unit with electromagnetic or electrothermal mechanism, that operates with linear or rotary movement. (Valve body, motor and connection equipment are complete.) | | |
| 25.562.1201 | Two-way DN15 | 477,75 | 48,75 |
| 25.562.1202 | Two-way DN20 | 626,25 | 48,75 |
| 25.562.1203 | Two-way DN25 | 667,50 | 48,75 |
| 25.562.1204 | Three-way DN15 | 617,44 | 58,50 |
| 25.562.1205 | Three-way DN20 | 747,38 | 58,50 |
| 25.562.1206 | Three-way DN25 | 840,19 | 58,50 |
| **25.565.1000** | **2-WAY AUTOMATIC CONTROL VALVE BODY: (Unit: Qty.)**<br>Supply on site, installation to the place, delivery in working condition of the two-way automatic valve body that is manufactured in accordance with the Directive (2014/68/AB) Pressure Equipment, that is released to the market with CE marking, that adjusts liquid and vapor flow amount, that is triggered by a drive unit, that has a single or double seats, that has peak bronze or brass spillage body, that has stainless steel rod, bronze or stainless steel valves or seats. (drive unit is not included in the price) | | |
| **25.565.1200** | **Two-way, PN 10, threaded control valve body;**<br>Resisting at least to 10 and 8 atmosphere operating pressures up to 100°C and 110°C, respectively. Other features are as in item 25.565.1000. | | |
| 25.565.1201 | DN15 | 1.101,69 | 33,31 |
| 25.565.1202 | DN20 | 1.239,88 | 33,31 |
| 25.565.1203 | DN25 | 1.464,13 | 43,06 |
| 25.565.1204 | DN32 | 1.628,50 | 56,88 |
| 25.565.1205 | DN40 | 2.376,63 | 66,63 |
| 25.565.1206 | DN50 | 3.025,75 | 76,38 |
| **25.565.1300** | **Two-way, PN 16, threaded control valve body;**<br>Special lead, bronze alloy housing valve housing and stainless steel rod that is resistant against 16 atmosphere up to 100°C, at 120°C and at least 13 atmospheres operation pressure, | | |
| 25.565.1301 | DN15 | 1.239,88 | 33,31 |
| 25.565.1302 | DN20 | 1.448,19 | 33,31 |
| 25.565.1303 | DN25 | 1.672,44 | 43,06 |
| 25.565.1304 | DN32 | 1.810,00 | 56,88 |
| 25.565.1305 | DN40 | 2.582,88 | 66,63 |
| 25.565.1306 | DN50 | 3.293,88 | 76,38 |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.565.1500** | **Two-way, PN 6, flanged control valve body;** | | |
| 25.565.1501 | DN15 | 2.137,06 | 33,31 |
| 25.565.1502 | DN20 | 2.302,06 | 33,31 |
| 25.565.1503 | DN25 | 2.373,69 | 43,06 |
| 25.565.1504 | DN32 | 2.758,75 | 56,88 |
| 25.565.1505 | DN40 | 2.995,38 | 66,63 |
| 25.565.1506 | DN50 | 4.057,00 | 76,38 |
| 25.565.1507 | DN65 | 5.076,25 | 105,63 |
| 25.565.1508 | DN80 | 6.560,13 | 125,13 |
| 25.565.1509 | DN100 | 10.384,38 | 154,38 |
| 25.565.1510 | DN125 | 16.358,66 | 209,29 |
| 25.565.1511 | DN150 | 20.202,41 | 258,04 |
| 25.565.1512 | DN200 | 49.248,04 | 263,66 |
| 25.565.1513 | DN250 | 62.262,41 | 263,66 |
| **25.565.1600** | **Two-way, PN 10, flanged control valve body;**<br>Peak spillage body, bronze or stainless steel valve and seats, resistant against 10 atmosphere operation pressure up to 100°C temperatures, at least 8 atmosphere operation pressure up to 120°C temperatures, other features are as in item 25.565.1000. | | |
| 25.565.1601 | DN15 | 2.405,19 | 33,31 |
| 25.565.1602 | DN20 | 2.755,81 | 33,31 |
| 25.565.1603 | DN25 | 3.074,94 | 43,06 |
| 25.565.1604 | DN32 | 3.377,50 | 56,88 |
| 25.565.1605 | DN40 | 3.655,38 | 66,63 |
| 25.565.1606 | DN50 | 4.325,13 | 76,38 |
| 25.565.1607 | DN65 | 5.591,88 | 105,63 |
| 25.565.1608 | DN80 | 7.343,88 | 125,13 |
| 25.565.1609 | DN100 | 11.456,88 | 154,38 |
| 25.565.1610 | DN125 | 17.307,41 | 209,29 |
| 25.565.1611 | DN150 | 20.738,66 | 258,04 |
| 25.565.1612 | DN200 | 54.754,91 | 263,66 |
| 25.565.1613 | DN250 | 69.192,41 | 263,66 |
| **25.565.1700** | **Two-way, PN 16, flanged control valve body;**<br>Peak spillage body, bronze or stainless steel valve and seats, resistant against 16 atmosphere operation pressure up to 100°C temperatures, at least 13 atmosphere operation pressure up to 120°C temperatures, other features are as in item 25.565.1000 | | |
| 25.565.1701 | DN15 | 4.220,19 | 33,31 |
| 25.565.1702 | DN20 | 4.942,06 | 33,31 |
| 25.565.1703 | DN25 | 5.199,31 | 43,06 |
| 25.565.1704 | DN32 | 6.120,63 | 56,88 |
| 25.565.1705 | DN40 | 6.996,63 | 66,63 |
| 25.565.1706 | DN50 | 8.285,13 | 76,38 |
| 25.565.1707 | DN65 | 10.335,63 | 105,63 |
| 25.565.1708 | DN80 | 12.727,00 | 125,13 |
| 25.565.1709 | DN100 | 19.294,38 | 154,38 |
| 25.565.1710 | DN125 | 26.341,16 | 209,29 |
| 25.565.1711 | DN150 | 31.504,91 | 258,04 |
| 25.565.1712 | DN200 | 130.118,66 | 263,66 |
| 25.565.1713 | DN250 | 156.085,54 | 263,66 |
| **25.565.2000** | **THREE-WAY INSPECTION VALVE BODY: (TSE quality certified) (Unit: Qty.)** | | |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Supply on site, installation to the place, delivery in working condition of the three-way agitator or separator type inspection valve body that is manufactured in accordance with the Directive (2014/68/EU) Pressure Equipment, that is released into the market with CE marking, that changes the flow rate of the fluid passing through the line with the motor to be installed on it, that has bulk iron, bronze or brass body, that has stainless steel rod, bronze or stainless steel valves and seats, that has linear or rotary movement, that has equal flow characteristics. (Valve motor is not included in the price) | | |
| **25.565.2100** | **Three-way, PN 6, threaded control valve body;** | | |
| 25.565.2101 | DN15 | 1.439,38 | 43,06 |
| 25.565.2102 | DN20 | 1.488,31 | 52,81 |
| 25.565.2103 | DN25 | 1.589,38 | 52,81 |
| 25.565.2104 | DN32 | 1.980,63 | 66,63 |
| 25.565.2105 | DN40 | 2.242,00 | 76,38 |
| 25.565.2106 | DN50 | 2.394,06 | 86,13 |
| **25.565.2200** | **Three-way, PN 10, threaded control valve body;**<br>Resisting at least to 10 and 8 atmosphere operating pressures up to 100°C and 110°C, respectively, with remaining features identical with item 25.565.2000. | | |
| 25.565.2201 | DN15 | 1.420,81 | 43,06 |
| 25.565.2202 | DN20 | 1.506,88 | 52,81 |
| 25.565.2203 | DN25 | 1.694,56 | 52,81 |
| 25.565.2204 | DN32 | 2.149,75 | 66,63 |
| 25.565.2205 | DN40 | 2.840,13 | 76,38 |
| 25.565.2206 | DN50 | 3.778,00 | 86,13 |
| **25.565.2300** | **Three-way, PN 16, threaded control valve body;**<br>Special lead, bronze alloy housing valve housing and stainless steel rod that is resistant against 16 atmosphere up to 100°C, at 120°C and at least 13 atmospheres operation pressure, other features are as in item 25.565.2000. | | |
| 25.565.2301 | DN15 | 2.002,44 | 43,06 |
| 25.565.2302 | DN20 | 2.280,31 | 52,81 |
| 25.565.2303 | DN25 | 2.569,06 | 52,81 |
| 25.565.2304 | DN32 | 3.119,13 | 66,63 |
| 25.565.2305 | DN40 | 3.788,88 | 76,38 |
| 25.565.2306 | DN50 | 4.994,88 | 86,13 |
| **25.565.2500** | **Three-way, PN 6, flanged control valve body;** | | |
| 25.565.2501 | DN15 | 3.219,31 | 43,06 |
| 25.565.2502 | DN20 | 3.435,31 | 52,81 |
| 25.565.2503 | DN25 | 3.579,69 | 52,81 |
| 25.565.2504 | DN32 | 4.274,13 | 66,63 |
| 25.565.2505 | DN40 | 4.490,13 | 76,38 |
| 25.565.2506 | DN50 | 4.994,88 | 86,13 |
| 25.565.2507 | DN65 | 7.448,13 | 105,63 |
| 25.565.2508 | DN80 | 8.911,38 | 125,13 |
| 25.565.2509 | DN100 | 11.745,63 | 154,38 |
| 25.565.2510 | DN125 | 20.133,04 | 209,29 |
| 25.565.2511 | DN150 | 25.152,41 | 258,04 |
| 25.565.2512 | DN200 | 39.244,91 | 263,66 |
| 25.565.2513 | DN250 | 47.412,41 | 263,66 |
| **25.565.2600** | **Three-way, PN 10, flanged control valve body;** | | |
| 25.565.2601 | DN15 | 3.404,94 | 43,06 |
| 25.565.2602 | DN20 | 3.579,69 | 52,81 |
| 25.565.2603 | DN25 | 3.765,31 | 52,81 |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.565.2604 | DN32 | 4.789,75 | 66,63 |
| 25.565.2605 | DN40 | 4.902,63 | 76,38 |
| 25.565.2606 | DN50 | 5.613,63 | 86,13 |
| 25.565.2607 | DN65 | 9.531,25 | 105,63 |
| 25.565.2608 | DN80 | 11.407,00 | 125,13 |
| 25.565.2609 | DN100 | 15.664,38 | 154,38 |
| 25.565.2610 | DN125 | 34.116,79 | 209,29 |
| 25.565.2611 | DN150 | 38.001,79 | 258,04 |
| 25.565.2612 | DN200 | 42.524,29 | 263,66 |
| 25.565.2613 | DN250 | 51.372,41 | 263,66 |
| **25.565.2700** | **Three-way, PN 16, flanged control valve body;**<br>Peak spillage housing valve housing and stainless steel rod that is resistant against 16 atmospheres up to 100°C, at 200°C and at least 13 atmospheres operation pressure, other features are as in item 25.565.2000. | | |
| 25.565.2701 | DN15 | 4.126,81 | 43,06 |
| 25.565.2702 | DN20 | 4.714,06 | 52,81 |
| 25.565.2703 | DN25 | 5.188,44 | 52,81 |
| 25.565.2704 | DN32 | 5.882,88 | 66,63 |
| 25.565.2705 | DN40 | 6.779,50 | 76,38 |
| 25.565.2706 | DN50 | 8.191,75 | 86,13 |
| 25.565.2707 | DN65 | 9.448,75 | 105,63 |
| 25.565.2708 | DN80 | 12.376,38 | 125,13 |
| 25.565.2709 | DN100 | 14.921,88 | 154,38 |
| 25.565.2710 | DN125 | 32.136,79 | 209,29 |
| 25.565.2711 | DN150 | 37.135,54 | 258,04 |
| 25.565.2712 | DN200 | 59.911,16 | 263,66 |
| 25.565.2713 | DN250 | 74.204,29 | 263,66 |
| **25.565.3000** | **TWO-WAY BUTTERFLY VALVE BODY: (Unit: Qty.)**<br>Supply on site, installation to the place of the two-way butterfly automatic valve body that is manufactured in accordance with the Directive (2014/68/EU) Pressure Equipment, that is released into the market with CE marking, that can adjust the flow of high output fluid, that is triggered by a drive unit, that has peak spillage body, that has special bronze alloyed butterfly. | | |
| **25.565.3100** | **2-way, PN 10, flanged, butterfly type automatic valve body;**<br>Up to 100°C resistant against 10 atmospheres. | | |
| 25.565.3101 | DN25 | 2.487,69 | 33,31 |
| 25.565.3102 | DN32 | 2.652,69 | 33,31 |
| 25.565.3103 | DN40 | 2.889,31 | 43,06 |
| 25.565.3104 | DN50 | 3.150,63 | 56,88 |
| 25.565.3105 | DN65 | 3.511,00 | 66,63 |
| 25.565.3106 | DN80 | 4.160,13 | 76,38 |
| 25.565.3107 | DN100 | 4.918,75 | 154,38 |
| 25.565.3108 | DN125 | 5.743,75 | 154,38 |
| 25.565.3109 | DN150 | 7.360,00 | 203,13 |
| 25.565.3110 | DN200 | 11.734,54 | 205,16 |
| 25.565.3111 | DN250 | 17.537,66 | 253,91 |
| 25.565.3112 | DN300 | 25.705,16 | 253,91 |
| 25.565.3113 | DN400 | 40.472,66 | 253,91 |
| **25.567.1000** | **PRESSURE-INDEPENDENT (COMBINED) INSPECTION VALVE: (Unit: Qty.)** | | |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Installation of the pressure-independent (combined) inspection valve and delivery in working condition with correct adjustments that is manufactured in accordance with the Directive (2014/68/EU) Pressure Equipment, that is released into the market with CE marking, that is used in closed circuit heating or cooling systems, that has a mechanism preventing pressure changes in the system from affecting flow rate control, that has 100 percent valve authority, that has equal percent flow characteristics, that has flow rate measurement points. (Valve motor is not included) | | |
| **25.567.1100** | **Two-way, threaded connection;** | | |
| 25.567.1101 | DN15 | 814,06 | 43,06 |
| 25.567.1102 | DN20 | 978,65 | 52,81 |
| 25.567.1103 | DN25 | 1.933,09 | 52,81 |
| 25.567.1104 | DN32 | 2.871,16 | 66,63 |
| 25.567.1105 | DN40 | 7.245,71 | 76,38 |
| 25.567.1106 | DN50 | 7.858,86 | 86,13 |
| **25.567.1200** | **Two-way, flanged connection;** | | |
| 25.567.1201 | DN65 | 14.548,81 | 105,63 |
| 25.567.1202 | DN80 | 17.153,25 | 125,13 |
| 25.567.1203 | DN100 | 27.998,13 | 154,38 |
| 25.567.1204 | DN125 | 52.527,69 | 209,29 |
| 25.567.1205 | DN150 | 74.912,13 | 258,04 |
| 25.567.1206 | DN200 | 131.106,01 | 263,66 |
| 25.567.1207 | DN250 | 175.432,76 | 263,66 |
| **25.567.2000** | **FLOW LIMITING DIFFERENTIAL PRESSURE INSPECTION VALVE: (Unit: Qty.)**<br>Supply on site and installation to the place of the differential pressure inspection valve together with turnaround valves and capillary pipe set that is manufactured in accordance with the Directive (2014/68/EU) Pressure Equipment, that is released into the market with CE marking, that will be selected in accordance with the approved project indicating nominal dimensions, nominal pressures, material types and operating temperatures, that has seating type (globe), peak spillage (GG 25), spheroidal graphite cast iron (GGG 40.3), steel spillage (GS-C 25), bronze inspection valve body, stainless steel seat (seating collar) and rod, EPDM membrane, covered steel control unit, and pressure spring differential pressure adjustment mechanism. (Differential Pressure Setting Range: To be taken from the project value) | | |
| **25.567.2100** | **To be mounted on return line, PN 16, threaded** | | |
| 25.567.2101 | Ø15 mm | 1.197,20 | 43,06 |
| 25.567.2102 | Ø20 mm | 1.370,30 | 52,81 |
| 25.567.2103 | Ø25 mm | 1.651,86 | 52,81 |
| 25.567.2104 | Ø32 mm | 2.313,14 | 66,63 |
| 25.567.2105 | Ø40 mm | 2.930,55 | 76,38 |
| 25.567.2106 | Ø50 mm | 4.059,99 | 86,13 |
| **25.567.2200** | **Differential pressure inspection valve body, stainless steel bellows with pressure balanced, flanged, PN 16** | | |
| 25.567.2201 | Ø65 mm | 19.378,45 | 105,63 |
| 25.567.2202 | Ø80 mm | 22.117,39 | 125,13 |
| 25.567.2203 | Ø100 mm | 25.515,99 | 154,38 |
| **25.567.3000** | **DIFFERENCE PRESSURE RELIEF VALVES:**<br>Supply on site and installation to the place of the differential pressure relief valve that is manufactured in accordance with the Directive (2014/68/EU) Pressure Equipment, that is released into the market with CE marking, that will be selected in accordance with the approved project indicating nominal dimensions, nominal pressures, material types and operating temperatures, that has seating type (globe), peak spillage (GG 25), spheroidal graphite cast iron (GGG 40.3), steel spillage (GS-C 25), bronze inspection valve body, stainless steel seat (seating collar) and rod, EPDM membrane, covered steel control unit, and pressure spring differential pressure adjustment mechanism. (Differential Pressure Setting Range Will Be Taken From the Project.) | | |
| **25.567.3100** | **Body and Control Unit, Bronze Body, PN 16 Threaded** | | |
| 25.567.3101 | Ø20 mm | 938,76 | 52,81 |
| 25.567.3102 | Ø25 mm | 1.694,03 | 62,56 |

25.550.-Automatic Control Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.567.3103 | Ø32 mm | 3.538,66 | 76,38 |
| **25.567.3200** | **Differential Pressure Inspection Valve Body, Stainless Steel Bellows with Pressure Balanced, PN 16, Flanged** | | |
| 25.567.3201 | Ø40 mm | 10.999,00 | 76,38 |
| 25.567.3202 | Ø50 mm | 11.784,79 | 86,13 |
| 25.567.3203 | Ø65 mm | 31.253,25 | 105,63 |
| 25.567.3204 | Ø80 mm | 32.154,46 | 125,13 |
| 25.567.3205 | Ø100 mm | 46.723,19 | 154,38 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# KITCHEN AND LAUNDRY INSTALLATION UNIT PRICES AND DEFINITIONS

2022/3

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.600.1000** | **WORKTABLES** | | |
| **25.600.1100** | **Worktable, AISI 304 Grade 18/8 Cr-Ni (Size: m)**<br>Supply and installation on site of the work table, completely manufactured of AISI 304 Grade 18/8 Cr-Ni material, at least 850 mm high, with 60 mm backrest, 4 upper slabs of maximum 2 m, 6 pipes of maximum 3 m, minimum 40 mm diameter box or specially-formed profile or at least two sides with 40x40 mm with minimum thickness of 1.2 mm, and other parts at least 1.5 mm, and 1.2 mm thick lower plate; when necessary, the right and left sides Argon arc welded and traces of weld completely eliminated, table corners and any kind of visible joints completely smoothed, the upper part polished or matte-finished, put together in one piece or by joining modular pieces together, legs with height adjustments (ball joint) made of rigid plastic, tubular, cast iron or rubber and mounted on the profile. | | |
| 25.600.1101 | 600 mm width | 3.995,13 | 109,38 |
| 25.600.1102 | 700 mm wide | 4.168,38 | 109,38 |
| 25.600.1103 | 800 mm width | 4.366,38 | 109,38 |
| 25.600.2101 | **600 mm wide Moving Worktable**<br>Supply of work table made in one piece or by piecing together modular parts, completely of AISI 304 Grade 18/8 Cr-Ni material, upper slab with perimeter band for use in four directions, upper and lower plate, bottom plate with protection band, 360°C swiveling 4 heavy duty legs 2 with brakes. The other specifications shall be the same as the item 25.600.1100. | 6.410,25 | |
| 25.600.2102 | 700 mm wide Moving Worktable | 6.657,75 | |
| 25.600.2103 | 800 mm wide Moving Worktable | 6.831,00 | |
| **25.600.2200** | **WORKING TABLE, WITH SINK, PRESSED: (Unit: m)**<br>Manufactured completely wall thickness AISI 304 Grade 18/8 Cr-Ni material with the upper plate with 1.2 mm wall thickness to prevent the water overflow, pressed as one piece, sloped as to direct the water flow to the tub. The sinks with at least 1.0 mm thickness shall be mounted to the upper plate with weld seams and the seams shall be smoothed as to form a monolithic image with the upper table. Supply and installation on site of a 1-mm skirted table with 60 mm high backrest, at least two sides with 40x40 mm and minimum thickness of 1.2 mm box profile (4 pieces up to 190 cm, 6 pieces up to 300 cm), legs with height adjustment (ball joint) made of rigid plastic or rubber and mounted on the profile in order to prevent the sinks from being seen from the side and the front. (Sink is not included in the unit price.) | | |
| 25.600.2201 | 600 mm width | 3.995,13 | 109,38 |
| 25.600.2202 | 700 mm wide | 4.118,88 | 109,38 |
| 25.600.2203 | 800 mm wide | 4.366,38 | 109,38 |
| **25.600.2300** | **SINK, PRESSED, GRADE AISI 304 18/8 Cr-Ni**<br>Supply and installation on site in one piece or by joining modular pieces together of a sink manufactured from 18/8 stainless steel material with at least 1.0 mm thickness with the deep drawing method, shall welded to the table top plate of the same material by argon-arc welding and the seams shall be smoothed as to form a monolithic image with the upper table and the corners shall be rounded. | | |
| 25.600.2301 | Dimensions: 40 x 40 x 25 cm. | 1.645,88 | |
| 25.600.2302 | Dimensions: 40 x 50 x 25 cm. | 1.945,35 | |
| 25.600.2303 | Dimensions: 50 x 50 x 25 cm. | 2.135,93 | |
| 25.600.2304 | Dimensions: 50 x 50 x 30 cm. | 2.331,45 | |
| 25.600.2305 | Dimensions: 60 x 50 x 30 cm. | 2.796,75 | |
| **25.600.3000** | **Addition of drawer: (Unit: Qty.)** | | |
| 25.600.3100 | **Addition of drawer AISI 304 Grade 18/8 Cr-Ni**<br>With dimensions 50 x 50 x 15, handle, mounted to the table with rails. The price shall be considered when the drawers are added. | 1.108,80 | |
| **25.600.3200** | **Addition of cupboard: (Unit: m)**<br>All to be mounted to the tables manufactured of AISI 304 Grade 18/8 Cr-Ni material, sliding doors of 1 mm thickness, the sides and the back of 0.8 mm thickness, per meter price of the cupboard without shelf. | | |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.600.3201 | For worktables with 600 mm width | 2.846,25 | |
| 25.600.3202 | For worktables with 700 mm width | 3.341,25 | |
| 25.600.3203 | For worktables with 800 mm width | 3.811,50 | |
| **25.600.3300** | **INTERMEDIATE SHELF ADDITION (Unit: m)**<br>Manufactured from AISI 304 Grade 18/8 Cr-Ni for mounting to the worktable, 1.2 mm thick, with three turns, supported by reinforcements where necessary. The price shall be considered when the shelves are added | | |
| 25.600.3301 | For worktables with 600 mm width | 1.269,68 | |
| 25.600.3302 | For worktables with 700 mm width | 1.418,18 | |
| 25.600.3303 | For worktables with 800 mm width | 1.683,00 | |
| **25.600.4100** | **CUPBOARDS AISI 304 GRADE 18/8 Cr-Ni: (Unit: m)** | | |
| 25.600.4101 | Supply and installation on site of the cupboard with door built in one piece or by joining modular pieces together: 1 mm wall thickness, 400 x 600 mm size, center rack, front hanger system, double wall sliding door. | 6.082,56 | 117,81 |
| 25.600.4102 | The supply and installation of the cupboard without door: 1 mm wall thickness, 400 x 600 mm size, center rack. | 5.117,31 | 117,81 |
| **25.600.5000** | **WORKTABLES FOR MEAT PREPARATION: (Unit: m)** | | |
| **25.600.5100** | **Worktable for meat preparation AISI 304 Grade 18/8 Cr-Ni:**<br>The upper table shall have a 6-cm saddle in the back and/or on the side depending on the worker, and shall be built with 40-mm high polyethylene material in one piece or by piecing together modular parts; other parts shall be same as in 25.600.1100 | | |
| 25.600.5101 | 600 mm width | 4.312,44 | 129,69 |
| 25.600.5102 | 700 mm wide | 4.634,19 | 129,69 |
| 25.600.5103 | 800 mm width | 4.980,69 | 129,69 |
| **25.600.5200** | **MEAT BLOCK (Unit: Pieces)**<br>Supply on site of chopping board worktable made with carrier carcass and legs, pipe, box or specially-formed profile with a minimum 40 mm diameter or at least two sides with 40x40 mm and minimum thickness of 1.2 mm from AISI 304 Grade Cr-Ni material, polyethylene plate including the upper slab and backrest, made of rigid profile and of rigid plastic, cast or rubber mounted on profile, total height of 850 mm with height adjustment components (ball joint), put together in one piece or by joining modular pieces together. | | |
| 25.600.5201 | 50 x 60 x 8 cm., polyethylene plate. | 4.949,63 | 51,88 |
| 25.600.5202 | 50 x 70 x 8 cm., polyethylene plate. | 6.211,88 | 51,88 |
| 25.600.5203 | 80 x 80 x 8 cm., cutting board made of polyethylene. | 8.125,88 | 51,88 |
| **25.600.6000** | **DOUGH MAKING TABLES : (Unit: m)** | | |
| **25.600.6100** | **Worktable For Dough Making, AISI 304 Grade Cr-Ni:**<br>The upper table 3 cm, the backs 6 cm thick marble, plastic slip-resistant base under the marble, cast iron feet, other parts same as the item 25.600.1100. | | |
| 25.600.6101 | 600 mm width | 4.827,75 | 150,00 |
| 25.600.6102 | 700 mm wide | 5.223,75 | 150,00 |
| 25.600.6103 | 800 mm width | 5.644,50 | 150,00 |
| 25.600.6104 | 1100 mm wide | 7.055,25 | 150,00 |
| **25.600.6200** | **WORKTABLE FOR DISH STRIPPING: (With stripping funnel) (Unit: m)**<br>Supply and installation on site of tray with AISI 304 Grade 18/8 Cr-Ni material with a minimum 1.2 mm wall thickness in whole to meet the appropriate conditions for use, stainless steel or plastic stripping funnel, Cr.Ni support legs made with pipe, box or specially-formed profile with a minimum 40 mm diameter or at least two sides with 40x40 mm and minimum thickness of 1.2 mm, with at least three compartments (fork, spoon, knife) removable for cleaning, put together in one piece or by joining modular pieces together. | | |
| 25.600.6201 | 600 mm wide | 4.737,63 | 109,38 |
| 25.600.6202 | 700 mm wide | 4.910,88 | 109,38 |
| 25.600.6203 | 800 mm wide | 5.158,38 | 109,38 |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.602.1000** | **TRAYS (Unit: m.)** | | |
| 25.602.1100 | **Meat and vegetable washing tray AISI 304 Grade 18/8 Cr-Ni:**<br>Supply and installation on site in one piece or by joining modular pieces together, approximately 850 mm high, minimum tray depth of 200 mm, upper table (legs, table) manufactured of at least 1.5 mm AISI 304 Grade 18/8 Cr-Ni material, with 60 mm. top, upper plate and other parts 1.2 mm. thick, 1.5 mm. thick pool (with a maximum of 10 cm margin), pool bottom with filter tray, instead of the shelves, the front and the sides skirted to prevent the pool from being seen, all welded with argon arc welding matte satin finish, legs from 40 x 40 x 1.2 mm box profile, with hard plastic or rubber height adjustment elements (ball joint) mounted to the profile. | 7.934,38 | 138,13 |
| **25.602.1200** | **BOILER AND POT WASHING TRAY: AISI 304 Grade Cr-Ni (Unit: m)**<br>Manufactured completely with AISI 304 Grade 18/8 Cr-Ni material with a wall thickness of 1.5 mm, with at least 150 mm. deep pool, with a slope to facilitate the flow of water to the tub and from the table removable grid made of stainless steel profile, a band along the circumference of the tub to prevent the pool from being seen, table height 570 mm, the wall side 340 mm, legs made with pipe, box or specially-formed profile with a minimum 40 mm diameter or at least two sides with 40x40 mm and minimum thickness of 1.2 mm with hard plastic or rubber height adjustment elements (ball joint) mounted to the profile. Supply and installation on site in one piece or by joining modular pieces together of the tray made with Argon welding and the removal of the slag and smoothening of the weld seams. | | |
| 25.602.1201 | 600 mm width | 7.711,63 | 138,13 |
| 25.602.1202 | 700 mm width | 7.959,13 | 138,13 |
| 25.602.1203 | 800 mm width | 8.355,13 | 138,13 |
| 25.602.1204 | 1,000 mm width | 9.072,88 | 138,13 |
| **25.605.1100** | **MEAL SERVICE TABLES (Unit: Pieces)**<br>Supply and installation in working order in one piece or by joining modular pieces together of the service table made completely with AISI 304 Grade 18/8 Cr-Ni material with three closed sides, meal pots in the hot water bath, thermostat, one bottom shelf under the electrical heater, glass cough panel, a 30-cm tray conveyor band in the front, upper plate, hot water bath and 1.5 mm thick meal pots, other parts (including the tray band side and two side covers) 1 mm thick, AISI 304 Grade 18/8 Cr-Ni material, hot water bath Argon welded and traces of weld completely eliminated visible joints completely smoothed, meal pots and basin manufactured by pressing, along with height adjustments (ball joint), and a box or specially-formed profile on two sides with minimum size of 40x40 mm and minimum thickness of 1.2 mm.<br>Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD) . | | |
| 25.605.1101 | 1600 mm, with 4 pieces of GN tub, at least 2.5 kW | 19.790,88 | 414,38 |
| 25.605.1102 | 1900 mm, with 5 pieces of GN tub, at least 5 kW | 22.735,38 | 552,50 |
| 25.605.1103 | 2400 mm, with 6 pieces of GN tub, at least 5 kW | 26.377,00 | 690,63 |
| 25.605.1200 | **COVER UNIT (Unit: m)**<br>Supply and installation on site of tray with AISI 304 Grade 18/8 Cr-Ni material with 1.5 mm wall thickness in whole, closed on three sides, support legs made with pipe, box or specially-formed profile with a minimum 40 mm diameter or at least two sides with 40x40 mm and minimum thickness of 1.2 mm conveyor band, with at least three compartments (fork, spoon, knife) removable for cleaning, width 700 , height 850/1350 mm, put together in one piece or by joining modular pieces together. | 10.410,13 | 89,38 |
| **25.605.1300** | **HOT WATER BATH FOR SUACE (Unit: Pieces)** | | |
| 25.605.1301 | **Hot Water Bath for Sauce, electrically powered**<br>Supply and installation of the hot water bath, minimum 3 kW power, 800 x 900 x 850, 850 x 900 x 850 or 900 x 900 x 850 mm size, body AISI 304 Grade 18/8 Cr-Ni stainless steel sheet, other inner parts, pool part of stainless steel sheet and suitable for the placement of GN pots, with multi-stage thermostats and limit protected against temperature rises, main switch to control the power entry to the water bath or to cut the power, all electrical control equipment in accordance with the international standards. Note: The devices shall be manufactured in | 21.480,88 | 96,88 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | compliance with the 2014/35/EU The Low Voltage Directive (LVD). | | |
| 25.605.1302 | **Hot Water Bath for Sauce, gas powered**<br>Supply and installation on site of the gas powered hot water bath, minimum 4 Kw power, 800 x 900 x 850, 850 x 900 x 850, 900 x 900 x 850 mm size, body, other parts and pool part in AISI 304 Grade 18/8 Cr-Ni stainless steel plate, suitable for the placement of gastronorm pots, gas valve, safety valve which will automatically cut off the gas in case the flame goes off, pilot flame, thermostatic structure that can control the temperature at different stages, gas burner in form of a stainless steel pipe and automatic ignition button capable to work with all the gases, working with LPG or natural gas without any modification, all gas control and control equipment in compliance with the international standards. Note: Compliance with the Gas Powered Devices Directive 2016/426/EU is required. | 23.262,88 | 96,88 |
| **25.605.1400** | **Chilled Garnish Trays: (Unit: Qty.)**<br>External surfaces at least 0.60 mm, inner surfaces at least 0.50 mm, the bottom of the inner surface at least 0.50 mm thick, stainless sheet and the bottom of the inner surface corners are TIG welded for tightness, (CFC-free) polyurethane of 40-45 kg/m³ density injected between the internal-external walls to obtain a mono block body, a thermostat with multistage temperature adjustment, on/off switch, temperature indicator for the internal temperature, sufficient amount of air louver must be present next to the refrigerator to provide air circulation at +32ºC outer temperature and 65% relative humidity, compressor and the fan/condensed group shall be protected in order not be exposed to any damage, CFC free refrigerant shall be used in the cooling group and any protection shall be provided. Height adjustment components with automatic defrosting (ball joint) shall be available. Table type refrigerators: The supply, installation and operation at the work site of chilled garnish trays, internal temperature between -2/+ 8°C, cooling system of static type, insulation thickness of at least 50 mm, the number of tubs and the approximate dimensions as given below. | | |
| 25.605.1401 | 4 GN 1/3 tub, at least 33 L, stainless steel cover | 16.180,00 | 690,63 |
| 25.605.1402 | 4 GN 1/3 tub, at least 33 L, at least 15 cm height for the three top edges, glass | 18.063,75 | 690,63 |
| 25.605.1403 | 5 GN 1/3 tub, at least 41 L, stainless steel cover | 18.514,69 | 828,75 |
| 25.605.1404 | 5 GN 1/3 tub, at least 41 L, at least 15 cm height for the three top edges, glass | 20.298,75 | 828,75 |
| 25.605.1405 | 7 GN 1/3 tub, at least 58 L, stainless steel cover | 22.232,98 | 966,88 |
| 25.605.1406 | 7 GN 1/3 tub, at least 58 L, at least 15 cm height for the three top edges, glass | 24.381,41 | 966,88 |
| 25.605.1407 | 10 GN 1/3 tub, at least 83 L, stainless steel cover | 28.297,35 | 1.105,00 |
| 25.605.1408 | 10 GN 1/3 tub, at least 83 L, at least 15 cm height for the three top edges, glass | 31.090,31 | 1.105,00 |
| 25.605.1409 | 4 GN 1/4 tub, at least 24 L, stainless steel cover | 14.038,44 | 690,63 |
| 25.605.1410 | 4 GN 1/4 tub, at least 24 L, at least 15 cm height for the three top edges, glass | 15.617,98 | 690,63 |
| 25.605.1411 | 5 GN 1/4 tub, at least 29 L, stainless steel cover | 16.072,35 | 828,75 |
| 25.605.1412 | 5 GN 1/4 tub, at least 29 L, at least 15 cm height for the three top edges, glass | 17.665,63 | 828,75 |
| 25.605.1413 | 7 GN 1/4 tub, at least 42 L, stainless steel cover | 19.397,04 | 966,88 |
| 25.605.1414 | 7 GN 1/4 tub, at least 42 L, at least 15 cm height for the three top edges, glass | 21.213,75 | 966,88 |
| 25.605.1415 | 10 GN 1/4 tub, at least 60 L, stainless steel cover | 24.560,79 | 1.105,00 |
| 25.605.1416 | 10 GN 1/4 tub, at least 60 L, at least 15 cm height for the three top edges, glass | 27.001,41 | 1.105,00 |
| **25.607.1000** | **DOUGH KNEADING MACHINE : (Unit: Qty.)**<br>The supply, installation and commissioning of the machine with the total capacity specified below for the kneading of different types of doughs, with a protective lid on top, frame made of steel, wear and corrosion resistant, painted, the pot and the mixer made of AISI 304 Grade Cr-Ni material, monolithic in order to provide hygiene, the mixer with approximately 50 and 100 RPM double speed, gearbox and the motor coupled to each other, speed of the pot 15 RPM, with safety switch, with cage, the legs shall be in a way to prevent vibration and to work quietly and without vibration, the electrical panel to be provided with thermal and automatic fuse mounted on the machine against overload, to work at 380 V - 50 Hz electricity.<br>Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD).<br>Mixing Mot. (kW) | | |
| 25.607.1001 | 20 kg/round capacity; 0.4-0.7 (minimum) | 20.183,75 | 260,00 |

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| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.607.1002 | 30 kg/round capacity; 0.6-0.9 (minimum) | 22.350,00 | 308,75 |
| 25.607.1003 | 40 kg/round capacity; 0.8-1.4 (minimum) | 27.113,75 | 349,38 |
| 25.607.1004 | 50 kg/round capacity; 1.0-1.6 (minimum) | 27.759,25 | 398,13 |
| 25.607.1005 | 60 kg/round capacity; 1.2-2.1 (minimum) | 35.792,75 | 438,75 |
| **25.607.2000** | **Potato Peeling Machine (Unit: Pieces)**<br>The supply and installation of the potato peeling machine with potato or similar food peeling capacity, at least 0.37 kW electric motor, at least 38 cm. diameter and 35 cm. deep galvanized or chrome peeling pot, on the inner surface of the peeling pot silicon carbide coated or grater shaped 18/8 stainless steel stripping liner and interchangeable silicon carbide coated peel disc, hinged front cover, mobile top cover and water spray nozzle. Note: Electrically operated devices shall be manufactured in accordance with the 73/23/EEC Low Voltage Directive issued by the Ministry of Industry and Trade and published on 11.January.2002 with number 24637. (he electrical panel and the power cable are not included in the description) | | |
| 25.607.2001 | 10 kg/run | 19.790,00 | 292,50 |
| 25.607.2002 | 20 kg/run | 30.413,25 | 292,50 |
| 25.607.2003 | 30 kg/run | 30.960,50 | 292,50 |
| **25.607.3000** | **MEAT GRINDER: (TS 746) (Unit: Qty.)**<br>The supply and installation of the meat grinder with steel gear, gearbox with roller bearings and switch for back and forth rotations, with the cable at the required length and cross-section, body and neck made of AISI 304 Grade Cr-Ni material, enclosed in a casing. Note: Shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment designed for use within certain voltage limits and machine safety regulation (2006/42/EC) | | |
| 25.607.3001 | With 200 kg/h meat grinding capacity | 13.750,63 | 138,13 |
| 25.607.3002 | With 400 kg/h meat grinding capacity | 16.280,69 | 151,94 |
| 25.607.3003 | With 500 kg/h meat grinding capacity | 20.040,13 | 157,63 |
| 25.607.3004 | With 600 kg/h meat grinding capacity | 22.504,25 | 167,38 |
| **25.607.3100** | **Meat Grinder, Stainless Steel, Cooling Type (Unit: Qty.)**<br>With AISI 304 stainless steel body, spiral, neck and neck nut, meat chamber cooling function, cooling unit with digital controller, and hand guard for safety. Bearing a CE marking. | | |
| 25.607.3101 | With cooling and 400 kg/h meat grinding capacity | 24.392,00 | 157,63 |
| 25.607.3102 | With cooling and 600 kg/h meat grinding capacity | 27.918,88 | 157,63 |
| 25.607.4000 | **BREAD SLICING MACHINE: (Unit: Pieces)**<br>Approx. 60 x 70 x 105 cm in size, 220 Volt AC, 50 Hz. The supply and installation of the bread slicing machine, power supply from the network, 0.8 kW, driven by 1,400 RPM single phase motor, 10-15 mm thick slicing, 32 stainless steel blades; the surfaces coming into contact with bread to be made of AISI 304 Grade Cr-Ni, working automatically by pulling the lever, maximum 50 cm size bread entry, with crumb pot, body made of 5 mm thick sheet metal, oven painted, cast iron wheels.<br>The electrical devices shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment for use within certain voltage limits. | 18.837,81 | 48,44 |
| **25.610.1000** | **FRYERS: Unit: Qty.:** | | |
| **25.610.1100** | **Electric Fryer:**<br>The supply and installation of the electric fryer for frying various foods in oil and in a short time, made of AISI 304 Grade 18\8 Cr-Ni material, of 85°Cm. height, oil container with cold storage, single or double frying baskets with bottom lid, bottom discharge or front drainage system and oil collection container, pilot lamp, thermostat, oil drain tap and baskets suitable for frying and hygiene conditions, handle protected against heating, thermostat with 100-180°C temperature control, each of the basins are used independently with a separate control system, thermostat tips in contact with oil are of Cr-Ni, fitted with a ball valve at front or at the side to drain the oil, for the multi-purpose use fits under the cupboard or mounted on a carcass for middle group applications, having a main switch and a limit safety thermostat to cut-off the power in case of danger on the device, all electrical control equipment in accordance with the international standards, having height adjustment components.<br>Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Directive (LVD) . | | |
| 25.610.1101 | 12 L, at least 40x70x85 cm, at least 10 kW | 16.148,63 | 96,88 |
| 25.610.1102 | 18 L, at least 40x90x85 cm, at least 16 kW | 19.616,38 | 96,88 |
| 25.610.1103 | 24 L, at least 80x70x85 cm, at least 21 kW | 24.925,25 | 96,88 |
| 25.610.1104 | 36 L, at least 80x90x85 cm, at least 33 kW | 33.183,50 | 96,88 |
| **25.610.2000** | **OVENS: (Unit: Pieces)** | | |
| **25.610.2100** | **ELECTRIC CONVECTION OVEN:(Unit: Qty.)**<br>Made of AISI 304 Grade 18\8 Cr-Ni stainless steel, manual or automatic humidification, adjustable cooking time and digital display between 0 C - 300 C, shall be insulated with specially produced, at least 30 mm thick white ceramic or rock wool having a density of at least 50 kg/m³. Double-stage door lock system, with interior lighting, insulated, tempered, double-glazed, temperature time program indicator, sensor system to stop the fan when the door is opened, 2-speed stainless steel fan, equal heat distribution with double-direction fan with. Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD). | | |
| 25.610.2101 | 6 GN 1/1 tray and min. 8 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays) | 37.157,25 | 316,88 |
| 25.610.2102 | 10 GN 1/1 tray and min. 12 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays) | 43.962,75 | 365,63 |
| 25.610.2103 | 10 GN 2/1 tray and min. 16 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays) | 57.440,50 | 455,00 |
| 25.610.2104 | 20 GN 2/1 tray and min. 32 kW thermal capacity (including a cooker car kit and 4-cm-deep trays) | 77.808,25 | 552,50 |
| **25.610.2200** | **GAS CONVECTION OVEN:(Unit: Qty.)**<br>Made of AISI 304 Grade 18\8 Cr-Ni material, manual or automatic humidification, shall be insulated with at least 30 mm thick white rock wool or white ceramic wool having a density of at least 50 kg/m³. Double-stage door lock system cutting-off the gas when the flame goes off, with interior lighting, insulated, tempered, double-glazed, temperature time program indicator, sensor system to stop the fan when the door is opened, 2-speed stainless steel fan, equal heat distribution with double-direction fan with. Note: In accordance with the Directive 2016/426/EU on gas burning devices, bearing a CE compliance marking.<br>(including a bottom stand with tray rails and 4-cm-deep trays) | | |
| 25.610.2201 | 6 GN 1/1 tray and at least 8 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays) | 49.342,50 | 316,88 |
| 25.610.2202 | 10 GN 1/1 tray and at least 12 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays) | 61.807,50 | 365,63 |
| 25.610.2203 | 20 GN at least 16 kW thermal capacity with 1/1 trays | 71.136,88 | 455,00 |
| 25.610.2204 | 40 GN at least 32 kW thermal capacity with 1/1 trays (including a cooker car kit) | 97.943,75 | 552,50 |
| **25.610.2300** | **ELECTRIC COMBI OVEN:(Unit: Qty.)**<br>Shall be made of stainless steel, with folding inner glass and double glass resistant to high temperatures. There shall be a folding control panel with ceramic or rock wool insulation material for minimizing heat loss with at least 50 kg/m³ density, allowing preliminary maintenance and inspection. There shall be durable and high-quality resistors. There shall be a special weatherstrip that prevents heat loss. There shall be a bidirectional rotating stainless steel fan providing homogeneous heat distribution inside the cabin. Fan speed control shall consist of at least 4 stages. There shall be an audible warning system. There shall be a cabin and boiler safety thermostat. There shall be height-adjustable rollers. There shall be a manual steam injection system. The desired program values shall be quickly adjustable with the rotating adjustment button. All functions shall be digitally controlled. Cooking time shall be adjustable up to at least 120 minutes. There shall be a preheating function for more efficient cooking. There shall be a rapid cooling system. There shall be at least 50 recipes. It shall be possible to set a cooking program of at least 5 steps. There shall be at least 100 cooking cycles for recording. There shall be a time-independent cooking function with core temperature measured from at least 4 points (meat thermometer). There shall be a boiler maintenance and cleaning program with at least 3 different washing programs. A manual cabin washing spray shall be available. In case of unusual stoppages, washing shall continue from where it left off. There shall be a door switch that stops cooking and washing. There shall be a lighting system inside the oven. There shall be a digitally-controlled user panel or touch screen with 7 segments. There shall be at least 3 different cooking options. (Steam mode at least 20 °C - at least 110 °C) (Combi mode 0 °C - at least 250 °C) (Convection mode 0 °C - at least 285 °C). There shall be a drainage system with an automatic opening | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | and closing feature. There shall be an error warning system. (High temperature, low water level, etc.) There shall be a steam generator with an automatic filling system. There shall be a steam condensation system. Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD). | | |
| 25.610.2301 | 10 GN 1/1 tray, at least 18 kW electrical power, at least 16 kW steam power (including a bottom stand with tray rails and 4-cm-deep trays) | 201.646,25 | 552,50 |
| 25.610.2302 | 20 GN 1/1 tray, at least 25 kW electrical power, at least 16 kW steam power (including a bottom stand with tray rails and 4-cm-deep trays) | 238.428,13 | 690,63 |
| 25.610.2303 | 40 GN 1/1 tray, at least 50 kW electrical power, at least 32 kW steam power (including a cooker car kit and 4-cm-deep trays) | 344.028,75 | 828,75 |
| **25.610.2400** | **GAS COMBI OVEN: (Unit: Qty.)**<br>Shall be made of stainless steel, with folding inner glass and double glass resistant to high temperatures. There shall be a folding control panel with ceramic or rock wool insulation material for minimizing heat loss with at least 50 kg/m³ density, allowing preliminary maintenance and inspection. There shall be durable and high-quality resistors. There shall be a special weatherstrip that prevents heat loss. There shall be a bidirectional rotating stainless steel fan providing homogeneous heat distribution inside the cabin. Fan speed control shall consist of at least 4 stages. There shall be an audible warning system. There shall be a cabin and boiler safety thermostat. There shall be height-adjustable rollers. There shall be a manual steam injection system. The desired program values shall be quickly adjustable with the rotating adjustment button. All functions shall be digitally controlled. Cooking time shall be adjustable up to at least 120 minutes. There shall be a preheating function for more efficient cooking. There shall be a rapid cooling system. There shall be at least 50 recipes. It shall be possible to set a cooking program of at least 5 steps. There shall be at least 100 cooking cycles for recording. There shall be a time-independent cooking function with core temperature measured from at least 4 points (meat thermometer). There shall be a boiler maintenance and cleaning program with at least 3 different washing programs. A manual cabin washing spray shall be available. In case of unusual stoppages, washing shall continue from where it left off. There shall be a door switch that stops cooking and washing. There shall be a lighting system inside the oven. It shall operate with natural gas and LPG. There shall be low-emission, high-efficiency burners (Premix combustion). The gas valve shall have an electronic ignition device and a safety system that automatically cuts off the gas in case the flame goes out. There shall be a digitally-controlled user panel or touch screen with 7 segments. There shall be at least 3 different cooking options. (Steam mode at least 20 °C - at least 110 °C) (Combi mode 0 °C - at least 250 °C) (Convection mode 0 °C - at least 285 °C) There shall be a drainage system with an automatic opening and closing feature. There shall be an error warning system. (High temperature, low water level, etc.) There shall be a steam generator with an automatic filling system. There shall be a steam condensation system. Note: In accordance with the Directive 2016/426/EU on gas burning devices, released to the market with a CE compliance marking. | | |
| 25.610.2401 | 10 GN 1/1 tray, at least 14 kW heating power, at least 14 kW steam power (including a bottom stand with tray rails and 4-cm-deep trays) | 249.015,00 | 552,50 |
| 25.610.2402 | 20 GN 1/1 tray, at least 24 kW heating power, at least 20 kW steam power (including a bottom stand with tray rails and 4-cm-deep trays) | 279.361,88 | 690,63 |
| 25.610.2403 | 40 GN 1/1 tray, at least 48 kW heating power, at least 27 kW steam power (including a cooker car kit and 4-cm-deep trays) | 404.088,75 | 828,75 |
| **25.610.3000** | **GRILLS: Unit: Qty.:** | | |
| **25.610.3100** | **Grill (gas powered); (Unit: Qty.)**<br>The supply and installation of the grill with the body made of AISI 304 Grade 18\8 Cr-Ni stainless steel sheet metal, with oil collecting channel and a drain in front of the other frying surface, collecting the oil on the surface into a stainless steel drawer, cleanable, stainless steel panels on three sides to prevent splashing of the oil, frying surface independently controlled with two separate control system, gas taps, pilot flame, minimum-maximum flaming and thermocouple safety valve in the structure that will cut off the gas automatically when the flame goes off, gas burner in the form of pipe and all gas operated, automatic ignition pushbuttons, all operating with LPG or natural gas and transformed without any modification, gas control equipment in compliance with the international standards.<br>Note: In accordance with the Directive (90/316/EC) Appliances Burning Gaseous Fuels in the Official Gazettes dated 01.April.2002 number 24713 and dated 19.March.2003 number 25053 by the Ministry of Industry and Trade. | | |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.610.3101 | 40*70 at least 5 KW | 12.830,88 | 109,38 |
| 25.610.3102 | 40 x 90 at least 6 KW | 16.147,38 | 109,38 |
| 25.610.3103 | 80 x 70 at least 10 KW | 20.618,25 | 150,00 |
| 25.610.3104 | 80 x 90 at least 12 KW | 24.627,75 | 150,00 |
| **25.610.3200** | **FLOOR TYPE COOKER: Unit: Qty.:**<br>The supply, installation and delivery in working order of the cooker with 1.5 mm thick AISI 304 Grade 18\8 Cr-Ni stainless steel carrier body with oil sump or overflow pot, heat capacity 19-24 kW, double sided, with two control systems, upper plates for LPG or natural gas, made of heavy duty cast iron, with safety device to cut off the gas in case the flame goes off.<br>Note: In accordance with the Directive (90/316/EC) Appliances Burning Gaseous Fuels in the Official Gazettes dated 01.April.2002 number 24713 and dated 19.March.2003 number 25053 by the Ministry of Industry and Trade. | | |
| 25.610.3201 | 600 x 700 x 500 mm sized | 6.799,38 | 137,50 |
| 25.610.3202 | 600 x 800 x 500 mm dimensions | 8.119,38 | 137,50 |
| 25.610.3210 | **700 x 850 x 500 mm floor-type cooker with 4 burners**<br>32 kW total power, 4 burners, entirely made of AISI 304 stainless steel, with safety valve, tap, burner with high efficiency and low gas emission, 10-kW internal burners, 11-kW middle and external burners, pig-cast cooking ranges, running on LPG and natural gas. Bearing a CE marking. | 10.199,00 | 138,13 |
| **25.610.3300** | **Kitchen Stove; (electrically powered): Unit: Pieces**<br>The supply and installation of the kitchen stove with at least 4 square or circular plates, AISI 304 Grade 18\8 Cr-Ni stainless steel, all metal sheets invisible from the outside of aluminized sheet, plates operated with at least two stage switches separately in different positions, all electrical control equipment including cooker plates to comply with the international standards. Note: The devices shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment for use within certain voltage limits. | | |
| 25.610.3301 | 800x700x850, at least 10 kW | 16.869,13 | 589,13 |
| 25.610.3302 | 800x900x850 at least 25 kW | 29.017,88 | 637,88 |
| 25.610.3303 | 800x700x850, at least 15 kW (with oven) | 28.680,38 | 589,13 |
| 25.610.3304 | 800x900x850, at least 21 kW (with oven) | 38.917,88 | 637,88 |
| **25.610.3400** | **Kitchen Stove (gas powered): Unit: Pieces**<br>The supply and installation of the kitchen stove made of AISI 304 Grade 18\8 Cr-Ni material, LPG or natural gas powered and transformed without any modification, gas taps, pilot flame, minimum-maximum flame and a safety valve to automatically cut off the gas in case the flame goes off, the burners to work at the same capacity with all the gases, pilot burner and thermocouple for each burner and enamel coated oil collecting trays under the burners, all gas control devices to comply with the international standards. Note: Compliance with the Gas Powered Devices Directive 2016/426/EU is required. | | |
| 25.610.3401 | 800x700x850 at least 15 kW | 17.802,75 | 589,13 |
| 25.610.3402 | 800x900x850 at least 25 kW | 19.406,63 | 637,88 |
| 25.610.3403 | 1000 x 1000 x 850 at least 35 kW | 19.562,63 | 686,63 |
| 25.610.3404 | 1500 x 1000 x 850 at least 45 kW | 24.960,88 | 776,00 |
| 25.610.3405 | 2000 x 1000 x 850 at least 65 kW | 35.198,38 | 824,75 |
| 25.610.3406 | 800x700x850 at least 15 kW (with oven) | 26.150,38 | 589,13 |
| 25.610.3407 | 800x900x850 at least 25 kW (with oven) | 29.255,75 | 637,88 |
| 25.610.3408 | 1000 x 1000 x 850 at least 35 kW, with oven | 29.787,13 | 686,63 |
| 25.610.3409 | 1500 x 1000 x 850 at least 45 kW, with oven | 33.111,88 | 776,00 |
| 25.610.3410 | 2000 x 1000 x 850, at least 58 kW, with oven | 45.101,13 | 824,75 |
| **25.615.1000** | **DISHWASHERS: Unit: Pieces**<br>Note: Shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD) and Directive (2006/42/EC) Machinery. | | |
| 25.615.1100 | **500 Plate/Hour Capacity, Fully Automated Dishwasher**<br>For each period (per hour) with 40 pieces 50 x 50 cm. washing basket (cassette) and nominal (maximum theoretically) to take 500 plates or 200 self-service trays washing capacity, working | 21.996,13 | 707,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | at 2-4 bar pressure, whole body and the boiler made of AISI 304 Grade 18/8 Cr-Ni material, having at least 3 different programs, pump motor power of at least 450 Watt, supplied with at least 1,500 Watt stainless steel tank heater and at least 4,500 Watt stainless steel heating tank, 220 Volts or 380 Volts, 50 Hz. The supply, installation and delivery in working order of the dishwasher with electric panel, which allows the automatic operation of the machine to be mounted on the machine and fed from the electrical network, machine including the strainer, suction filter and overflow drain systems and the check valve at the inlet of the mains water, washing water at 50 ° C, the rinsing water at 85°C temperature, door with safety switch, a plat basket, a fork-spoon basket and a cup basket made of detergent-resistant plastic. | | |
| 25.615.1200 | **1000 Plate/Hour Capacity, Fully Automated Dishwasher**<br>For each period (per hour) with 65 pieces 50 x 50 cm. washing basket (cassette) and nominal (maximum theoretically) to take 1,000 plates or 400 self-service trays washing capacity, working at 2-4 bar pressure, whole body and the boiler made of AISI 304 Grade 18/8 Cr-Ni material, having at least 3 different programs, pump motor power of at least 600 Watts, supplied with at least 2,000 Watts stainless steel tank heater and at least 6,000 Watts stainless steel heating tank, 220 Volts or 380 Volts, 50 Hz. The supply, installation and delivery in working order of the dishwasher with electric panel, which allows the automatic operation of the machine to be mounted on the machine and fed from the electrical network, machine including the strainer, suction filter and overflow drain systems and the check valve at the inlet of the mains water, washing water at 50 ° C, the rinsing water at 85°C temperature, door with safety switch, a plate basket, a fork-spoon basket and a cup basket made of detergent-resistant plastic. | 28.970,75 | 1.210,88 |
| 25.615.1300 | **2000 Plate/Hour Capacity, Fully Automated Dishwasher With Drying Tunnel (Without Prewash)**<br>For each period (per hour) with 130 pieces 50 x 50 cm. washing basket (cassette) and nominal (maximum theoretically) to take 2,000 plates or 800 self-service trays washing capacity, automated running and thermostatic controlled, the baskets moving back and forth on a stainless steel conveyor inside the machine and passing through washing, rinsing and drying compartments, whole body and the boiler made of Grade 18/8 Cr-Ni stainless steel. The washing system, washing arms, rinsing arms, spray nozzles and crumb strainers shall be made of corrosion-, detergent- and hot-water-resistant plastic material or 18/8 Cr-Ni stainless steel, washing pump made of corrosion- and detergent-resistant plastic material and will be coupled directly to the motor and will run silently, pump motor power shall be at least 1,500 Watts, prewashing tank shall be of at least 50 L volume and prewash water shall be at 35-40°C temperature, the washing tank shall be furnished with at least 6,000 Watts stainless heaters supplying water at 50-55°C temperature with a minimum of 70 L volume, washing is arranged in such a way that clean washing is made with the arms mounted to the bottom and to the top in the closed cabin, there shall be a door in front of the machine for control and cleaning, the rinsing shall be made by pulverizing of the water at 80-85°C temperature obtained from a 12-L hot water tank with a at least 12,000 Watts stainless steel heater, the machine shall be designed to work when the basket is in the machine, crumb strainers shall be placed in the prewashing and washing compartments to minimize the water pollution, a suction filter shall be placed on the pump suction line to arrest the contaminants passing through the strainer and overflow drainage systems shall be present, the conveyor shall be driven by a gearbox+motor group with 370 Watts power and 2 different speed levels, the nominal machine capacity shall be obtained at the lowest speed level. The feed water to the machine shall be at maximum 7Fr hardness, 2-4 bar pressure and 45-50°C temperature, 380 Volts, 50Hz. The supply, installation and delivery in working order of the dishwasher with electric panel, which allows the automatic operation of the machine to be mounted on the machine and fed from the electrical network, height adjustable legs, door safety and conveyor switches, heat and detergent resistant, three plate baskets, a fork-spoon basket and a cup basket made of detergent resistant plastic or plastic covered steel mesh.<br>The fan used in the 5 kW heater of the drying tunnel shall have a blown, vented, drying system with a motor of at least 500 Watts. | 99.848,50 | 1.714,75 |
| 25.615.1400 | **2000 Plate/Hour Capacity, Fully Automated Dishwasher With Drying Tunnel (With Prewash)**<br>Fully automated dishwasher with prewash, drying tunnel, other features as defined in 25.615.1300. | 117.526,88 | 1.714,75 |
| **25.617.1000** | **EXTRACTION HOOD: (Unit: m²)** | | |
| 25.617.1100 | **EXTRACTION HOOD, without filter (Made of Stainless Steel) AISI 304 Grade 18/8 Cr-Ni: (Unit: m² ):**<br>All to be made AISI 304 of 18/8 Cri/Ni stainless steel with 1 mm wall thickness, corner joints are made with Argon arc welding, welding places are to be cleaned in a way that there is no | 4.725,50 | 828,75 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | trace left, there shall be oil duct and a ball valve to take the oil. Supply and installation in one piece or by piecing together modular parts of hood to the ceiling with steel dowels and plastic coated steel hanger ropes or corrosion-resistant chains, hood to be delivered with the duct connections made.<br>Note: Based on the approved project design, the extraction hood shall be 50 cm high. | | |
| 25.617.1200 | **EXTRACTION HOOD, with filter (Made of Stainless Steel) AISI 304 Grade 18/8 Cr-Ni: (Unit: m²):**<br>Installation of the extraction hood containing flame arrestor filters. Other features are as in the item 25.617.1100. | 5.967,81 | 828,75 |
| **25.620.1200** | **OIL SEPARATORS, AISI 304 Grade 18/8 Cr-Ni (Unit: Qty.):**<br>The supply and delivery in working order of oil separators in compliance with TS EN 1825-1, according to the technical characteristics and to the approved design, made of stainless steel material, corner joints made with Argon arc welding, welding places are to be cleaned in a way that there is no trace left, at the required size (according to the approved design), in places where there is no risk of frost exists suitable for use on the floor (indoor), with integrated sludge and particle retainer, with a valve for quick and easy opening and closing, odorless and leak-proof stainless steel lid.<br>Capacity (L/s) Wall thickness (mm) Oil volume (L) Minimum size (mm) | | |
| 25.620.1201 | 1 / min. 1.5 / 47 880x510x490 | 12.301,25 | 414,38 |
| 25.620.1202 | 2 / min. 1.5 / 80 1190x660x710 | 16.050,13 | 552,50 |
| 25.620.1203 | 3 / min. 1.5 / 135 1250x850x970 | 24.303,50 | 690,63 |
| 25.620.1204 | 4 / min.2 / 160 1580x910x1030 | 28.910,38 | 828,75 |
| 25.620.1205 | 7 / min.3 / 350 2000x1000x1300 | 42.722,88 | 966,88 |
| 25.620.1206 | 10 / min.3 / 500 2500x1430x1300 | 58.626,75 | 1.105,00 |
| 25.620.2000 | The cost to be added to pos. 25.620.1200 in case of using a solid waste oil separator with automatic unloading (electrical control panel, motor with gearbox, electrical heater) | 8.669,38 | |
| **25.622.1000** | **REFRIGERATORS: (Unit: Pieces:)**<br>Note: Shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD) and Directive (2006/42/EC) Machinery | | |
| **25.622.1100** | **SHOWCASE TYPE REFRIGERATORS: (TS EN ISO 23953-2) (Unit: Qty.)**<br>Supply and installation on site of the show case type refrigerators, useful capacity and engine power are given as follows: Doors and housing are double-walled, 304 grade 18/8 Cr-Ni stainless steel interior and exterior, two-wall polyurethane-insulated, glasses of 4 mm thickness each, double glazing, leak-proof, 304 grade 18/8 Cr-Ni frame with adequate amount of stainless steel wire or glass shelves, with interior lighting. | | |
| 25.622.1101 | 1000x700x1350 mm | 26.907,25 | 276,25 |
| 25.622.1102 | 1200x700x1350 mm | 32.121,44 | 317,69 |
| 25.622.1103 | 1400x700x1350 mm | 34.527,94 | 372,94 |
| 25.622.1104 | 1600x700x1350 mm | 34.701,19 | 372,94 |
| 25.622.1105 | 1800x700x1350 mm | 35.188,13 | 414,38 |
| 25.622.1106 | 2000x700x1350 mm | 35.831,63 | 414,38 |
| 25.622.1107 | 2400x700x1350 mm | 49.914,38 | 414,38 |
| **25.622.1200** | **WAREHOUSE-TYPE REFRIGERATORS: (Unit: Qty.)**<br>External surfaces at least 0.60 mm, inner surfaces at least 0.50 mm, the bottom of the inner surface at least 0.50 mm thick, stainless steel sheet and the bottom of the inner surface sealed, (CFC-free) polyurethane of 40-45 kg/m³ density injected between the internal-external walls to obtain a mono block body, the doors are fitted with a magnetic or cushion-type gasket, the height adjustable side rails and plastic coated at least three stainless steel shelves have to exist, a thermostat with multistage temperature adjustment, on/off switch, temperature indicator for the internal temperature, sufficient amount of air louver must be present under the refrigerator to provide air circulation at +43°C outer temperature and 65% relative humidity, the fan/condensed group should be protected in order not be exposed to any damage, CFC free refrigerant should be used in the cooling group and any protection should be provided. Warehouse-type Refrigerators with 4 stainless steel, adjustable pedestals in the corners at the bottom, which shall be capable of automatic defrosting, and evaporating or discharging to the | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | drainage the evaporator fluid: The supply and installation of a undercounter refrigerator, internal temperature between -2/+ 8°C, cooling system of static or ventilator type, insulation thickness at least 50 mm, the number of doors and the approximate dimensions as given below.<br>Effective Volume Tak Ekovat or Comp. Power | | |
| 25.622.1201 | 600 Liters at least 0.20 kW | 22.435,75 | 276,25 |
| 25.622.1202 | 700 Liters min. 0.20 kW | 24.399,25 | 276,25 |
| 25.622.1203 | 1200 Liters minimum 0.5 kW | 31.785,75 | 276,25 |
| 25.622.1204 | 1400 Liters minimum 0.55 kW | 34.777,75 | 276,25 |
| **25.622.1400** | **Table Type Refrigerators: (Unit: Qty.)**<br>External surfaces at least 0.60 mm, inner surfaces at least 0.50 mm, upper table at least 1.0 mm, the bottom of the inner surface at least 0.50 mm thick, stainless steel sheet and the bottom of the inner surface corners are TIG welded for tightness, (CFC-free) polyurethane of 40-45 kg/m³ density injected between the internal-external walls to obtain a mono block body, the doors are fitted with a magnetic or cushion-type gasket, the door dimensions shall be as to take GN 1/1 pots and height adjustable side rails and plastic coated at least two stainless steel shelves have to exist, a thermostat with multistage temperature adjustment, on/off switch, temperature indicator for the internal temperature, sufficient amount of air louver must be present under the refrigerator to provide air circulation at +32ºC outer temperature and 65% relative humidity, the fan/condensed group should be protected in order not be exposed to any damage, CFC free refrigerant should be used in the cooling group and any protection should be provided. Height adjustment components (ball joint) must be provided which can make automatic defrosting and which allow the evaporator water to evaporate or leave to drain must be provided in the lower corners of the cabinet which are made of hard plastic or rubber and can be mounted on the pipe or profile. Table type refrigerators: The supply, installation and operation at the work site of an undercounter refrigerator, internal temperature between -2/+ 8°C, cooling system of static or ventilator type, insulation thickness of at least 50 mm, the number of doors and the approximate dimensions as given below. | | |
| 25.622.1401 | 2-door , min. 250 L | 24.668,94 | 317,69 |
| 25.622.1402 | 3-door , min. 300 L | 28.189,19 | 372,94 |
| 25.622.1403 | 4-door , min. 350 L | 36.277,13 | 414,38 |
| **25.622.1500** | **Table Type Deep Freezer: (Unit: Qty.)**<br>The supply, installation and delivery in working order of the undercounter type deep freezer with digital thermostat control, -18/-22 C internal temperature, cooling system of static or ventilator type, electrical heaters to prevent the freezing of the door seals, automatic defrosting system, insulation thickness min. 50 mm, other features the same as in item 25.622.1400, the number of doors and approximate dimensions as given below. | | |
| 25.622.1501 | 2-door , min. 250 L | 32.876,31 | 317,69 |
| 25.622.1502 | 3-door , min. 300 L | 38.537,44 | 372,94 |
| 25.622.1503 | 4-door , min. 350 L | 45.372,75 | 414,38 |
| **25.622.1600** | **Horizontal Type Stainless Steel Bottle Cooler Cabinets: (Unit: Qty.)**<br>External surfaces at least 0.60 mm, inner surfaces at least 0.50 mm, upper table at least 1.0 mm, the bottom of the inner surface at least 0.50 mm thick, stainless steel sheet and the bottom of the inner surface corners are TIG welded for tightness, (CFC-free) polyurethane of 40-45 kg/m³ density injected between the internal-external walls to obtain a mono block body, the doors are fitted with a magnetic or cushion-type gasket, height adjustable side rails and at least one plastic coated steel shelf have to exist, a thermostat with multistage temperature adjustment, on/off switch, temperature indicator for the internal temperature, sufficient amount of air louver must be present under the refrigerator to provide air circulation at +32ºC outer temperature and 65% relative humidity, the evaporator and the fan/condensed group shall be protected in order not be exposed to any damage, CFC free refrigerant shall be used in the cooling group and any protection shall be provided. Height adjustment components (ball joint) must be provided which can make automatic defrosting and which allow the evaporator water to evaporate or leave to drain must be provided in the lower corners of the cabinet which are made of hard plastic or rubber and can be mounted on the pipe or profile. Table type refrigerators: The supply, installation and operation at the work site of horizontal type bottle | | |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | cooler cabinets at least 90 cm high, internal temperature between -2/+ 8°C, cooling system of static or ventilator type, insulation thickness of at least 50 mm, the number of doors and the approximate dimensions as given below. | | |
| 25.622.1601 | 1 glass door, at least 180 L | 17.395,63 | 414,38 |
| 25.622.1602 | 1 stainless steel door, at least 180 L | 20.345,00 | 414,38 |
| 25.622.1603 | 2 glass doors, at least 200 L | 22.758,13 | 414,38 |
| 25.622.1604 | 3 glass doors, at least 440 L | 29.550,63 | 414,38 |
| **25.625.1100** | **COLD STORAGE ROOM DOORS (Unit: Qty.)**<br>Supply and installation of cold storage room doors insulated with polyurethane with 40 kg/m³ density, equipped with a handle for opening the door from inside, and which can be installed with frames, or with or without sills. The doors shall be manufactured in compliance with TS EN 14509, the Regulation 305/2011/EU on Construction Products and released with a CE marking. | | |
| 25.625.1101 | Cold storage room door (coated) | 4.853,50 | 373,75 |
| 25.625.1102 | 304 Grade 18/8 Stainless steel-plate: | 8.665,00 | 373,75 |
| 25.625.1103 | Stainless steel-plated defrosting system (operating with 40 Volts) Minimum insulation thickness: 20 cm . | 10.952,69 | 483,44 |
| **25.625.1200** | **8-cm-thick, PVC-paneled or Polyester-coated cold storage room doors** | | |
| 25.625.1201 | 70 x 170 cm, clear transition | 7.668,94 | 320,94 |
| 25.625.1202 | 80 x 180 cm, clear transition | 8.073,75 | 373,75 |
| 25.625.1203 | 90 x 190 cm, clear transition | 8.315,75 | 373,75 |
| 25.625.1204 | 100 x 200 cm, clear transition | 8.724,63 | 430,63 |
| 25.625.1205 | 110 x 200 cm, clear transition | 8.931,44 | 483,44 |
| 25.625.1206 | 120 x 200 cm, clear transition | 9.481,44 | 483,44 |
| 25.625.1207 | 130 x 200 cm, clear transition | 9.930,25 | 536,25 |
| **25.625.1300** | **8-cm-thick, 304 grade 18/8 chrome-plated cold storage room doors**<br>Unit prices including installation as per 25.625.1200 shall be raised by 20 percent. | | |
| **25.625.1400** | **12-cm-thick, PVC-paneled or Polyester-coated cold storage room doors** | | |
| 25.625.1401 | 70 x 170 cm, clear transition | 7.860,63 | 373,75 |
| 25.625.1402 | 80 x 180 cm, clear transition | 8.142,73 | 430,63 |
| 25.625.1403 | 90 x 190 cm, clear transition | 8.741,69 | 483,44 |
| 25.625.1404 | 100 x 200 cm, clear transition | 9.673,95 | 536,25 |
| 25.625.1405 | 110 x 200 cm, clear transition | 10.269,06 | 589,06 |
| 25.625.1406 | 120 x 200 cm, clear transition | 10.303,94 | 645,94 |
| 25.625.1407 | 130 x 200 cm, clear transition | 10.758,79 | 645,94 |
| **25.625.1500** | **12-cm-thick, 304 grade 18/8 chrome-plated cold storage room doors**<br>Unit prices including installation as per 25.625.1400 shall be raised by 20 percent. | | |
| **25.625.2000** | **Modular Cold Chamber Panels (Unit: m²)**<br>Supply to the work site and installation of modular cold chamber panels with polyurethane insulation between galvanized sheet metal coated with 0.50-0.55-mm hygienic material on both sides, 40 to 42-kg/m³ polyurethane used as insulation material, with polyurethane panels equipped with a locking mechanism with an eccentric hook to allow assembly and disassembly, where the heat transmission coefficient of polyurethane used for panel insulation is k: 0.22 Kcal/hm² C and which shall be self-extinguishing as per the international standards. The panels shall be TSEK- or TSE-certified, manufactured in compliance with the Regulation 305/2011/EU on Construction Products, and bear a CE compliance marking. | | |
| **25.625.2100** | **Wall panel with both surfaces PVC paneled or coated with Polyester paint** | | |
| 25.625.2101 | 8-cm-thick, m² | 866,26 | 52,81 |
| 25.625.2102 | 12-cm-thick, m² | 1.034,56 | 52,81 |
| **25.625.2200** | **Wall panel with both sides 304 grade 18/8 chrome-plated** | | |
| 25.625.2201 | 8-cm-thick, m² | 1.487,09 | 105,63 |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.625.2202 | 12-cm-thick, m² | 1.713,83 | 105,63 |
| **25.625.2300** | **Ceiling panel with both surfaces PVC paneled or coated with Polyester paint** | | |
| 25.625.2301 | 8-cm-thick | 1.048,59 | 52,81 |
| 25.625.2302 | 12-cm-thick | 1.179,49 | 52,81 |
| **25.625.2400** | **Ceiling panel with both sides 304 grade 18/8 chrome-plated** | | |
| 25.625.2401 | 8-cm-thick | 1.529,16 | 105,63 |
| 25.625.2402 | 12-cm-thick | 1.769,93 | 105,63 |
| **25.625.2500** | **Flooring panel with the interior surface paneled with plywood** | | |
| 25.625.2501 | 8-cm-thick | 1.069,63 | 52,81 |
| 25.625.2502 | 12-cm-thick | 1.323,46 | 105,63 |
| **25.625.2600** | **304 grade 18/8 chrome-plated interior surface with flooring panel** | | |
| 25.625.2601 | 8-cm-thick | 1.471,68 | 52,81 |
| 25.625.2602 | 12-cm-thick | 1.790,96 | 105,63 |
| **25.625.3000** | **Poliizosiyanurat (PIR) Yalıtımlı Soğuk Oda Paneli (TS EN 14509)**<br>Panels with both surfaces 0.60 mm thick, coated with hygienic material, and polyisocyanurate between sheets of galvanized metal (Fire Reaction: min. B S2 d0, Polyisocyanurate density: min. 38-42 kg/m³, Sheet metal yield strength: min. 220 N/m², made of min. 125 g/m² galvanized sheet metal, exterior surface coated with 20 microns of polyester finish on 5 microns of epoxy primer (factory-coated with roller painting system), surfaces exposed to polyisocyanurate shall be coated with 5 microns of epoxy primer), with eccentric hook locking mechanism which can be assembled and disassembled, max. heat transmission coefficient (TS EN 12667) of λ= 0.022 W/m.K. The panels shall be manufactured as per TS EN 14509, compliant with Regulation 305/2011/EU on Construction Products, and released with the CE marking. | | |
| **25.625.3100** | **Both surfaces coated with polyester paint** | | |
| 25.625.3101 | With 80-mm filling | 846,61 | 105,63 |
| 25.625.3102 | With 100-mm filling | 928,43 | 105,63 |
| 25.625.3103 | With 120-mm filling | 993,88 | 105,63 |
| 25.625.3104 | With 150-mm filling | 1.122,44 | 105,63 |
| 25.625.3105 | With 200-mm filling | 1.272,04 | 105,63 |
| **25.625.3200** | **Both surfaces paneled with PVC laminated sheet metal** | | |
| 25.625.3201 | With 80-mm filling | 977,51 | 105,63 |
| 25.625.3202 | With 100-mm filling | 1.024,26 | 105,63 |
| 25.625.3203 | With 120-mm filling | 1.085,04 | 105,63 |
| 25.625.3204 | With 150-mm filling | 1.204,25 | 105,63 |
| 25.625.3205 | With 200-mm filling | 1.416,96 | 105,63 |
| **25.625.3300** | **Both sides 304 grade 18/8 chrome plated** | | |
| 25.625.3301 | With 80-mm filling | 1.720,84 | 105,63 |
| 25.625.3302 | With 100-mm filling | 1.807,33 | 105,63 |
| 25.625.3303 | With 120-mm filling | 1.940,56 | 105,63 |
| 25.625.3304 | With 150-mm filling | 2.034,06 | 105,63 |
| 25.625.3305 | With 200-mm filling | 2.181,33 | 105,63 |
| **25.625.3400** | **One surface coated with polyester paint, and the other plated with chrome** | | |
| 25.625.3401 | With 80-mm filling | 1.360,86 | 105,63 |
| 25.625.3402 | With 100-mm filling | 1.435,66 | 105,63 |
| 25.625.3403 | With 120-mm filling | 1.533,84 | 105,63 |
| 25.625.3404 | With 150-mm filling | 1.683,44 | 105,63 |
| 25.625.3405 | With 200-mm filling | 1.755,90 | 105,63 |
| **25.625.3500** | **One surface coated with polyester paint, and the other surface PVC-paneled** | | |
| 25.625.3501 | With 80-mm filling | 1.017,25 | 105,63 |
| 25.625.3502 | With 100-mm filling | 1.092,05 | 105,63 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.625.3503 | With 120-mm filling | 1.148,15 | 105,63 |
| 25.625.3504 | With 150-mm filling | 1.267,36 | 105,63 |
| 25.625.3505 | With 200-mm filling | 1.360,86 | 105,63 |
| **25.625.3600** | **One surface Grade 304 18/8 chrome-plated, and the other surface PVC-paneled** | | |
| 25.625.3601 | With 80-mm filling | 1.491,76 | 105,63 |
| 25.625.3602 | With 100-mm filling | 1.568,90 | 105,63 |
| 25.625.3603 | With 120-mm filling | 1.627,34 | 105,63 |
| 25.625.3604 | With 150-mm filling | 1.879,79 | 105,63 |
| 25.625.3605 | With 200-mm filling | 2.001,34 | 105,63 |
| **25.627.1000** | **MODULAR COLD ROOM DEVICE (Unit: Qty.)**<br>The cooling gas installation, electrical installation, electrical panel, control panel, compressor, condenser and fan motor shall be together in the condenser unit, paneled with a galvanized material coated with electrostatic paint to prevent visibility from outside; the external cabinets of the evaporator unit and the condenser unit shall be galvanized, visible surfaces shall be coated with electrostatic paint, and an air-cooled condenser shall be used in the modular cold storage device; the fin spacing shall be 6 to 8 mm for the evaporator and 2 to 3 mm for the condenser; the cold storage device shall be equipped with a digital cable remote control panel and the device shall operate with a programmable microprocessor; the cold storage device shall have an audiovisual alarm system which shall issue an alarm if the room temperature fails to reach a preset value; the cold storage device shall protect the system against obstructions and overpollution by turning the device off by a high-pressure switch, and warn the user; the capacities of condensers and evaporators shall be selected to be compatible with the capacities to be chosen; and TSE- or CE-certified modular type cold storage devices shall be supplied to the work site and installed in working order with the piping system, thermometers and coolant fluids. | | |
| **25.627.1100** | **Modular cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -5 / +5°C, and equipped with a hermetically-sealed compressor**<br>(+45°C condensation, -15°C evaporation) | | |
| 25.627.1101 | (1000 kcal/h) | 32.023,13 | 1.291,88 |
| 25.627.1102 | (1500 kcal/h) | 35.325,63 | 1.665,63 |
| 25.627.1103 | (2000 kcal/h) | 37.901,25 | 1.828,13 |
| 25.627.1104 | (2500 kcal/h) | 39.601,56 | 2.043,44 |
| 25.627.1105 | (3000 kcal/h) | 42.633,44 | 2.311,56 |
| 25.627.1106 | (3500 kcal/h) | 49.902,50 | 2.526,88 |
| 25.627.1107 | (4000 kcal/h) | 50.319,06 | 2.799,06 |
| 25.627.1108 | (4500 kcal/h) | 54.767,50 | 2.957,50 |
| 25.627.1109 | (5,000 kcal/h) | 58.050,94 | 3.229,69 |
| 25.627.1110 | (5500 kcal/h) | 59.620,94 | 3.335,31 |
| 25.627.1111 | (6000 kcal/h) | 63.457,19 | 3.603,44 |
| 25.627.1112 | (6500 kcal/h) | 67.785,94 | 3.765,94 |
| 25.627.1113 | (7000 kcal/h) | 72.671,56 | 3.928,44 |
| 25.627.1114 | (7500 kcal/h) | 73.352,19 | 4.196,56 |
| 25.627.1115 | (8,000 kcal/h) | 82.589,69 | 4.895,31 |
| 25.627.1116 | (8500 kcal/h) | 84.310,63 | 5.110,63 |
| 25.627.1117 | (9000 kcal/h) | 86.485,31 | 5.325,94 |
| 25.627.1118 | (9500 kcal/h) | 91.297,50 | 5.435,63 |
| 25.627.1119 | (10,000 kcal/h) | 97.196,25 | 5.703,75 |
| 25.627.1120 | (11,000 kcal/h) | 135.986,88 | 6.028,75 |
| 25.627.1121 | (12,000 kcal/h) | 144.062,81 | 6.617,81 |
| 25.627.1122 | (13,000 kcal/h) | 170.107,19 | 7.210,94 |
| 25.627.1123 | (14,000 kcal/h) | 181.796,56 | 7.535,94 |
| 25.627.1124 | (15,000 kcal/h) | 195.791,88 | 7.856,88 |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.627.1125 | (20,000 kcal/h) | 223.818,75 | 8.287,50 |
| 25.627.1126 | (25,000 kcal/h) | 244.859,38 | 10.765,63 |
| 25.627.1127 | (30,000 kcal/h) | 274.810,00 | 14.316,25 |
| 25.627.1128 | (35,000 kcal/h) | 290.485,00 | 14.316,25 |
| 25.627.1129 | (40,000 kcal/h) | 301.622,50 | 14.316,25 |
| 25.627.1130 | (45,000 kcal/h) | 324.928,75 | 14.316,25 |
| 25.627.1131 | (50,000 kcal/h) | 343.491,25 | 14.316,25 |
| **25.627.1200** | **Modular cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -5/+5°C, and equipped with a semi-hermetically-sealed compressor** (+45°C condensation, -15°C evaporation) | | |
| 25.627.1201 | (1000 kcal/h) | 52.316,25 | 5.435,63 |
| 25.627.1202 | (1500 kcal/h) | 56.688,75 | 5.435,63 |
| 25.627.1203 | (2000 kcal/h) | 60.174,38 | 5.435,63 |
| 25.627.1204 | (2500 kcal/h) | 67.846,88 | 5.435,63 |
| 25.627.1205 | (3000 kcal/h) | 72.322,50 | 5.435,63 |
| 25.627.1206 | (3500 kcal/h) | 72.817,50 | 5.435,63 |
| 25.627.1207 | (4000 kcal/h) | 84.491,25 | 5.435,63 |
| 25.627.1208 | (4500 kcal/h) | 90.039,38 | 5.435,63 |
| 25.627.1209 | (5,000 kcal/h) | 94.267,50 | 5.435,63 |
| 25.627.1210 | (5500 kcal/h) | 98.124,38 | 5.435,63 |
| 25.627.1211 | (6000 kcal/h) | 103.053,75 | 5.435,63 |
| 25.627.1212 | (6500 kcal/h) | 107.983,13 | 5.435,63 |
| 25.627.1213 | (7000 kcal/h) | 117.326,25 | 5.435,63 |
| 25.627.1214 | (7500 kcal/h) | 124.648,13 | 5.971,88 |
| 25.627.1215 | (8,000 kcal/h) | 126.463,13 | 5.971,88 |
| 25.627.1216 | (8500 kcal/h) | 135.521,56 | 6.512,19 |
| 25.627.1217 | (9000 kcal/h) | 136.573,44 | 6.512,19 |
| 25.627.1218 | (9500 kcal/h) | 148.824,69 | 6.512,19 |
| 25.627.1219 | (10,000 kcal/h) | 149.484,69 | 6.512,19 |
| 25.627.1220 | (11,000 kcal/h) | 155.445,31 | 6.512,19 |
| 25.627.1221 | (12,000 kcal/h) | 163.880,94 | 6.512,19 |
| 25.627.1222 | (12,500 kcal/h) | 164.458,44 | 7.048,44 |
| 25.627.1223 | (13,000 kcal/h) | 166.685,94 | 7.048,44 |
| 25.627.1224 | (14,000 kcal/h) | 168.624,69 | 7.048,44 |
| 25.627.1225 | (15,000 kcal/h) | 181.271,88 | 7.588,75 |
| 25.627.1226 | (17,500 kcal/h) | 187.495,63 | 8.181,88 |
| 25.627.1227 | (20,000 kcal/h) | 219.505,63 | 8.718,13 |
| 25.627.1228 | (25,000 kcal/h) | 239.710,63 | 9.741,88 |
| 25.627.1229 | (30,000 kcal/h) | 268.837,19 | 10.818,44 |
| 25.627.1230 | (35,000 kcal/h) | 280.762,50 | 12.431,25 |
| 25.627.1231 | (40,000 kcal/h) | 320.201,56 | 13.507,81 |
| 25.627.1232 | (45,000 kcal/h) | 349.016,25 | 14.478,75 |
| 25.627.1233 | (50,000 kcal/h) | 377.085,94 | 16.148,44 |
| **25.627.1300** | **Modular scroll-type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -5/+5°C, and equipped with a compressor** (+45°C condensation, -15°C evaporation) | | |
| 25.627.1301 | (1000 kcal/h) | 43.550,63 | 5.435,63 |
| 25.627.1302 | (1500 kcal/h) | 48.919,51 | 5.435,63 |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.627.1303 | (2000 kcal/h) | 51.668,76 | 5.435,63 |
| 25.627.1304 | (2500 kcal/h) | 60.015,01 | 5.435,63 |
| 25.627.1305 | (3000 kcal/h) | 63.669,90 | 5.435,63 |
| 25.627.1306 | (3500 kcal/h) | 66.767,50 | 5.435,63 |
| 25.627.1307 | (4000 kcal/h) | 71.743,63 | 5.435,63 |
| 25.627.1308 | (4500 kcal/h) | 81.017,38 | 5.435,63 |
| 25.627.1309 | (5,000 kcal/h) | 81.451,13 | 5.435,63 |
| 25.627.1310 | (5500 kcal/h) | 88.959,53 | 5.435,63 |
| 25.627.1311 | (6000 kcal/h) | 93.087,75 | 5.435,63 |
| 25.627.1312 | (6500 kcal/h) | 96.967,31 | 5.435,63 |
| 25.627.1313 | (7000 kcal/h) | 104.485,13 | 5.435,63 |
| 25.627.1314 | (7500 kcal/h) | 111.276,94 | 5.971,88 |
| 25.627.1315 | (8,000 kcal/h) | 117.068,44 | 5.971,88 |
| 25.627.1316 | (8500 kcal/h) | 120.003,31 | 6.512,19 |
| 25.627.1317 | (9000 kcal/h) | 122.899,06 | 6.512,19 |
| 25.627.1318 | (9500 kcal/h) | 127.966,63 | 6.512,19 |
| 25.627.1319 | (10,000 kcal/h) | 136.022,75 | 6.512,19 |
| 25.627.1320 | (11,000 kcal/h) | 146.881,81 | 6.512,19 |
| 25.627.1321 | (12,000 kcal/h) | 150.835,63 | 6.512,19 |
| 25.627.1322 | (12,500 kcal/h) | 161.822,56 | 7.048,44 |
| 25.627.1323 | (13,000 kcal/h) | 162.360,88 | 7.048,44 |
| 25.627.1324 | (14,000 kcal/h) | 162.583,63 | 7.048,44 |
| 25.627.1325 | (15,000 kcal/h) | 168.878,31 | 7.588,75 |
| 25.627.1326 | (17,500 kcal/h) | 170.696,56 | 8.181,88 |
| 25.627.1327 | (20,000 kcal/h) | 213.833,75 | 8.718,13 |
| 25.627.1328 | (25,000 kcal/h) | 234.348,13 | 9.741,88 |
| 25.627.1329 | (30,000 kcal/h) | 254.172,81 | 10.818,44 |
| 25.627.1330 | (35,000 kcal/h) | 269.521,88 | 12.431,25 |
| 25.627.1331 | (40,000 kcal/h) | 303.268,44 | 13.507,81 |
| 25.627.1332 | (45,000 kcal/h) | 329.670,00 | 14.478,75 |
| 25.627.1333 | (50,000 kcal/h) | 374.219,06 | 16.148,44 |
| **25.627.1400.** | **Modular cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -15/-25°C, and equipped with a hermetically-sealed compressor** (+45 C condensation, -30°C evaporation) | | |
| 25.627.1401 | (1000 kcal/h) | 39.371,41 | 1.612,81 |
| 25.627.1402 | (2000 kcal/h) | 50.191,83 | 1.828,13 |
| 25.627.1403 | (2500 kcal/h) | 61.327,94 | 2.043,44 |
| 25.627.1404 | (3000 kcal/h) | 66.388,76 | 2.311,56 |
| 25.627.1405 | (3500 kcal/h) | 71.677,28 | 2.526,88 |
| 25.627.1406 | (4000 kcal/h) | 76.605,76 | 2.799,06 |
| 25.627.1407 | (4500 kcal/h) | 82.641,50 | 2.957,50 |
| 25.627.1408 | (5,000 kcal/h) | 88.127,69 | 3.229,69 |
| 25.627.1409 | (5500 kcal/h) | 94.441,71 | 3.335,31 |
| 25.627.1410 | (6000 kcal/h) | 102.108,44 | 3.603,44 |
| 25.627.1411 | (6500 kcal/h) | 110.118,34 | 3.765,94 |
| 25.627.1412 | (7000 kcal/h) | 118.908,14 | 3.928,44 |
| 25.627.1413 | (7500 kcal/h) | 128.374,46 | 4.196,56 |
| 25.627.1414 | (8,000 kcal/h) | 139.760,29 | 4.464,69 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.627.1415 | (8500 kcal/h) | 150.901,89 | 4.627,19 |
| 25.627.1416 | (9000 kcal/h) | 162.124,90 | 4.842,50 |
| 25.627.1417 | (9500 kcal/h) | 174.452,61 | 4.895,31 |
| 25.627.1418 | (10,000 kcal/h) | 186.902,90 | 5.167,50 |
| 25.627.1419 | (11,000 kcal/h) | 201.798,84 | 5.488,44 |
| 25.627.1420 | (12,000 kcal/h) | 216.864,98 | 5.971,88 |
| 25.627.1421 | (13,000 kcal/h) | 231.874,69 | 6.512,19 |
| 25.627.1422 | (14,000 kcal/h) | 250.518,00 | 6.890,00 |
| 25.627.1423 | (15,000 kcal/h) | 266.667,94 | 7.210,94 |
| 25.627.1424 | (20,000 kcal/h) | 287.439,75 | 7.588,75 |
| 25.627.1425 | (25,000 kcal/h) | 310.833,88 | 9.741,88 |
| 25.627.1426 | (30,000 kcal/h) | 338.179,96 | 12.971,56 |
| 25.627.1427 | (35,000 kcal/h) | 364.262,06 | 12.971,56 |
| 25.627.1428 | (40,000 kcal/h) | 388.783,26 | 12.971,56 |
| 25.627.1429 | (45,000 kcal/h) | 417.764,96 | 12.971,56 |
| 25.627.1430 | (50,000 kcal/h) | 447.328,56 | 12.971,56 |
| **25.627.1500** | **Modular cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -15/-25°C, and equipped with a semi-hermetically-sealed compressor** (+45 C condensation, -30°C evaporation) | | |
| 25.627.1501 | (1000 kcal/h) | 58.576,63 | 5.435,63 |
| 25.627.1502 | (1500 kcal/h) | 65.347,13 | 5.435,63 |
| 25.627.1503 | (2000 kcal/h) | 77.837,63 | 5.435,63 |
| 25.627.1504 | (2500 kcal/h) | 82.177,13 | 5.435,63 |
| 25.627.1505 | (3000 kcal/h) | 84.382,63 | 5.435,63 |
| 25.627.1506 | (3500 kcal/h) | 90.813,23 | 5.435,63 |
| 25.627.1507 | (4000 kcal/h) | 90.819,83 | 5.435,63 |
| 25.627.1508 | (4500 kcal/h) | 98.248,13 | 5.435,63 |
| 25.627.1509 | (5,000 kcal/h) | 99.974,03 | 5.435,63 |
| 25.627.1510 | (5500 kcal/h) | 110.924,53 | 5.435,63 |
| 25.627.1511 | (6000 kcal/h) | 111.903,53 | 5.435,63 |
| 25.627.1512 | (6500 kcal/h) | 122.382,13 | 5.435,63 |
| 25.627.1513 | (7000 kcal/h) | 142.248,13 | 5.435,63 |
| 25.627.1514 | (7500 kcal/h) | 143.059,38 | 5.971,88 |
| 25.627.1515 | (8,000 kcal/h) | 143.900,88 | 5.971,88 |
| 25.627.1516 | (8500 kcal/h) | 146.504,79 | 6.512,19 |
| 25.627.1517 | (9000 kcal/h) | 154.974,79 | 6.512,19 |
| 25.627.1518 | (9500 kcal/h) | 155.030,89 | 6.512,19 |
| 25.627.1519 | (10,000 kcal/h) | 176.033,19 | 6.512,19 |
| 25.627.1520 | (11,000 kcal/h) | 186.466,69 | 6.512,19 |
| 25.627.1521 | (12,000 kcal/h) | 197.154,29 | 6.512,19 |
| 25.627.1522 | (12,500 kcal/h) | 207.896,34 | 7.048,44 |
| 25.627.1523 | (13,000 kcal/h) | 209.515,54 | 7.048,44 |
| 25.627.1524 | (14,000 kcal/h) | 252.312,14 | 7.048,44 |
| 25.627.1525 | (15,000 kcal/h) | 274.117,65 | 7.588,75 |
| 25.627.1526 | (17,500 kcal/h) | 303.193,08 | 8.181,88 |
| 25.627.1527 | (20,000 kcal/h) | 343.496,53 | 8.718,13 |
| 25.627.1528 | (25,000 kcal/h) | 375.949,48 | 9.741,88 |
| 25.627.1529 | (30,000 kcal/h) | 419.890,84 | 10.818,44 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.627.1530 | (35,000 kcal/h) | 475.273,85 | 12.431,25 |
| 25.627.1531 | (40,000 kcal/h) | 542.489,01 | 13.507,81 |
| 25.627.1532 | (45,000 kcal/h) | 590.209,95 | 14.478,75 |
| 25.627.1533 | (50,000 kcal/h) | 677.439,84 | 16.148,44 |
| **25.627.1600** | **Modular scroll-type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -15 / -25°C, and equipped with a compressor** (+45 C condensation, -30°C evaporation) | | |
| 25.627.1601 | (1000 kcal/h) | 52.041,88 | 5.435,63 |
| 25.627.1602 | (1500 kcal/h) | 69.457,69 | 5.435,63 |
| 25.627.1603 | (2000 kcal/h) | 77.718,00 | 5.435,63 |
| 25.627.1604 | (2500 kcal/h) | 91.825,50 | 5.435,63 |
| 25.627.1605 | (3000 kcal/h) | 102.313,31 | 5.435,63 |
| 25.627.1606 | (3500 kcal/h) | 106.248,56 | 5.435,63 |
| 25.627.1607 | (4000 kcal/h) | 107.455,13 | 5.435,63 |
| 25.627.1608 | (4500 kcal/h) | 110.128,13 | 5.435,63 |
| 25.627.1609 | (5,000 kcal/h) | 116.290,88 | 5.435,63 |
| 25.627.1610 | (5500 kcal/h) | 127.112,81 | 5.435,63 |
| 25.627.1611 | (6000 kcal/h) | 137.136,56 | 5.435,63 |
| 25.627.1612 | (6500 kcal/h) | 143.670,56 | 5.435,63 |
| 25.627.1613 | (7000 kcal/h) | 151.336,88 | 5.435,63 |
| 25.627.1614 | (7500 kcal/h) | 157.221,19 | 5.435,63 |
| 25.627.1615 | (8,000 kcal/h) | 168.653,63 | 5.971,88 |
| 25.627.1616 | (8500 kcal/h) | 169.843,63 | 6.512,19 |
| 25.627.1617 | (9000 kcal/h) | 173.611,81 | 6.512,19 |
| 25.627.1618 | (9500 kcal/h) | 174.317,19 | 6.512,19 |
| 25.627.1619 | (10,000 kcal/h) | 198.448,44 | 6.512,19 |
| 25.627.1620 | (11,000 kcal/h) | 198.819,69 | 6.512,19 |
| 25.627.1621 | (12,000 kcal/h) | 210.514,06 | 6.512,19 |
| 25.627.1622 | (12,500 kcal/h) | 235.795,31 | 7.105,31 |
| 25.627.1623 | (13,000 kcal/h) | 236.537,81 | 7.105,31 |
| 25.627.1624 | (14,000 kcal/h) | 238.765,31 | 7.105,31 |
| 25.627.1625 | (15,000 kcal/h) | 272.920,31 | 7.105,31 |
| 25.627.1626 | (17,500 kcal/h) | 287.176,25 | 8.181,88 |
| 25.627.1627 | (20,000 kcal/h) | 289.568,75 | 8.718,13 |
| 25.627.1628 | (25,000 kcal/h) | 398.811,88 | 9.741,88 |
| 25.627.1629 | (30,000 kcal/h) | 462.815,31 | 10.818,44 |
| 25.627.1630 | (35,000 kcal/h) | 534.780,00 | 12.431,25 |
| 25.627.1631 | (40,000 kcal/h) | 607.693,44 | 13.507,81 |
| 25.627.1632 | (45,000 kcal/h) | 681.243,75 | 14.478,75 |
| 25.627.1633 | (50,000 kcal/h) | 775.354,69 | 16.148,44 |
| **25.630.1000** | **LAUNDRY WASHING MACHINE, FULLY AUTOMATED: (Unit: Qty.)(TS EN ISO 10472-2)** Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The machine will have capacity to divide the drum volume by 10. Lower electricity, water and detergent consumption, shorter water intake and discharge times, and lower amount of residual water on the laundry following rinsing would allow for economical use of resources and thus create efficiency; as such the manufacturers shall take these points into consideration. Exterior coating, all surfaces (inner rotor front and | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | back covers, back cover reinforcements, inner rotor shaft connection bearing, outer rotor back cover and reinforcements) that come into contact with the laundry and water, glass observation port and chassis (1.5-2 mm thick) shall be of AISI 304 Grade 18/8 Cr-Ni stainless steel, plate or profile, with a thickness of 1.2-2 mm. The machine shall have a safety system to prevent the opening of the unloading hatch while the machine is working, washing will be monitored during the washing process by fitting a glass to the hatch and water tightness shall be ensured by way of a gasket. With the belt drive system, the washing shall be done at 25-60 RPM and the tumbling at 50/110 RPM capable to spin in two stages. There shall be at least 15 fixed washing + tumbling programs and at least 10 customizable programs prepared on the touch screen microprocessor control panel on the machine. To be supplied, installed delivered in working order with water level switch with at least two different water levels to be adjusted automatically, at least three-chamber detergent unit made of polyester and Cr-Ni stainless steel, discharge system to discharge excessive water and foam, a system to prevent the vibration and imbalance, machine shaft with ceramic or stainless steel bushings or with hard chrome plating against corrosion and supported in at least roll bearings at the back of the machine and having Viton seals, can be connected to liquid detergent dosing system, with electric heating option, capable to do the intake and discharge of hot water and cold water automatically, furnished with control panel | | |
| **25.630.1200** | **304 grade 18/8 CR-Ni or Polyester exterior surface with steam heating system** | | |
| 25.630.1201 | For 20 kg/round capacity | 136.477,13 | 991,50 |
| 25.630.1202 | For 30 kg/round capacity | 166.481,00 | 1.357,25 |
| 25.630.1203 | For 40 kg/round capacity | 197.515,50 | 1.763,63 |
| 25.630.1204 | For 50 kg/round capacity | 224.239,25 | 1.901,75 |
| 25.630.1205 | For 60 kg/round capacity | 296.564,88 | 2.039,88 |
| **25.630.1300** | **304 grade 18/8 CR-Ni or Polyester exterior surface with steam heating system** | | |
| 25.630.1301 | For 20 kg/round capacity | 111.928,63 | 1.032,13 |
| 25.630.1302 | For 30 kg/round capacity | 138.343,63 | 1.385,38 |
| 25.630.1303 | For 40 kg/round capacity | 154.526,00 | 1.819,88 |
| 25.630.1304 | For 50 kg/round capacity | 181.780,50 | 1.958,00 |
| 25.630.1305 | For 60 kg/round capacity | 241.841,13 | 2.096,13 |
| **25.630.2000** | **LAUNDRY WASHING AND TUMBLING MACHINE (Unit: Qty.)**<br>Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The machine will have capacity to divide the drum volume by 10. Exterior coating, all surfaces (inner rotor front and back covers, back cover reinforcements, inner rotor shaft connection bearing, outer rotor back cover and reinforcements) that come into contact with the laundry and water, glass observation port and chassis (minimum 3 mm thick) shall be of AISI 304 Grade 18/8 Cr-Ni stainless steel, plate or profile. The machine shall have a safety system to prevent the opening of the unloading hatch while the machine is working, washing will be monitored during the washing process by fitting a glass to the hatch and water tightness shall be ensured by way of a gasket. With the belt drive system, the washing shall be done at 25-60 RPM and the tumbling at 50/110 RPM capable to spin in two stages, the high tumbling speed shall be to meet at least G= 300 value. (G= 0.558 x Dt x $Nt^2$/1,000,000 according to DIN 11901 Dt= Drum diameter mm, $Nt^2$= fast tumbling speed in square). There shall be at least 15 fixed washing + tumbling programs and at least 15 customizable programs prepared on the touch screen microprocessor control panel on the machine. To be supplied, installed delivered in working order with water level switch with at least two different water levels to be adjusted automatically, at least three-chamber detergent unit made of polyester and Cr-Ni stainless steel, discharge system to discharge excessive water and foam, a system to prevent the vibration and imbalance, machine shaft with ceramic or stainless steel bushings or with hard chrome plating against corrosion and supported in at least roll bearings on the right hand side and left hand side of the machine and having Viton seals, can be connected to liquid detergent dosing system, with electric/steam heating option, capable to do the intake and discharge of steam, hot water, cold water automatically, suitable for the purpose of hygienic washing, at 20 and 40 kg capacities hygiene for the purpose of washing, shall have single or double inlet-outlet drum hatches for 20 and 40 kg capacities, double inlet double outlet drum hatches for 60 kg capacity. The supply, installation and delivery in working order of the machine with the control panel, which is suitable for the panel assembly that separates the clean and dirty part from each other, in the work place. | | |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| **25.630.2100** | **Automatic washing and tumbling machine with hygienic barrier, DKP exterior panel, steam heating system.** | | |
| 25.630.2101 | For 20 kg/round capacity | 186.781,50 | 991,50 |
| 25.630.2102 | For 40 kg/round capacity | 248.933,63 | 1.763,63 |
| 25.630.2103 | **For 60 kg/round capacity**<br>Note: 8 percent price difference is paid if the machine heating system is electric | 368.504,88 | 2.039,88 |
| **25.630.2200** | **Automatic washing and tumbling machine with hygienic barrier, Cr-Ni or polyester exterior panel, steam heating system.** | | |
| 25.630.2201 | For 20 kg/round capacity | 203.941,50 | 991,50 |
| 25.630.2202 | For 40 kg/round capacity | 256.358,63 | 1.763,63 |
| 25.630.2203 | **For 60 kg/round capacity**<br>Note: 8 percent price difference is paid if the machine heating system is electric | 400.679,88 | 2.039,88 |
| **25.632.1000** | **LAUNDRY DRYING MACHINES: (Unit: Qty.)**<br>Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety, in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits and the standard (TS EN ISO 10472-4). With electric, steam or gas drying system. There will be an electronic control panel with at least 3 programs on the machine and the machine will perform its functions according to the programs in this control panel. The motor of the machine will be driven by an inverter. The machine shall have a safety system to stop the machine while the machine is working, drying will be monitored during the drying process by fitting a glass to the hatch and air tightness shall be ensured by way of a gasket. The machine will carry out the drying operations between 25-75 rpm. The machine will have 1 fan and particle filter to expel the moisture from the drying clothes. The supply and installation of the drying machine with thermal losses prevented by the body insulation, the humidity of the clothes dried and the drying temperature can be measured from the exhaust. | | |
| 25.632.1001 | The tumble dryer, with steam: 20 kg/hour, with the tumbler volume of 400 L. | 71.292,50 | 991,50 |
| 25.632.1002 | The tumble dryer, with steam: 30 kg/hour, with the tumbler volume of 600 L. | 78.203,25 | 1.357,25 |
| 25.632.1003 | Laundry drying machine, LPG-heated: 20 kg/hour, with a tumbler volume of 400 L. | 73.159,75 | 991,50 |
| 25.632.1004 | Laundry drying machine, LPG-heated: 30 kg/hour, with a tumbler volume of 600 L. | 84.151,50 | 1.357,25 |
| 25.632.1005 | The tumble dryer, electrical, 20 kg/hour, with the tumbler volume of 400 L. | 72.909,50 | 991,50 |
| 25.632.1006 | The tumble dryer, electrical, 30 kg/hour, with the tumbler volume of 600 L. | 79.781,75 | 1.357,25 |
| 25.632.1007 | The tumble dryer, with steam: 40 kg/hour, with the tumbler volume of 800 L. | 105.790,63 | 1.763,63 |
| 25.632.1008 | The tumble dryer, with steam: 60 kg/hour, with the tumbler volume of 1200 L. | 128.377,63 | 2.039,88 |
| 25.632.1009 | The tumble dryer, electrical, 40 kg/hour, with the tumbler volume of 800 L. | 105.790,63 | 1.763,63 |
| 25.632.1010 | Laundry drying machine, electric, 60 kg/hour, with a tumbler volume of 1200 L. | 134.922,63 | 2.039,88 |
| 25.632.1011 | Laundry drying machine, with steam: 80 kg/hour, with a tumbler volume of 1500 L. | 242.225,50 | 2.178,00 |
| **25.632.2000** | **COMBI WASHING, TUMBLING AND DRYING MACHINE: (Unit: Pieces)**<br>Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. With the below given quantity of the laundry washed and dried at once, duplex, lower part the washing machine, upper part the drying machine, both parts can be operated at the same time or separately, for the washing part, the inner drum volume has 1/10 loading ratio, when the inner and outer drum as well as the sight glass are open, the machine does not start, with the belt driven system, the washing speed is approximately 25-60 RPM and the tumbling speed is 50/110 RPM tumbling at least in 2 stages, the higher tumbling speed must meet at least the value G= 300 (G= 0.558 x Dt x Nt2/1,000,000 TRY) There shall be at least 15 fixed washing + tumbling programs and 10°Customizable programs prepared on the touch screen microprocessor control panel on the machine. The supply and installation of the washing and drying machine, water level switch can be used to adjust at least two different water levels automatically, injection molded plastic detergent unit, shock absorber and 360 degree movable base system with vibration and balancing device, at the back of the machine with at least 2 bearings and corrosion resistant | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | ceramic covered machine shaft with viton rubber seals, which can be connected to the liquid detergent dosing system; For drying section, can dry tumbled laundry in the lower unit at once, heating with stainless steel heaters placed on the machine, with touchscreen control panel on it, 1/20 loading ratio with emergency stop button to stop the motor in emergency situations, with temperature adjustment, remaining time, adjustment machine in the workplace supply and installation, washing machine kW drying machine kW Combi 10 x 10= 7.5 kW Combi 10 x 10= 9.0 kW Combi 15 x 15= 9.0 kW Combi 15 x 15= 12.0 kW Combi 20 x 20= 12.0 kW Combi 20 x 20= 18.0 kW | | |
| **25.632.2100** | **Combi laundry washing - tumbling and drying machine, DKP exterior panel, electrical heating system.** | | |
| 25.632.2101 | 10 x 10 Combi Washing, Tumbling and Drying Machine | 137.431,38 | 991,50 |
| 25.632.2102 | 15 x 15 Combi Washing, Tumbling and Drying Machine | 162.303,63 | 1.089,00 |
| 25.632.2103 | 20 x 20 Combi Washing, Tumbling and Drying Machine | 171.826,13 | 1.227,13 |
| **25.632.2200** | **Combi washing, tumbling and drying machine, Cr-Ni or Polyester outer panel, electrical heating system.** | | |
| 25.632.2201 | 10 x 10 Combi Washing, Tumbling and Drying Machine | 147.423,50 | 991,50 |
| 25.632.2202 | 15 x 15 Combi Washing, Tumbling and Drying Machine | 155.689,88 | 1.089,00 |
| 25.632.2203 | 20 x 20 Combi Washing, Tumbling and Drying Machine | 174.364,38 | 1.227,13 |
| **25.635.1000** | **CYLINDER IRONING MACHINES: (Size: Name) (TS EN ISO 10472-5)**<br>Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The supply and installation of the ironing machines with the below given length and diameter, padded cylinder, after being suitably processed at least 2.5 mm thick 18/8 Cr-Ni cylinder bed and steam heater, condensate separator, steam valve, autoblocking endless screw, belt or chain driven motion mechanism to adjust the cylinder pressure, to lower and to lift the cylinder, the motion motor and the steam aspirator with sufficient capacity of which powers are given below, the safety device to automatically stop the engine when the hand gets stuck, the laundry feeding case and laundry removal tray made of non-corroding material, the mechanism to provide the motion back and forth, ironing machine steam or LPG heated, with solenoid valve and thermostat, including the fuses, switch and waterproof panel. | | |
| **25.635.1100** | **Cylinder ironing machine, with steam:** | | |
| | Cylinder ø / Size / Motion Motor Power / Suction Fan Motor Power | | |
| 25.635.1101 | 320 mm / 1800 mm / 0.75 kW / 0.37 kW | 87.006,38 | 958,88 |
| 25.635.1102 | 450 mm / 2100 mm / 1.50 kW / 0.75 kW | 105.257,50 | 1.365,25 |
| **25.635.1200** | **Cylinder ironing machine, with LPG.** | | |
| | Cylinder ø / Size / Motion Motor Power / Suction Fan Motor Power | | |
| 25.635.1201 | 320 mm / 1800 mm / 0.75 kW / 0.37 kW | 96.323,38 | 958,88 |
| 25.635.1202 | 450 mm / 2100 mm / 1.50 kW / 0.75 kW | 117.057,75 | 1.365,25 |
| **25.635.2000** | **CYLINDER IRONING MACHINE (Unit: Qty.)**<br>Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The supply and installation of the ironing machine with the below given length and diameter, coated against corrosion with a protection material, heat and wear resistant surface of the cylinder covered with Nomex (at least 4 mm thick, resistant to 200°C K-435 polyester), equipped with speed adjustment and finger protection system, humidity and steam collector hood, steam system or electrical heating system, furnished with a steam jet, with manual operating lever to remove the laundry from the machine in case of power failures, with an emergency stop button to stop the machine in an emergency, having laundry feeding case or tray at the same length with the cylinder, together with the control panel. The certificate of warranty shall be authenticated by the Ministry of Science, Industry and Technology and the certificate for After Sales Service Qualification shall exist. | | |
| **25.635.2100** | **Steam Heating System (at 4-10 ops pressure) (Unit: Qty.)** | | |

25.600.-Kitchen and Laundry Room Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Cylinder Diameter Ø mm. / Length mm | | |
| 25.635.2101 | 500 - 550 / 1500 | 96.260,88 | 1.365,25 |
| 25.635.2102 | 550 - 600 / 1800 | 108.588,38 | 1.503,38 |
| 25.635.2103 | 550 - 600 / 2000 | 124.236,50 | 1.641,50 |
| 25.635.2104 | 750 - 850 / 2000 | 188.848,38 | 1.779,63 |
| 25.635.2105 | 750 - 850 / 2500 | 215.654,75 | 2.186,00 |
| 25.635.2106 | 850 - 950 / 3000 | 256.217,88 | 2.324,13 |
| 25.635.2107 | 1000 - 1200 / 3000 | 342.362,25 | 2.462,25 |
| **25.635.2200** | **Electrical heating system (Unit: Qty.)** Cylinder Diameter Ø mm / Cylinder Length mm / Resistance Power min. | | |
| 25.635.2201 | 320 / 1500 / 9 K W | 85.185,88 | 958,88 |
| 25.635.2202 | 500 - 550 / 1500 / 15 K W | 95.512,88 | 1.365,25 |
| 25.635.2203 | 550 - 650 / 1800 / 18 K W | 113.387,88 | 1.365,25 |
| 25.635.2204 | 550 - 650 / 2000 / 21 K W | 125.560,75 | 1.365,25 |
| 25.635.2205 | 750 / 2000 / 23 K W | 178.259,50 | 1.779,63 |
| 25.635.2206 | 750 / 2500 / 30 K W | 203.816,00 | 2.186,00 |
| **25.635.2250** | **Gas heating system (Unit: Qty.)** Cylinder Diameter Ø mm / Cylinder Length mm / Motion Motor Power min. | | |
| 25.635.2251 | 320 / 1500 / 0,75 K W | 122.955,75 | 958,88 |
| 25.635.2252 | 500 - 550 / 1500 / 0,75 K W | 176.271,38 | 958,88 |
| 25.635.2253 | 550 - 650 / 1800 / 1,1 K W | 190.708,88 | 958,88 |
| 25.635.2254 | 550 - 650 / 2000 / 1,5 K W | 203.356,13 | 1.231,13 |
| 25.635.2255 | 750 / 2000 / 1,5 K W | 232.231,13 | 1.231,13 |
| 25.635.2256 | 750 / 2500 / 2,2 K W | 320.918,63 | 1.231,13 |
| **25.635.2300** | **PRESS IRONING MACHINE: (Unit: Pieces)** Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. Shall work with at least 2 atmospheres pressure steam. The supply and installation of the press ironing machine, upper ironing claw made of cast aluminum, steam pocket, cast iron lower cushion, tops of the claws made of perforated stainless sheet woven with perforated cotton and calico cushion, at least 0.25 kW aspirator for dehumidifying the laundry being ironed, foot pedals to control the aspirator, to lock/unlock the upper claw to/from the lower cushion, hand-operated steam valve and lever for steam injection from the top cushion, chassis made of profile black sheet metal and painted, flexible hoses for steam and condensate connections, table made of formica-coated chipboard or plywood, (The width of the ironing pad shall be approximately 20 cm at the narrow end, 40 cm at the wide place and 120 cm long.) | | |
| 25.635.2301 | **Electric Heated Manual Press Iron with Steam Generator: (Unit: Qty.)** Supply and installation of the press iron wit length min. 1,130 mm, narrow end of min.250 mm, wide end of min.345 mm in size, with upper and lower jaw complete aluminum, min. 0.8 mm perforated plate covered with non-flammable ironing cloth, pressure-controlled, foot control pedals for the locking and unlocking the lower cushion of the upper jaw; hand-operated steam valve and lever for steam spraying from the top cushion; chassis made of profile black sheet metal and painted, flexible hose for steam and condensate connections, vacuum motor and min 20 kW electric steam generator and condensate group with intermediate connections. Note: In the case of automatic electric self-steam generator, unit price including the installation will be paid up to 15 percent without increasing the installation costs. | 96.300,75 | 276,25 |
| 25.635.2302 | **Ironing Board With Built-In Boiler: (Unit: Pieces)** The supply and installation of the ironing board with vacuum motor, min. dimensions 1150 x 380 x 240 mm, 220/380 Volts power, not affected by voltage fluctuations (including min. 3 L water volume and min. 3700 Watts electric heater, min, 5 kg/h capacity, min. 2 bar pressure steam generator and hand iron). | 36.254,50 | 276,25 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# HOSPITAL INSTALLATIONS
# UNIT PRICES AND DEFINITIONS

2022/3

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.650.1100 | **Oxygen Cylinder (Unit: Qty.; Materials on construction site: 80%)**<br>The delivery of the steel cylinders in compliance with the standard TS EN ISO 9809-1-2, 50 L volume, refillable, seamless, hardened and tempered, with the valve protection cap, resistant to at least 150 atmosphere pressure, painted with oil paint in blue color, including all kinds of material and labor. | 4.627,19 | 69,06 |
| 25.650.1200 | **Rod Pipe Set and Connection: (Unit: Qty.; Materials on construction site.: 80%)**<br>The supply and on-site installation of the pipe set, 200 bar resistant, approximately 100 cm long spiral twisted, made of annealed electrolytic copper pipe, having bushings at both ends, (including collector pipe bushings), which do not allow the connection of the wrong cylinders, flexible ramp-cylinder and ramp-ramp connections, including all kind of materials and labor. | 642,85 | 69,06 |
| 25.650.1300 | **COLLECTOR: (Unit: Set; Materials on construction site.: 80%)**<br>The supply and on-site installation of the collector, connecting the cylinders with the automatic control and pressure reducing panel, manufactured from high pressure wrought brass, having 5 connection points for the connection of the gas cylinders and having a special design that does not allow the wrong connection of the cylinders, with check valves for each cylinder inlet, mounted on the wall and with a retainer, including all kinds of materials and labor. | 1.352,49 | 69,06 |
| 25.650.1400 | **High Pressure Reducer (Unit: Qty.; Materials on construction site.: 80%)**<br>The supply and on-site installation of a panel in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) Medical Devices, the pressure control unit released with CE compliance marking, in compliance with the standard TS EN ISO 10524-2, primary network pressure reducers to be used to adjust the inlet pressure of 200 bar to a pressure of 20 bar, two high pressure gas shut-off valves, one low pressure and two high pressure manometers in compliance with the standard TS EN 837-1, high pressure pressurestat (set to 20 bar), one ramp changer inverter system and alarm panel with digital or led indicator that gives the visual and audio alarms. | 11.800,75 | 325,00 |
| 25.650.1500 | **Second Pressure Reducer: (Unit: Qty.; Materials on construction site.: 80%)**<br>The supply and on-site installation of the second pressure reducing panel manufactured in compliance with the standard TS EN ISO 10524-2 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with two pressure regulators, two manometers reducing the inlet pressure in the range of 8 - 10 bar to 4 bar and regulating, four valves, two safety valves, two check valves, one low pressure and one high pressure set contact manometer. | 3.386,50 | 186,88 |
| 25.650.1600 | **Alarm System: (Unit: Qty.; Materials on construction site: 80%)**<br>The supply and on-site installation of an alarm system which is to be installed in the Oxygen center and other required places of the hospital and to warn the relevant persons with electric lamp signal in case the pressure in the Oxygen battery falls below a certain value (e.g.. 7 Atmospheres). | 4.655,63 | 186,88 |
| **25.650.2100** | **Vacuum Installation Vacuum Tank: (Unit: Qty.; Materials on site: 80%)**<br>The supply and on-site installation of a vacuum tank with required inner volume, resistant to at least (-0.9) atmosphere (negative) pressure, made of galvanized steel, with cleaning hatch, to be mounted on three legs or a ring, furnished with pipe and instrument connection points. | | |
| 25.650.2101 | 200 L | 4.747,44 | 207,19 |
| 25.650.2102 | 300 L | 6.141,69 | 207,19 |
| 25.650.2103 | 400 L | 7.656,19 | 255,94 |
| 25.650.2104 | 600 L | 9.979,94 | 255,94 |
| **25.650.2200** | **Vacuum Pump: (Unit: Set; Materials on construction site: 80%).**<br>The supply and on-site installation of two vacuum pumps in parallel, to obtain approximately between (-0.8) and (-0.9) atmosphere vacuum, one in operation the other on stand-by, with a vacuum pressurestat to be set between (-0.65) and (-0.70) atmosphere negative pressure and a vacuum relay, with the necessary (Pressurestat is paid separately from related unit prices.) (Pressurestat is paid separately from related unit prices.) (Pressurestat is paid separately from related unit prices.) | | |
| 25.650.2201 | 2 pumps, each delivering air at 60 m³/h flow and (-0.5) atmosphere pressure: | 72.716,31 | 394,06 |
| **25.650.3000** | **Nitrous Oxide Installation (Materials on construction site: 80%)** | | |
| 25.650.3100 | **Nitrous Oxide Cylinder: (Unit: Qty.) (TS EN 13322-1-2)**<br>The supply and installation of the cylinders for Nitrous Oxide filling, painted in green color, other features the same as pos. 25.650.1100. | 4.143,75 | 32,50 |
| **25.650.4100** | **Oxygen, Vacuum and Nitrous Oxide Intermediate Valve: (Unit: Qty.; Materials on construction site: 80%)**<br>The supply and mounting on the wall with dowel and brass screws of the valves to be used in | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Oxygen, vacuum and Nitrous Oxide installations, degreased and freed from harmful matters, tested to 30 atmosphere pressure, with an operating pressure of 12 atmosphere, having bushes at the inlet and outlet and a hand wheel for manual opening and closing. | | |
| 25.650.4101 | Ø8 mm (1/4″) | 329,23 | 32,50 |
| 25.650.4102 | Ø10 mm (3/8″) | 420,39 | 32,50 |
| 25.650.4103 | Ø15 mm (1/2″) | 445,41 | 32,50 |
| 25.650.4104 | Ø18 mm (5/8″) | 491,89 | 32,50 |
| **25.652.1100** | **Medical gas alarm panel (Unit: Qty.; Materials on construction site 80%)**<br>The supply and on-site installation of medical gas alarm panel, manufactured in compliance with the standard TS EN 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with separate light indicators for each gas, giving signals by monitoring the gas flow in a zone in “normal” and “alarm” positions, monitoring the pressure levels in the service zones by means of pressure switches against the set values and, in case, giving audible and visual alarms for warning, microprocessor controlled. | | |
| 25.652.1101 | For 2 gases | 4.620,50 | 325,00 |
| 25.652.1102 | For 3 gases | 5.234,06 | 394,06 |
| 25.652.1103 | For 4 gases | 5.777,81 | 442,81 |
| 25.652.1104 | For 5 gases | 6.430,63 | 463,13 |
| **25.652.1200** | **Medical gas valve boxes (Unit: Qty.; Materials on construction site: 80%)**<br>The supply and on-site installation of medical gas valve boxes manufactured in compliance with the standard TE EN ISO 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, in a box with oven-dried paint and a glass, locked door, with separate valves, lines and indicators for each gas, with pressure and vacuum switches. | | |
| 25.652.1201 | For 2 gases | 4.998,66 | 394,06 |
| 25.652.1202 | For 3 gases | 5.729,41 | 442,81 |
| 25.652.1203 | For 4 gases | 6.451,88 | 511,88 |
| 25.652.1204 | For 5 gases | 7.689,69 | 580,94 |
| **25.652.1300** | **Nitrous Oxide center (Unit: Qty.: Materials on site: 80%)**<br>The supply and on-site installation of the Nitrous Oxide center manufactured in compliance with the standard TS EN 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with a control panel to send gas to the hospital installation by reducing the high pressure coming from the cylinders to the operating pressure, right and left group cylinder ramps, safety chain tube fasteners, collectors, flexible connections, safety valves, high pressure safety valve actuating in case of a pressure build-up in the pressure reducer, microprocessor controlled, transmitting information to the automation and computer systems, switching to the right and left groups automatically in sequence, incorporating all the necessary pressure regulators, safety valves, pressure indicators and alarms in order to feed the installation at the design pressure. Note: Excluding Nitrous Oxide cylinders | | |
| 25.652.1301 | 2x3 + 1x3 cylinder system | 65.473,50 | 2.047,50 |
| 25.652.1302 | 2x4 + 1x4 cylinder system | 73.403,59 | 2.303,44 |
| 25.652.1303 | 2x5 + 1x5 cylinder system | 80.883,41 | 2.815,31 |
| 25.652.1304 | 2x10 + 1x10 cylinder system | 102.751,43 | 3.583,13 |
| **25.652.1400** | **Medical air center (Unit: Set; Materials on construction site: 80%)**<br>Complete with triple compressor group, automatic control panel, air tank, drier, filter group and pressure regulators, the control panel cutting-in or cutting-out the compressors in sequence or as much as necessary until sufficient pressure is built up. Manufactured in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE conformance marking, with automatic control panel, alarm, air tank, 3 pieces. The supply and installation of screw compressors (with system co-aging), filter group, dryer (compressed air driers while delivering air in European Pharmacopoeia Standards, also complying with International Breathable Air Standards) and regulators. | | |
| 25.652.1401 | 3 x 35 m³/h (Tank = 500 L) | 388.882,50 | 3.071,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.652.1402 | 3 x 40 m³/h (Tank = 500 L) | 401.274,38 | 3.583,13 |
| 25.652.1403 | 3 x 60 m³/h (Tank = 2 x 500 L) | 460.630,94 | 4.350,94 |
| 25.652.1404 | 3 x 110 m³/h (Tank = 2 x 1000 L) | 625.114,69 | 5.374,69 |
| 25.652.1405 | 3 x 150 m³/h (Tank = 2 x 1000 L) | 668.268,44 | 6.398,44 |
| **25.652.1500** | **Medical vacuum center (Unit: Set; Materials on construction site: 80%)**<br>Supply to the work site and installation of a medical vacuum center with three pump groups, an automatic control panel, a vacuum tank, bacteria filter and collecting jar, manufactured in compliance with TS EN ISO 7396-1 and 93/42/EEC Medical Devices Directive, which shall be, by means of its control panel, capable of activating or deactivating the pumps in turns or the necessary number of pumps to provide a sufficient level of vacuum. | | |
| 25.652.1501 | 3 x 40 m³/h (Tank = 500 L) | 221.715,31 | 2.815,31 |
| 25.652.1502 | 3 x 60 m³/h (Tank = 500 L) | 248.354,28 | 3.209,38 |
| 25.652.1503 | 3 x 100 m³/h (Tank = 500 L) | 260.062,00 | 3.396,25 |
| 25.652.1504 | 3 x 160 m³/h (Tank = 1000 L) | 359.257,50 | 4.095,00 |
| 25.652.1505 | 3 x 250 m³/h (Tank = 1000 L) | 458.431,50 | 5.118,75 |
| 25.652.1600 | **Anesthetic gas discharge system (venturi type) (Unit: Set; Materials on construction site: 80%)**<br>The supply and on-site installation of the anesthetic gas evacuation system manufactured in compliance with the standards TS EN ISO 7396-1, TS EN ISO 7396-2 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, designed specifically to extract from the patient exhalation circuit and to discharge the anesthetic gas, which is sucked at each gas evacuation socket where with a connection from the air supply line a venturi system creates vacuum, through the copper pipe line under the control of a flow regulator. | 4.286,08 | 442,81 |
| **25.652.1700** | **Type Anesthetic Gas Evacuation System With Electro pump**<br>The supply and on-site installation of the anesthetic gas evacuation systems manufactured in compliance with the standard TS EN ISO 7396-2 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with lateral channel, discharging the gases from the gas evacuation system into the atmosphere by way of a blowing pump, switched on with a push button on the control panel, one running, one standby. | | |
| 25.652.1701 | Anesthetic gas discharge system with electro pump 30+30m³/h | 65.770,66 | 767,81 |
| 25.652.1702 | Anesthetic gas discharge system with electro pump 70+70m³/h | 83.888,31 | 1.279,69 |
| 25.652.1703 | Anesthetic gas discharge system with electro pump 100+100m³/h | 99.039,90 | 1.535,63 |
| 25.652.1704 | Anesthetic gas discharge system with electro pump 130+130m³/h | 125.937,56 | 1.791,56 |
| **25.652.1800** | **Oxygen center: (Unit: Set, Materials on construction site: 80%)**<br>The supply and on-site installation of the Oxygen center manufactured in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with automatic control panel to reduce the incoming pressure from the cylinders to the operating pressure and sending to the system, rod pipe set, safety valve, safety alarm, cylinder fastening chain, cylinder separator, alarm system for the center, flexible connection between the cylinder ramps, combined cut-off valve and emergency socket, high pressure gas bleed valve, pressure gauges. Note: Except Oxygen cylinders | | |
| 25.652.1801 | 2x5 + 1x5 cylinder system | 81.093,78 | 2.047,50 |
| 25.652.1802 | 2x8 + 1x8 cylinder system | 97.080,31 | 2.559,38 |
| 25.652.1803 | 2x10 + 1x10 cylinder system | 106.782,00 | 3.071,25 |
| 25.652.1804 | 2x20 + 1x20 cylinder system | 131.936,18 | 4.095,00 |
| **25.655.1000** | **Medical gas sockets (Unit: Qty.; Materials on construction site 80%)**<br>The supply and on-site installation of gas sockets manufactured in compliance with the standard TS EN ISO 9170-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, capable of working only with its own gas plug (gas specific), tested in accordance with the test procedures set out in the standard TS EN ISO 9170. | | |
| 25.655.1001 | Oxygen socket | 600,36 | 69,06 |
| 25.655.1002 | Vacuum socket | 600,36 | 69,06 |
| 25.655.1003 | Nitrous Oxide socket | 600,36 | 69,06 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.655.1004 | Compressed air socket | 600,36 | 69,06 |
| 25.655.1005 | Anesthetic gas discharge socket | 1.087,94 | 69,06 |
| **25.660.1000** | **Medical copper pipes (Unit: m: Materials on construction site: 60%)**<br>The supply and on-site installation of the copper pipes in compliance with the standard TS EN 13348 and the Directive (2014/68/EU) on Pressure Equipment, released with CE compliance marking, the use of elbows, fittings and T-junctions etc. made of the same copper for the connection of seamless, semi-rigid, straight pipes and soldered with silver-copper-phosphorus alloy under inert gas flow, clamping with brass, bronze or plastic-based materials at the distances specified in HTM 0201, including the installation material.<br>Outside diameter od(mm) — Wall thicknesses wt(mm) | | |
| 25.660.1001 | 10 mm — 1.0 mm | 191,31 | 32,50 |
| 25.660.1002 | 12 mm — 1.0 mm | 240,81 | 32,50 |
| 25.660.1003 | 15 mm — 1.0 mm | 294,44 | 32,50 |
| 25.660.1004 | 22 mm — 1.0 mm | 391,38 | 32,50 |
| 25.660.1005 | 28 mm — 1.0 mm | 480,06 | 32,50 |
| 25.660.1006 | 35 mm — 1.5 mm | 764,69 | 32,50 |
| 25.660.1007 | 42 mm — 1.5 mm | 927,63 | 32,50 |
| 25.660.1008 | 54 mm — 2.0 mm | 1.331,38 | 65,00 |
| 25.660.1009 | 76 mm — 2.0 mm | 1.646,94 | 65,00 |
| 25.660.1010 | 108 mm — 2.5 mm | 2.849,38 | 65,00 |
| **25.665.1100** | **Package Type Morgue Unit: (Unit: Qty.)**<br>All the panels of the package type standard type morgue unit made of AISI 304 Grade Cr-Ni stainless steel plates shall be filled with polyurethane filling at a density of 40-42 kg/m³, insulated and sealed, outer panel insulation thickness to be at least 70 mm, the thickness of the intermediate panel insulation is at least 38 mm, the panels shall be removable. The floor and ceiling panels of the unit shall be connected with at least at 14 points by welding or PVC panel lock system, the front-rear and middle wall connections are fixed at distances of at least 600 mm, the individual water drain systems of the cells and the intermediate shelves between the cells shall be removable and sealed. The supply and on-site installation of the morgue unit, in case of opening from the front, at least 660 x 530 mm, in case of opening from the side at least 2015 x 460 mm in size, the cell inlet frame and the cell hatch locks and frames made of polyethylene based material, the hatch sealed with interchangeable gaskets, the door lock can be opened from the inside, the bolts holding the hatch hinges fixed with rivet nuts, the cooling system of each cell independent from each other, microprocessor-controlled refrigerated cooling group capable of cooling capacities specified in the design, conveyor system consisting of at least 5 rolls with up to 25 mm diameter on the intermediate shelf, removable as needed, each cell to have a corpse tray of at least 1900 mm x 600 mm size capable to take up to 150 kg weight based with PVC-based handles, with four wheels of 150 mm diameter each, two with brakes. | | |
| 25.665.1101 | **Package type morgue unit with single drawer : (Unit: Qty.)**<br>The supply and on-site installation of the morgue unit with a cooling unit with an at least 0.675 kW power hermetic compressor according to the approved design. | 38.635,06 | 650,00 |
| 25.665.1102 | **Package Type Unit With 2 Cubbies: (Unit: Qty.)**<br>The supply and on-site installation of the morgue unit with a cooling unit with an at least 1.75 kW power hermetic compressor and with 2 cubbies according to the approved design. | 75.787,81 | 767,81 |
| 25.665.1103 | **Package Type Unit With 3 Cubbies: (Unit: Qty.)**<br>The supply and on-site installation of the morgue unit with a cooling unit with an at least 2.62 kW power hermetic compressor according to the approved design. | 87.152,50 | 836,88 |
| 25.665.1200 | **Ablution Desk: (Unit: Qty.)**<br>The supply and on-site installation of the ablution desk completely made of AISI 304 Grade Cr-Ni stainless steel, with a thickness of 1.5 mm and a depth of at least 50 mm, table dimensions 2140 x 80 x 850 mm, with a turntable, slope and having a drain hole of 50 mm, legs of the frame to be of 40 x 40 box profile with 1.2 mm wall thickness, with 4 legs, 1.2 mm thick upper table shall be perforated and have 4 pieces of sheet plate at least 100 mm wide made of 0.8 mm thick AISI 304 Grade Cr-Ni stainless steel plate, with 1.5 m long chrome plated hose , spray nozzle and a bathroom faucet for cold and hot water. Supply and | 16.788,69 | 138,13 |

25.650-Hospital Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | installation of Ablution Desk: with four wheels, two of which have brakes, in the workplace. | | |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# UNIT PRICES AND DEFINITIONS FOR FIRE PROTECTION EQUIPMENT AND INSTALLATIONS

2022/3

25.700-Fire Safety Equipment and Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.700.1000** | **FIRE CABINET ACCORDING TO THE TS EN 671-1 STANDARD: (Unit: Qty.)**<br>Reel: Manufactured in compliance with the Directive 2014/68/EU on Pressure Equipment, in compliance with the standard TS EN 671-1, TS EN 671-2, the Directive (305/2011/CE) Construction Products, released with CE compliance marking, consisting of two steel discs with a maximum diameter of 800 mm and a circular inner piece with a diameter not less than 200 mm and a drum for hoses with a diameter of 25 mm. Hose: Round, semi-rigid, conforming to the standard TS EN 694 + A1, hose diameter 25 mm and length not exceeding 30 m. Nozzle: Can be shut-off, with water jet or spray options, conforming to the standard TS EN 671-1, 671-2. Fire water valve: Hand operated, DN50 diameter, with coupling, valve and coupling in conformance with TS 12258, 12259. The appropriate board among the ones stipulated in the Directive (92/58/EEC) on Minimum Requirements For Safety and/or Health Signs In Work Sites with a cabinet sized to cover the entire fire extinguishing system shall be used.<br>Note: For the portable extinguishers, the supply and on-site installation of the cylinder with 6 kg ABC type dry powder inside in compliance with TS 862 EN 3. | | |
| **25.700.1100** | **Fire Cabinets With No Cylinders:**<br>Hose Diameter Hose Length | | |
| 25.700.1101 | DN25 20m | 3.565,00 | 471,25 |
| 25.700.1102 | DN25 25m | 3.716,88 | 520,00 |
| 25.700.1103 | DN25 30m | 3.889,38 | 568,75 |
| **25.700.1200** | **Fire Cabinets With Cylinders:**<br>Hose Diameter Hose Length | | |
| 25.700.1201 | DN25 20m | 3.853,75 | 471,25 |
| 25.700.1202 | DN25 25m | 4.005,63 | 520,00 |
| 25.700.1203 | DN25 30m | 4.198,75 | 568,75 |
| **25.700.2100** | **FIRE CABINET ACCORDING TO THE TS EN 671-2 STANDARD: (Unit: Qty.)**<br>Manufactured in compliance with the Directive (305/2011/EC) on Construction Products, released with CE compliance marking. Hose: Flat hose in compliance with the standard TS 9222, diameter 50DN and 20 m long. Reel: in compliance with TS EN 671-2 with the other specifications the same as the item 25.700.1000. | | |
| 25.700.2101 | Model With No Cylinder | 3.504,38 | 390,00 |
| 25.700.2102 | with Cylinder | 3.834,38 | 390,00 |
| 25.700.3100 | **FIELD TYPE FIRE CABINET WITH 2″ HOSE (Unit: Qty.)**<br>The supply and on-site installation of the fire cabinet manufactured in compliance with the Directive (305/2011/EC) Construction Products, released with CE compliance marking, made of 1.5 mm thick galvanized sheet, on pedestal, coated with RAL 3001-3002 electrostatic powder paint, double sided or double reel, 2 pcs. of 2″ / 20 m fabric coated hose in compliance with the standard TS 9222/T1, 2 pcs. of 2″ nozzle, hoses and nozzle with 2″ storz coupling in compliance with the standard DIN 14811. | 7.231,88 | 487,50 |
| 25.700.3200 | **FIELD TYPE FIRE CABINET WITH 2½″ HOSE: (Unit: Qty.)**<br>The supply and on-site installation of the fire cabinet manufactured in compliance with the Directive (305/2011/EC) Construction Products, released with CE compliance marking, made of 1.5 mm thick galvanized sheet, on pedestal, coated with RAL 3001-3002 electrostatic powder paint, double sided or double reel, 2 pcs. of 2½″ / 20 m fabric coated hose in compliance with the standard TS 9222, 2 pcs. of 2½″ nozzle, hoses and nozzle with 2½″ storz coupling in compliance with the standard DIN 14811. | 9.913,13 | 487,50 |
| **25.705.1000** | **AUTOMATIC FIRE SPRINKLER (Unit: Qty.)**<br>The supply and on-site installation of automatic fire sprinklers manufactured in compliance with the Directive (305/2011/EC) on Construction Products, with CE compliance marking, in accordance with the standard TS EN 12259-1 in conformance with the design and technical specification, ensuring the fire is sprinkled automatically with pressurized water behind it as a result of the breaking of the glass or the melting metal because of the fire, of standard reaction, made of brass, with threaded connection. | | |
| **25.705.1100** | **Automatic Fire Sprinkler for Standard Applications:**<br>Opening temperatures 57°C, 68°C, 79°C, 93°C, 100°C or 141°C. | | |
| 25.705.1101 | Upright DN 15 | 74,65 | 14,06 |
| 25.705.1102 | Upright DN 20 | 115,04 | 14,06 |
| 25.705.1103 | Downwards DN 15 | 78,69 | 14,06 |
| 25.705.1104 | Downwards DN 20 | 117,06 | 14,06 |
| 25.705.1105 | Horizontal Wall Edge DN 15 | 101,38 | 14,06 |

25.700-Fire Safety Equipment and Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.705.1106 | Horizontal Wall Edge DN 20 | 150,88 | 14,06 |
| **25.705.1200** | **Automatic Fire Sprinkler for Special Applications:**<br>Manufactured and approved for special applications such as warehouse, bedroom, big room, corridor, roof, etc. | | |
| 25.705.1201 | Extended Impact DN15 | 198,31 | 14,06 |
| 25.705.1202 | Big Drops DN20 | 210,69 | 14,06 |
| 25.705.1203 | ESFR (Early Suppression Fast Response) DN20 | 256,41 | 14,06 |
| **25.705.2000** | **Open Fire Water Spray Nozzle (Nozzle): (Unit: Qty.; Materials on construction site 60%)**<br>The supply and on-site installation of the approved open fire water spray nozzle in accordance with the design and the technical specification, when the water is opened, spraying the water at a certain angle and the droplet structure in order to extinguish or cool down the fire or to cool down the surfaces, made of brass material. | | |
| **25.705.2100** | **Water Spray Nozzle For Open Fire**<br>Opening temperatures 57°C, 68°C, 79°C, 93°C, 100°C or 141°C. | | |
| 25.705.2101 | Upright DN15 | 103,19 | 14,06 |
| 25.705.2102 | Upright DN20 | 156,51 | 14,06 |
| 25.705.2103 | Downwards DN15 | 116,09 | 14,06 |
| 25.705.2104 | Downwards DN20 | 166,14 | 14,06 |
| 25.705.3001 | White Painted | 13,00 | |
| 25.705.3002 | Chrome Plating | 11,55 | |
| 25.705.3100 | **Addition Of Fast Response**<br>Automatic fire sprinkler to accelerate the response to the heat, thus giving the ability to open more quickly. | 42,16 | |
| **25.705.3200** | **Addition Of Rosette**<br>The plate between the sprinkler head and the surface on the back of the sprinkler head used to conceal the connection of the sprinkler head and the pipe to which it is connected; addition of the coating to be paid separately from the “differences to be paid for fire sprinkler additions," | | |
| 25.705.3201 | Fixed One Piece Rosette | 15,99 | 5,63 |
| 25.705.3202 | Adjustable Two Piece Rosette | 16,29 | 5,63 |
| 25.705.3203 | Hidden Recessed Rosette | 56,75 | 5,63 |
| **25.705.5000** | **Sprinkler Hose Set**<br>Supply and installation, along with the flexible metal hose, hose fixing set, and set fixing apparatus, of the hose set that can stand PN 16 pressure and 149°C temperature; has an AISI 316L Stainless Steel hose, AISI 304 Stainless Steel or Carbon Steel Mesh Wire; can connect directly and has an internal thread part special for the 1” nipple and ½” Sprinkler head; has a hose diameter of DN 20 or DN 25 (1"); and complies with TSE EN 10380. | | |
| 25.705.5101 | 50-cm long sprinkler hose set | 185,00 | 33,75 |
| 25.705.5102 | 70-cm long sprinkler hose set | 215,25 | 33,75 |
| 25.705.5103 | 100-cm long sprinkler hose set | 260,63 | 33,75 |
| **25.710.1000** | **Aboveground Fire Hydrant (HYDRANT): (Unit: Qty.) (TS EN 14339, 14384, 1074-6)**<br>The supply and on-site installation of fire hydrants manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products, released with CE compliance marking, with cast iron body, gate, brass or aluminum stem and water intake covers, stainless steel valve stem, automatic water evacuation against freezing, with safety valve, resistant against pressure impacts, without turbulence, continuous smooth flow (seat with slats), with two water intake nozzles, painted in accordance with standard colors, tight seals, flanged connection, with non-rising spindle. | | |
| 25.710.1001 | DN80 | 8.908,25 | 471,25 |
| 25.710.1002 | DN100 | 9.171,50 | 520,00 |
| 25.710.1003 | DN150 | 14.457,63 | 568,75 |
| **25.710.1100** | **Inside Rubber Coated Fire Hose (as spare): (Unit: m)**<br>Inside rubber coated fire hose, resistant to 12 kgf / cm² pressure | | |
| 25.710.1101 | DN50 | 41,60 | 4,06 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.710.1102 | DN65 | 61,63 | 4,06 |
| **25.710.1200** | **Ball fire valve, brass body, double clutch:** | | |
| 25.710.1201 | DN25 | 386,94 | 56,25 |
| 25.710.1202 | DN50 | 649,23 | 84,38 |
| **25.710.1300** | **Fire nozzle (nozzle): (TS 3145)** | | |
| 25.710.1301 | Without controller | 342,99 | 33,75 |
| 25.710.1302 | With controller | 657,09 | 42,19 |
| 25.710.1303 | Aboveground Fire Hydrant Opening Key (TS 3145) | 259,19 | |
| 25.712.1000 | **Connection Port For Fire Brigade: (Unit: Qty.)**<br>The supply and installation in accordance with the design and technical specification of the connection port for fire brigade made of brass, fire brigade connection DN65 x DN65 Storz, system connection diameter DN100 with protective cover, wall with bronze rosette and DN15 drip valve. | 2.392,00 | 390,00 |
| **25.712.1100** | **Differences to be paid for Connection Port For Fire Brigade: (Unit: Qty.)** | | |
| 25.712.1101 | Addition Of Drip Valve: | 240,84 | 28,13 |
| 25.712.1102 | Addition Of Back Plate | 265,08 | 11,25 |
| 25.712.1103 | Addition of Fire Brigade Information: | 265,08 | 11,25 |
| 25.712.1104 | Addition Of PN 16 Pressure Class: | 772,20 | |
| 25.712.1105 | Addition of PN 25 Pressure Class | 1.160,09 | |
| **25.712.2000** | **Floor Connection Valve For Fire Brigade: (Unit: Qty.)**<br>The supply and on-site installation of the floor connection valve conforming to the standard TSE 12259, with forged brass body, coupling aluminum chain and cover suitable for fire brigade connection. | | |
| 25.712.2001 | DN50 | 1.098,88 | 73,13 |
| 25.712.2002 | DN65 | 1.419,53 | 73,13 |
| **25.715.1000** | **Test And Drain Valve (Unit: Qty.; Materials on construction site 60%)**<br>The supply, on-site installation in accordance with the design and technical specification and delivery in working of the valve with bronze or brass body, stainless steel ball, K factor between 80 and 360, with 21 bar (300 psi) operating pressure, in three positions. | | |
| **25.715.1100** | **Test and drain valve, threaded, brass;** | | |
| 25.715.1101 | DN25 | 1.179,64 | 195,00 |
| 25.715.1102 | DN32 | 1.288,54 | 195,00 |
| 25.715.1103 | DN40 | 2.236,88 | 195,00 |
| 25.715.1104 | DN50 | 2.463,75 | 195,00 |
| **25.715.1200** | **Wet Alarm Valve Station: (Unit: Qty.; Materials on construction site 60%)**<br>The supply, on-site installation and delivery in working order of wet alarm valve station, manufactured in compliance with the Directive (305/2011/EC) on Construction Products, conforming to the standard TS EN 12259-2, released with CE compliance marking, input / output threaded or flanged connection, with all kinds of peripheral equipment, manometers, including clamps, in conformity with the design and technical specification. | | |
| 25.715.1201 | DN 80 | 13.138,75 | 942,50 |
| 25.715.1202 | DN100 | 16.660,00 | 1.040,00 |
| 25.715.1203 | DN150 | 18.558,13 | 1.178,13 |
| 25.715.1204 | DN200 | 27.102,50 | 1.885,00 |
| **25.715.1300** | **Dry Alarm Valve Station: (Unit: Qty.)**<br>The supply, on-site installation and delivery in working order of wet alarm valve station, manufactured in compliance with the Directive (305/2011/EC) on Construction Products, conforming to the standard TS EN 12259-3, released with CE compliance marking, input / output threaded or flanged connection, with all kinds of peripheral equipment, manometers, including clamps, in conformity with the design and technical specification. | | |
| 25.715.1301 | DN80 | 32.190,00 | 3.315,00 |
| 25.715.1302 | DN100 | 34.117,50 | 3.867,50 |
| 25.715.1303 | DN150 | 37.420,00 | 4.420,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.715.1400** | **Deluge Valve Station: (Unit: Qty.; Materials on construction site 60%)**<br>The supply, on-site installation and delivery in working order of deluge valve station, input / output threaded or flanged connection, with all kinds of peripheral equipment, manometers, including clamps, in conformity with the design and technical specification. | | |
| 25.715.1401 | DN 80 | 67.024,50 | 2.762,50 |
| 25.715.1402 | DN100 | 76.663,00 | 3.315,00 |
| 25.715.1403 | DN150 | 86.631,50 | 3.867,50 |
| 25.715.1404 | DN200 | 128.786,00 | 4.420,00 |
| **25.715.2000** | **Differences to be paid for additions on valve stations: (Unit: Qty.; Materials on construction site 60%)** | | |
| 25.715.2001 | The Addition Of Water Motor Gong: | 4.028,25 | 390,00 |
| 25.715.2002 | Addition Of Delay Cell | 2.977,25 | 243,75 |
| 25.715.2003 | Addition Of Alarm Pressure Switch: | 1.848,58 | 195,00 |
| 25.715.2004 | Addition of Compressed Air Feed and Adjustment Device to Dry Alarm Valve: | 6.802,75 | 585,00 |
| 25.715.2005 | Deluge Valve Electric Drive Extension: | 6.302,25 | 585,00 |
| **25.715.3100** | **Traceable Inter-Flange Compression Butterfly Valve: (Unit: Qty.; Materials on construction site 60%)**<br>The supply and on-site installation of the butterfly valve in accordance with the design and the technical specification, suitable for inlet / outlet connection, 175 PSI pressure class, opened with geared handwheel, cast iron body, bronze disc, position indicator, TKÇY monitoring key. | | |
| 25.715.3101 | DN 40 | 3.237,50 | 487,50 |
| 25.715.3102 | DN 50 | 3.588,00 | 585,00 |
| 25.715.3103 | DN 65 | 3.704,75 | 682,50 |
| 25.715.3104 | DN 80 | 3.965,25 | 731,25 |
| 25.715.3105 | DN 100 | 4.069,00 | 780,00 |
| 25.715.3106 | DN 150 | 5.435,63 | 1.056,25 |
| 25.715.3107 | DN 200 | 7.839,00 | 1.332,50 |
| **25.715.3200** | **Traceable Butterfly Valve With Threaded Connection: (Unit: Qty.; Materials on construction site 60%)**<br>The supply and on-site installation of the butterfly valve in accordance with the design and the technical specification, inlet / outlet with threaded connection, 175 PSI pressure class, opened with geared handwheel, cast iron body, bronze disc, position indicator, TKÇY monitoring key. | | |
| 25.715.3201 | DN40 | 3.204,50 | 487,50 |
| 25.715.3202 | DN50 | 3.588,00 | 585,00 |
| 25.715.3203 | DN65 | 3.774,88 | 682,50 |
| 25.715.3204 | DN80 | 4.002,38 | 731,25 |
| 25.715.3205 | DN100 | 4.408,63 | 780,00 |
| 25.715.3206 | DN150 | 5.739,50 | 1.056,25 |
| 25.715.3207 | DN200 | 8.661,25 | 1.332,50 |
| **25.715.3500** | **Differences To Be Paid For Traceable Butterfly Valves: (Unit: Qty.; Materials on construction site 60%)** | | |
| 25.715.3501 | Addition Of PN 16 Pressure Class: | 403,98 | |
| 25.715.3502 | Addition Of PN 25 Pressure Class: | 802,59 | |
| **25.715.4100** | **Traceable Butterfly Valve With Rising Spindle: (Unit: Qty.; Materials on construction site 60%)**<br>The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the check valve, inlet / outlet flanged, 175 PSI pressure class, size DN 100, TKÇY monitoring key and compression screw nuts, with rising spindle. | | |
| 25.715.4101 | DN40 | 3.888,63 | 438,75 |
| 25.715.4102 | DN50 | 4.589,00 | 585,00 |
| 25.715.4103 | DN65 | 5.191,88 | 633,75 |
| 25.715.4104 | DN80 | 5.437,25 | 682,50 |
| 25.715.4105 | DN100 | 6.647,88 | 731,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.715.4106 | DN150 | 9.940,13 | 1.056,25 |
| 25.715.4107 | DN200 | 15.738,13 | 1.527,50 |
| **25.715.4200** | **Fire Check Valve: (Unit: Qty.; Materials on construction side 60%)**<br>The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the check valve with flap, inlet / outlet with threaded connection, 175 PSI pressure class, cast iron body, bronze disc, size DN 100. | | |
| 25.715.4201 | DN 25 | 886,00 | 39,00 |
| 25.715.4202 | DN 32 | 1.114,50 | 58,50 |
| 25.715.4203 | DN 40 | 1.248,75 | 73,13 |
| 25.715.4204 | DN 50 | 1.733,75 | 97,50 |
| 25.715.4205 | DN 65 | 2.016,25 | 146,25 |
| 25.715.4206 | DN 80 | 2.291,25 | 146,25 |
| 25.715.4207 | DN100 | 2.807,50 | 195,00 |
| 25.715.4208 | DN150 | 6.425,75 | 243,75 |
| 25.715.4209 | DN200 | 9.273,25 | 341,25 |
| 25.715.4300 | **Water Flow Switch: (Unit: Qty.)**<br>The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the flow switch, which in case of any water usage from the watered fire fighting system, provides the electrical contact output at the preset flow rate by way of a flexible flap entering into the pipe through a hole opened on the pipe, pressed into the pipe with U clamp. | 1.734,38 | 84,38 |
| 25.715.4400 | **Drain Valve: (Unit: Qty.; Materials on construction site 60%)**<br>Supply and on-site installation of ball valve, DN 25 size, threaded inlet/outlet connections, full bore ball valve, 175 psi pressure class, cast iron body, stainless steel ball, locking latch for padlock. | 405,80 | 14,06 |
| **25.720.0000** | **FIRE PUMPS:** | | |
| **25.720.1000** | **Fire Pump With Electric Motor: (Unit: Qty.; Materials on construction site 60%)**<br>The installation of the fire pump manufactured in compliance with the Directive (2006/42/EC) on Machinery, released with CE compliance marking, with bronze impeller, stainless steel spindle, the differential head at closed outlet (zero flow) becoming 140 percent of the nominal differential head, the head at 150 percent nominal flow becoming not less than 65 percent of the nominal differential head, chosen to meet the system requirements at the required pressure value and with a capacity at maximum 130 percent of the nominal flow rate, together with the electric motor, pump body, base, automatic electrical pressurestat mounted inside the control panel enabling the automatic and manual operation depending on the pump system pressure and with the control panel, in conformance with the design and technical specifications.<br>1- The values specified in the approved design shall be taken into consideration in the selection and procurement of the pumps. | | |
| **25.720.1100** | **Horizontal Line (in-line) Type Fire Pump:**<br>Nominal Flow Nominal Differential Head | | |
| 25.720.1101 | 12 m³/h 60 mWC | 29.963,50 | 2.194,00 |
| 25.720.1102 | 12 m³/h 80 mWC | 34.853,63 | 2.332,13 |
| 25.720.1103 | 12 m³/h 100 mWC | 35.618,75 | 2.470,25 |
| 25.720.1104 | 60-66 m³/h 60 mWC | 56.677,00 | 3.283,00 |
| 25.720.1105 | 60-66 m³/h 80 mWC | 63.384,00 | 3.835,50 |
| 25.720.1106 | 60-66 m³/h 100 mWC | 73.110,50 | 4.388,00 |
| 25.720.1107 | 120-126 m³/h 60 mWC | 76.798,00 | 4.940,50 |
| 25.720.1108 | 120-126 m³/h 80 mWC | 91.153,00 | 5.485,00 |
| 25.720.1109 | 120-126 m³/h 100 mWC | 110.585,75 | 6.305,75 |
| **25.720.1200** | **Horizontal Rear Suction Fire Pump:**<br>Nominal Flow Nominal Differential Head | | |
| 25.720.1201 | 12 m³/h 60 mWC | 34.670,25 | 1.917,75 |
| 25.720.1202 | 12 m³/h 80 mWC | 40.177,00 | 2.194,00 |

25.700-Fire Safety Equipment and Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.720.1203 | 12 m³/h 100 mWC | 46.640,75 | 2.470,25 |
| 25.720.1204 | 50-59 m³/h 60 mWC | 51.326,75 | 3.014,75 |
| 25.720.1205 | 50-59 m³/h 80 mWC | 64.885,50 | 3.835,50 |
| 25.720.1206 | 50-59 m³/h 100 mWC | 73.663,50 | 4.380,00 |
| 25.720.1207 | 60-66 m³/h 60 mWC | 58.143,13 | 4.518,13 |
| 25.720.1208 | 60-66 m³/h 80 mWC | 72.174,25 | 4.656,25 |
| 25.720.1209 | 60-66 m³/h 100 mWC | 78.301,88 | 4.794,38 |
| 25.720.1210 | 70-79 m³/h 60 mWC | 63.231,25 | 4.656,25 |
| 25.720.1211 | 70-79 m³/h 80 mWC | 78.516,38 | 4.794,38 |
| 25.720.1212 | 70-79 m³/h 100 mWC | 92.052,50 | 4.932,50 |
| 25.720.1213 | 80-89 m³/h 60 mWC | 76.920,13 | 5.062,63 |
| 25.720.1214 | 80-89 m³/h 80 mWC | 85.770,25 | 5.200,75 |
| 25.720.1215 | 80-89 m³/h 100 mWC | 105.493,88 | 5.338,88 |
| 25.720.1216 | 90-99 m³/h 60 mWC | 88.707,25 | 5.200,75 |
| 25.720.1217 | 90-99 m³/h 80 mWC | 91.699,88 | 5.338,88 |
| 25.720.1218 | 110-119 m³/h 60 mWC | 94.723,63 | 5.607,13 |
| 25.720.1219 | 110-119 m³/h 80 mWC | 95.290,75 | 5.745,25 |
| 25.720.1220 | 120-126 m³/h 60 mWC | 98.881,63 | 6.151,63 |
| 25.720.1221 | 120-126 m³/h 80 mWC | 112.335,25 | 6.289,75 |
| 25.720.1222 | 120-126 m³/h 100 mWC | 127.636,88 | 6.427,88 |
| 25.720.1223 | 120-126 m³/h 120 mWC | 140.595,50 | 6.566,00 |
| **25.720.1300** | **Horizontal Split Body Fire Pump:** Nominal Flow Nominal Differential Head | | |
| 25.720.1301 | 110-119 m³/h 100 mWC | 110.967,88 | 6.151,63 |
| 25.720.1302 | 110-119 m³/h 120 mWC | 138.376,38 | 6.289,75 |
| 25.720.1303 | 120-126 m³/h 60 mWC | 113.569,38 | 6.151,63 |
| 25.720.1304 | 120-126 m³/h 80 mWC | 138.210,00 | 6.289,75 |
| 25.720.1305 | 120-126 m³/h 100 mWC | 152.505,13 | 6.427,88 |
| 25.720.1306 | 120-126 m³/h 120 mWC | 175.209,75 | 6.566,00 |
| **25.720.1400** | **Vertical Multi-Stage Fire Pump:** Nominal Flow Nominal Differential Head | | |
| 25.720.1401 | 12 m³/h 60 mWC | 33.444,00 | 2.194,00 |
| 25.720.1402 | 12 m³/h 80 mWC | 37.957,13 | 2.332,13 |
| 25.720.1403 | 12 m³/h 100 mWC | 39.345,25 | 2.470,25 |
| 25.720.1404 | 60-66 m³/h 60 mWC | 55.783,00 | 3.283,00 |
| 25.720.1405 | 60-66 m³/h 80 mWC | 61.335,50 | 3.835,50 |
| 25.720.1406 | 60-66 m³/h 100 mWC | 70.638,00 | 4.388,00 |
| **25.720.2000** | **Fire Pump With Diesel Engine: (Unit: Qty.; Materials on construction site 60%)**<br>The installation of the fire pump manufactured in compliance with the Directive (2006/42/EC) on Machinery, released with CE compliance marking, with bronze impeller, stainless steel spindle, the differential head at closed outlet (zero flow) becoming 140 percent of the nominal differential head, the head at 150 percent nominal flow becoming not less than 65 percent of the nominal differential head, chosen to meet the system requirements at the required pressure value and with a capacity at maximum 130 percent of the nominal flow rate, together with the diesel engine, two sets of batteries and battery charging groups with stand-by, diesel oil tank, diesel engine speed limiter, double starter system with stand-by, pump body, base, diesel control panel enabling the automatic and manual operation depending on the pump system pressure and with the control panel, in conformance with the design and technical specifications.<br>NOTE: 1- The values specified in the approved design shall be taken into consideration in the selection and procurement of the pumps. | | |

25.700-Fire Safety Equipment and Installation

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.720.2100** | **Horizontal Rear Suction Fire Pump:** | | |
| | Nominal Flow Nominal Differential Head | | |
| 25.720.2101 | 60-66 m³/h 60 mWC | 93.178,13 | 4.518,13 |
| 25.720.2102 | 60-66 m³/h 80 mWC | 102.473,75 | 4.656,25 |
| 25.720.2103 | 60-66 m³/h 100 mWC | 119.428,13 | 4.794,38 |
| 25.720.2104 | 70-79 m³/h 60 mWC | 100.920,00 | 4.656,25 |
| 25.720.2105 | 70-79 m³/h 80 mWC | 108.153,13 | 4.794,38 |
| 25.720.2106 | 70-79 m³/h 100 mWC | 128.833,75 | 4.932,50 |
| 25.720.2107 | 80-89 m³/h 60 mWC | 112.642,63 | 5.062,63 |
| 25.720.2108 | 80-89 m³/h 80 mWC | 122.213,25 | 5.200,75 |
| 25.720.2109 | 80-89 m³/h 100 mWC | 137.407,63 | 5.338,88 |
| 25.720.2110 | 90-99 m³/h 60 mWC | 118.885,75 | 5.200,75 |
| 25.720.2111 | 90-99 m³/h 80 mWC | 129.212,63 | 5.338,88 |
| 25.720.2112 | 110-119 m³/h 60 mWC | 123.664,63 | 5.607,13 |
| 25.720.2113 | 110-119 m³/h 80 mWC | 137.126,50 | 5.745,25 |
| 25.720.2114 | 120-126 m³/h 60 mWC | 127.577,88 | 6.151,63 |
| 25.720.2115 | 120-126 m³/h 80 mWC | 145.712,69 | 6.289,75 |
| 25.720.2116 | 120-126 m³/h 100 mWC | 155.065,38 | 6.427,88 |
| 25.720.2117 | 120-126 m³/h 120 mWC | 163.453,50 | 6.566,00 |
| **25.720.2200** | **Horizontal Split Body Fire Pump:** | | |
| | Nominal Flow Nominal Differential Head | | |
| 25.720.2201 | 110-119 m³/h 100 mWC | 209.651,63 | 6.151,63 |
| 25.720.2202 | 110-119 m³/h 120 mWC | 214.739,75 | 6.289,75 |
| 25.720.2203 | 120-126 m³/h 60 mWC | 200.714,13 | 6.151,63 |
| 25.720.2204 | 120-126 m³/h 80 mWC | 223.814,75 | 6.289,75 |
| 25.720.2205 | 120-126 m³/h 100 mWC | 236.327,88 | 6.427,88 |
| 25.720.2206 | 120-126 m³/h 120 mWC | 259.841,00 | 6.566,00 |
| 25.720.2207 | 170-180 m³/h 60 mWC | 219.554,75 | 6.842,25 |
| 25.720.2208 | 170-180 m³/h 80 mWC | 245.817,88 | 6.980,38 |
| 25.720.2209 | 170-180 m³/h 100 mWC | 259.981,00 | 7.118,50 |
| 25.720.2210 | 170-180 m³/h 120 mWC | 344.819,75 | 7.394,75 |
| **25.720.4100** | **Leak Elimination Pump With Electric Motor: (Unit: Qty.; Materials on construction site 60%)**<br>The supply and installation of leak elimination pumps manufactured in compliance with the Fire Directive and the Directive (2006/42/EC) on Machinery, released with CE compliance marking, to be used to keep the pressure constant against small leaks and pressure fluctuations in the watered fire fighting systems, direct or star-delta start, hydrant fire extinguishing system, operating pressure selected 1 bar higher than the fire fighting system's pressure demand, with vertical spindle, multistage, stainless steel impellers together with the electric motor, pump body, base and the electric control panel in conformance with the design and technical specification.<br>Nominal Flow Nominal Differential Head | | |
| 25.720.4101 | 1.0 m³/h 60 mWC | 9.871,00 | 463,25 |
| 25.720.4102 | 2.0 m³/h 60 mWC | 10.497,88 | 560,75 |
| 25.720.4103 | 4.0 m³/h 60 mWC | 12.304,50 | 658,25 |
| 25.720.4104 | 6.0 m³/h 60 mWC | 12.417,13 | 755,75 |
| 25.720.4105 | 1.0 m³/h 80 mWC | 11.239,00 | 560,75 |
| 25.720.4106 | 2.0 m³/h 80 mWC | 11.381,88 | 658,25 |
| 25.720.4107 | 4.0 m³/h 80 mWC | 14.111,13 | 755,75 |
| 25.720.4108 | 6.0 m³/h 80 mWC | 15.252,25 | 853,25 |
| 25.720.4109 | 1.0 m³/h 100 mWC | 11.971,75 | 658,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.720.4110 | 2.0 m³/h 100 mWC | 13.506,13 | 755,75 |
| 25.720.4111 | 4.0 m³/h 100 mWC | 15.252,25 | 853,25 |
| 25.720.4112 | 6.0 m³/h 100 mWC | 16.121,13 | 950,75 |
| 25.720.4113 | 1.0 m³/h 120 mWC | 14.065,75 | 755,75 |
| 25.720.4114 | 2.0 m³/h 120 mWC | 15.282,50 | 853,25 |
| 25.720.4115 | 4.0 m³/h 120 mWC | 16.892,50 | 950,75 |
| 25.720.4116 | 6.0 m³/h 120 mWC | 19.531,00 | 1.048,25 |
| **25.720.7100** | **Differences to be paid for additions to Fire Pumps: (Unit: Qty., Materials on construction site: 60%)** | | |
| 25.720.7101 | Addition Of Pressure Record Device: | 2.850,00 | 250,00 |
| 25.720.7102 | For The Vertical Pumps, Addition Of 1m Shaft: | 3.313,38 | 292,50 |
| **25.720.7200** | **Pump flowmeter:**<br>The supply, on-site installation in conformance with the design and technical specification and deliver in working order of the pump test flowmeter with Annubar, Venturi or Orifice plate measuring principle, at least PN10 pressure class, measuring connection hose, wall fixing element, gauge with analogue display. | | |
| 25.720.7201 | DN 80 | 11.310,00 | 585,00 |
| 25.720.7202 | DN 100 | 12.766,00 | 682,50 |
| 25.720.7203 | DN 150 | 13.542,75 | 780,00 |
| 25.720.7204 | DN 200 | 15.964,00 | 877,50 |
| **25.725.1100** | **Threaded Rigid Pipe Fitting Clamp: (Unit: Qty., Materials on construction site: 60%)**<br>The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the clamp, rigid, made of cast iron, with clamp gasket suitable for fire fighting use, threaded flexible pipe connection clamp. | | |
| 25.725.1101 | DN 25 | 80,34 | 5,63 |
| 25.725.1102 | DN 32 | 100,94 | 14,06 |
| 25.725.1103 | DN 40 | 105,23 | 14,06 |
| 25.725.1104 | DN 50 | 127,58 | 14,06 |
| 25.725.1105 | DN 65 | 132,04 | 14,06 |
| 25.725.1106 | DN 80 | 151,70 | 14,06 |
| 25.725.1107 | DN100 | 220,91 | 22,50 |
| 25.725.1108 | DN150 | 332,26 | 33,75 |
| 25.725.1109 | DN200 | 680,09 | 56,25 |
| 25.725.1110 | DN250 | 1.171,18 | 84,38 |
| **25.725.1200** | **Threaded Flexible Pipe Fitting Clamp: (Unit: Qty., Materials on construction site: 60%)**<br>The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the clamp, flexible, made of cast iron, with clamp gasket suitable for fire fighting use, threaded flexible pipe connection clamp. | | |
| 25.725.1201 | DN25 | 80,34 | 5,63 |
| 25.725.1202 | DN32 | 100,94 | 14,06 |
| 25.725.1203 | DN40 | 105,23 | 14,06 |
| 25.725.1204 | DN50 | 127,58 | 14,06 |
| 25.725.1205 | DN65 | 132,04 | 14,06 |
| 25.725.1206 | DN80 | 151,70 | 14,06 |
| 25.725.1207 | DN100 | 220,91 | 22,50 |
| 25.725.1208 | DN150 | 337,63 | 33,75 |
| 25.725.1209 | DN200 | 680,09 | 56,25 |
| 25.725.1210 | DN250 | 1.171,18 | 84,38 |
| **25.725.2000** | **Pipe Hanger Protected Against Earthquake: (Unit: Qty.; Materials on construction site 60%)**<br>The supply and the on-site installation of the seismic hanger in accordance with the design and technical specification, allowing the water extinguishing system pipe at the time of vibration or | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | earthquake to move only in the desired direction or if it is connected to the fixed structure element does not allow it to move. | | |
| **25.725.2100** | **Double-acting** | | |
| 25.725.2101 | DN 32 | 196,39 | 14,06 |
| 25.725.2102 | DN 40 | 201,75 | 14,06 |
| 25.725.2103 | DN 50 | 205,33 | 14,06 |
| 25.725.2104 | DN 65 | 216,05 | 14,06 |
| 25.725.2105 | DN 80 | 294,70 | 14,06 |
| 25.725.2106 | DN100 | 329,95 | 22,50 |
| 25.725.2107 | DN150 | 582,25 | 28,13 |
| **25.725.2200** | **Four Way:** | | |
| 25.725.2201 | DN 32 | 495,63 | 48,75 |
| 25.725.2202 | DN 40 | 508,14 | 48,75 |
| 25.725.2203 | DN 50 | 517,08 | 48,75 |
| 25.725.2204 | DN 65 | 558,19 | 48,75 |
| 25.725.2205 | DN 80 | 675,19 | 58,50 |
| 25.725.2206 | DN100 | 746,53 | 78,00 |
| 25.725.2207 | DN150 | 1.211,60 | 146,25 |
| **25.725.2300** | **Limiting Tension Wire:** | | |
| 25.725.2301 | DN 32 | 290,55 | 97,50 |
| 25.725.2302 | DN 40 | 301,28 | 97,50 |
| 25.725.2303 | DN 50 | 308,43 | 97,50 |
| 25.725.2304 | DN 65 | 324,35 | 117,00 |
| 25.725.2305 | DN 80 | 387,56 | 146,25 |
| 25.725.2306 | DN100 | 417,95 | 146,25 |
| 25.725.2307 | DN150 | 866,29 | 292,50 |
| **25.727.1000** | **FIRE EXTINGUISHING SYSTEMS WITH HFC227EA GAS**<br>The design and physical specifications of the fire extinguishing system with HFC227EA gas shall be as specified in the TS EN 15004-1 and 5, and each area to be protected shall be designed to supply the HFC227EA gas into the suspended ceiling and beneath the elevated flooring, if any. The location of the system should be sealed and tested for tightness. The pipes to be used in the system shall be seamless drawn steel, and nitrogen shall be used for testing the pipes. The pipes shall be tested for 10 minutes under 3 bars of pressure, and their pressure drops shall be tested at the end of this time. The detection part of the HFC227EA extinguishing system shall be installed as prescribed in the EN 54 standard. Fire protection shall be made for every fire extinction zone in line with the volume of the zone as per the EN 54 standard. The electrical installation unit prices shall be referred to for calculation of the prices of fire detection systems, cables, detectors, panels, sirens, and similar other equipment. Measures shall be taken against accidental discharge and leaks of the HFC227EA gas that is in EN standards and (Kyoto) F class. The gas shall be discharged in max. 10 seconds, and mechanical and electronic equipment, cables, pipes and cylinders shall duly undergo all relevant tests under the supervision of the organization of the authority. | | |
| **25.727.1100** | **Cylinder and Its Set**<br>The HFC227EA cylinders to be used in the system shall be certified for compliance with the Transportable Pressure Equipment Directive (2010/35/EU), bear a Л logo, and be made of welded drawn steel manufactured in TS EN ISO 9809-1:2010 standard ornon-welded drawn steel manufactured in TS EN 13322-1 standards. The cylinders shall bear the serial number of their respective filling tanks. The cylinders shall be used at a pressure of 25 to 42 bars, and the HFC227EA system valve on the cylinder shall bear a CE compliance marking and have a forged brass body. The HFC227EA cylinder valves shall be equipped with safety mechanisms that open in case of overpressure, a pressure gauge to monitor the internal pressure of the cylinder. The cylinders shall be supplied to the work site with their installation kits and then installed.<br>Note: A drain hose and a check valve shall be included in the multiple connections of the cylinders. | | |
| 25.727.1101 | Up to 14 L | 12.885,00 | 276,25 |
| 25.727.1102 | 14 L (inclusive) to 25 L | 14.055,06 | 325,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.727.1103 | 25 L (inclusive) to 40 L | 16.456,81 | 394,06 |
| 25.727.1104 | 40 L (inclusive) to 60 L | 20.180,00 | 414,38 |
| 25.727.1105 | 60 L (inclusive) to 80 L | 23.781,44 | 483,44 |
| 25.727.1106 | 80 L (inclusive) to 120 L | 31.930,63 | 580,63 |
| 25.727.1107 | 120 L (inclusive) to 180 L | 39.009,75 | 650,00 |
| 25.727.1108 | 180 L (inclusive) to 240 L | 49.308,19 | 759,69 |
| 25.727.1200 | **HFC227ea gas (kg)**<br>Chemical name: Heptafluoropropane (CF3CHFCF3) gas shall comply with the TS EN 15004-1 standard. The sample to b taken from the gas shall be tested in a laboratory and submitted to the administration for approval. | 489,78 | |
| **25.727.1300** | **Collector (Unit: Qty.)**<br>The collector shall be made of seamless drawn steel pipes in compliance with the design pressure, and equipped with a sufficient number of fasteners for the pressure switch and cylinders. The collector shall be tested for pressure that is 1.5 times as much as the design pressure and the test shall be reported. | | |
| 25.727.1301 | With 2, 3 cylinder connections | 8.595,31 | 345,31 |
| 25.727.1302 | With 4, 5 cylinder connections | 10.693,88 | 414,38 |
| 25.727.1303 | With 6, 7 cylinder connections | 13.121,69 | 532,19 |
| 25.727.1304 | With 8, 9 or 10 cylinder connections | 20.853,63 | 690,63 |
| 25.727.1400 | **Cylinder Connection Kit (Set)**<br>Including a solenoid valve and a manual draining lever compatible with single-cylinder and multiple-cylinder systems. | 5.094,25 | 276,25 |
| 25.727.1500 | **Nitrogen cylinder supplement**<br>Procurement and installation with a min 3-L nitrogen cylinder, nitrogen cylinder valve, solenoid valve, and a wall installation kit. | 13.339,06 | 345,31 |
| **25.727.1600** | **Selector valve (Unit: Qty.)**<br>Chambers of the cylinder group shall be used to direct the gas for use in fire extinguishing systems for multiple locations. The valve shall be equipped with a limiting switch that will allow monitoring of whether the valve is open or closed on the control panel. It shall open by pneumatic or hydraulic triggering. The selector valve to be used in the system shall be the same in diameter as that of the pipe that is found by hydraulic calculation and that enters the chamber. | | |
| 25.727.1601 | 3/4″ | 20.279,81 | 897,81 |
| 25.727.1602 | 1″ | 22.093,00 | 1.105,00 |
| 25.727.1603 | 1¼″ | 25.122,63 | 1.340,63 |
| 25.727.1604 | 1½″ | 26.973,38 | 1.519,38 |
| 25.727.1605 | 2″ | 28.591,63 | 1.795,63 |
| 25.727.1606 | 2½″ | 37.001,75 | 1.933,75 |
| 25.727.1607 | 3″ | 42.954,00 | 2.210,00 |
| 25.727.1608 | 4″ | 52.021,25 | 2.624,38 |
| **25.727.1700** | **Nozzles (Unit: Qty.)**<br>Installation at the designated locations as 180 or 360 degrees with a nozzle membrane, bearing a CE marking. | | |
| 25.727.1701 | 1/2″ | 300,86 | 52,81 |
| 25.727.1702 | 3/4″ | 423,38 | 52,81 |
| 25.727.1703 | 1″ | 548,91 | 52,81 |
| 25.727.1704 | 1¼″ | 772,64 | 105,63 |
| 25.727.1705 | 1½″ | 905,74 | 105,63 |
| 25.727.1706 | 2″ | 1.229,43 | 176,73 |
| **25.727.5000** | **Fire Extinguishing Systems with Gas for Enclosures** | | |
| **25.727.5100** | **No-nozzle system:**<br>Extinguisher gas shall contain HFC227EA / FK-5-1-12 and shall be stored at 12/16 bar with dry nitrogen in CE-compliant cylinders to be used for fire protection for the electric/electrical equipment in the enclosure. In accordance with the approved project, the system shall contain a gas discharge valve, a fixing bracket, a manometer, and red plastic flexible sensor hoses with | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | heat-sensitive special orifices. When the temperature inside the protected enclosure rises around 110°C, the fire will be detected and gas will be discharged once the special orifices on the flexible hose get torn up. Supply on site and delivery in working order of the cylinders, equipment, and all installation and fittings as per the project. | | |
| 25.727.5101 | Max. 1 m3 - min. 1 kg | 4.697,55 | 393,25 |
| 25.727.5102 | Between 1-2 m3 - min 2 kg | 5.055,05 | 393,25 |
| 25.727.5103 | Between 2-3 m3 - min. 3 kg | 5.541,25 | 393,25 |
| 25.727.5104 | Between 3-4 m3 - min.4 kg | 6.728,15 | 393,25 |
| 25.727.5105 | Between 4-5 m3 - min. 5 kg | 7.085,65 | 393,25 |
| 25.727.5106 | Between 5-6 m3 - min. 6 kg | 7.729,15 | 393,25 |
| **25.727.5200** | **Nozzle system:**<br>Extinguisher gas shall contain HFC227EA / FK-5-1-12 and shall be stored at 12/16 bar with dry nitrogen in CE-compliant cylinders to be used for fire protection for the electric/electrical equipment in the enclosure. In accordance with the approved project, the system shall contain a gas discharge valve, a fixing bracket, a manometer, red plastic flexible sensor hoses with heat-sensitive special orifices, and drawn steel pipe line and nozzles. When the temperature inside the protected enclosure rises around 110°C, the fire will be detected and gas will be discharged once the special orifices on the flexible hose get torn up and the pressure inside the hose falls, triggering the valve on the cylinder to discharge the gas through the drawn steel pipes and nozzles. Supply on site and installation in working order of the cylinders, steel pipes, nozzles, other equipment, and all installation and fittings as per the project. | | |
| | Max. 1 m3 - min. 1 kg | 11.392,55 | 1.547,00 |
| 25.727.5202 | Between 1-2 m3 - min 2 kg | 12.506,30 | 1.547,00 |
| 25.727.5203 | Between 2-3 m3 - min. 3 kg | 13.189,40 | 1.547,00 |
| 25.727.5204 | Between 3-4 m3 - min.4 kg | 13.662,75 | 1.989,00 |
| 25.727.5205 | Between 4-5 m3 - min. 5 kg | 14.075,25 | 1.989,00 |
| 25.727.5206 | Between 5-6 m3 - min. 6 kg | 14.735,25 | 1.989,00 |
| **25.730.1000** | **KITCHEN EXTRACTION HOOD FIRE EXTINGUISHING SYSTEM: (Unit: Set.; Materials on construction site 60%)**<br>The supply and installation in conformance to the design and technical specification of the mechanical fire extinguishing system extinguishing the fires in the kitchen appliances (cooker, oven, oily fryer etc.), extraction hood or ventilation ducts by spraying onto the fire, through a fixed piping installation, an extinguishing chemical (potassium based) automatically with low PH value not causing corrosion on the metals, including the cylinder, cylinder control valve and head, cylinder fixing clamp, extinguisher, flexible connection hose, tension wire, extinguisher spray nozzles, mechanical drive unit, propellant driven gas cylinder, black steel extinguisher piping, chromium steel melting metal fuse wire protection piping, etc. | | |
| **25.730.1100** | **Detection and Triggering System:**<br>Molten Metal Fuse and Clamp, including tension wire, mechanical drive unit, chrome steel melting wire fuse protection pipe, fuse and drive mechanism tension wire corner turn roller, manual drive mechanism and connections, etc. | | |
| 25.730.1101 | With Melting Metal Fuse | 10.032,75 | 1.291,88 |
| **25.730.1200** | **Extinguishing Liquid, Cylinders and Installation:**<br>Including extinguisher liquid, cylinders, cylinder control valve and head, tube fixing clamps, extinguisher, flexible connecting hose, propellant driven gas cylinders, black steel extinguisher piping, etc. | | |
| 25.730.1201 | With extinguishers up to 5 L | 12.554,38 | 3.445,00 |
| 25.730.1202 | With 6-10 L extinguisher | 15.053,13 | 4.225,00 |
| 25.730.1203 | With 11-15 L extinguisher | 22.271,88 | 4.225,00 |
| 25.730.1204 | With 16-20 L extinguisher | 23.818,75 | 4.225,00 |
| 25.730.1205 | With 21-25 L extinguisher | 29.595,00 | 4.501,25 |
| 25.730.1206 | With 26-30 L extinguisher | 33.376,25 | 4.501,25 |
| 25.730.1207 | With 31-35 L extinguisher | 40.871,25 | 4.777,50 |
| 25.730.1300 | **Extinguisher Spray Nozzle:** | 488,35 | 22,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Made of stainless steel, cooker with threaded connection, for the protection of oil fryer, oven, chimney, oil filter in the hood. | | |
| **25.730.2000** | **Differences To Be Paid Kitchen For The Hood Fire Extinguishing System : (Unit: Qty.; Materials on construction site 60%)** | | |
| 25.730.2002 | Mechanical Remote Manual Drive Mechanism | 602,06 | 39,00 |
| 25.730.2003 | Contact Addition For The Detection System Connection | 361,60 | 11,25 |
| **25.730.3100** | **Mechanical LPG or Natural Gas Shut-Off Valve:**<br>The mechanical valve that automatically cuts off the heater gas inlet by getting the open position to the closed position together with the fire extinguishing, depending on the tension wire that is released when the fused metal fuse breaks, | | |
| 25.730.3101 | DN20 | 2.894,13 | 195,00 |
| 25.730.3102 | DN25 | 3.591,25 | 195,00 |
| 25.730.3103 | DN32 | 4.485,00 | 195,00 |
| 25.730.3104 | DN40 | 4.985,50 | 195,00 |
| 25.730.3105 | DN50 | 5.879,25 | 195,00 |
| **25.730.3200** | **Electrical LPG or Natural Gas Shut-Off Valve**<br>The electro-mechanical valve that cuts-off the gas inlet to the heater when, upon command coming to the cylinder for evacuation, the solenoid valve in the open position closes down with the de-energization and the fire is extinguished. | | |
| 25.730.3201 | DN20 | 2.465,13 | 195,00 |
| 25.730.3202 | DN25 | 2.912,00 | 195,00 |
| 25.730.3203 | DN32 | 3.716,38 | 195,00 |
| 25.730.3204 | DN40 | 4.288,38 | 195,00 |
| 25.730.3205 | DN50 | 5.217,88 | 195,00 |
| **25.732.1100** | **Portable Fire Extinguishers With ABC Dry Chemical Powder: (Unit: Qty.; Materials at construction site 60%)**<br>The supply, on-site installation, setting and the delivery in working order of portable extinguisher, being in compliance with the standard TS 862-7 EN 3-7+A1, released with CE compliance marking as per the Pressure Equipment Directive, suitable against ABC class fires, with dry chemical powder, under steady pressure or with internal cartridge, deep drawn body made of alloyed steel, outer surfaces phosphatized and painted with protective paint against corrosion, tag in accordance with EN standards, with safety valve, cylinder valve made of brass. | | |
| 25.732.1101 | 1 kg | 238,79 | 22,50 |
| 25.732.1102 | 2 kg | 285,26 | 22,50 |
| 25.732.1103 | 4 kg | 407,08 | 28,13 |
| 25.732.1104 | 6 kg | 448,19 | 28,13 |
| 25.732.1105 | 9 kg | 703,56 | 42,19 |
| 25.732.1106 | 12 kg | 811,84 | 45,00 |
| **25.732.1200** | **Portable Fire Extinguishers With Carbon Dioxide (CO2) Gas: (Unit: Qty.; Materials at construction site 60%)**<br>The supply, on-site installation in compliance with the design and technical specification and the delivery in working order of portable extinguisher with CO2 gas, being in compliance with the standard TS 862-7 EN 3-7+A1, released with Pressure Equipment Directive compliance marking, suitable against B and C class fires, deep drawn seamless body, tag in accordance with EN standards, with safety valve, cylinder valve made of brass. | | |
| 25.732.1201 | 2 kg | 969,88 | 22,50 |
| 25.732.1202 | 5 kg | 1.295,20 | 22,50 |
| **25.732.1300** | **Portable Fire Extinguishers With Foam: (Unit: Qty.; Materials at construction site 60%)**<br>The supply, on-site installation and the delivery in working order of portable extinguisher, in compliance with the standard TS 862-7 EN 3-7+A1, released with a CE compliance marking as per the 2014/68/EU Pressure Equipment Directive, under steady pressure or with internal cartridge, with AFFF type foam suitable for A and B class fire, deep drawn body made of alloyed steel, mixed with demineralized water, with internal and external coating resistant to corrosion, inside of the body is additionally coated with plastic, protective external paint tag in accordance with EN standards, with high pressure safety valve, cylinder valve made of brass, approved in accordance with TS EN 3-8. | | |
| 25.732.1301 | 6 kg | 446,14 | 22,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.732.1302 | 9 kg | 680,30 | 22,50 |
| **25.732.1400** | **Portable Fire Extinguishers with Water: (Unit: Qty., Materials at construction site: 60%)**<br>The supply, on-site installation, setting and the delivery in working order of portable extinguisher, being in compliance with the standard TS 862-7 EN 3-7+A1, released with CE compliance marking as per the 2014/68/EU Pressure Equipment Directive, containing demineralized water, under steady pressure or with internal cartridge, suitable for A class fire, deep drawn body made of alloyed steel, with internal coating resistant to corrosion, protective external paint, tag in accordance with EN standards, with safety valve, cylinder valve made of brass, approved in accordance with TS EN 3-8. | | |
| 25.732.1401 | 6 kg | 347,83 | 22,50 |
| 25.732.1402 | 9 kg | 467,59 | 22,50 |
| **25.735.1000** | **FIRE EXTINGUISHING WITH FOAM:(Unit: Qty.; Materials at construction site 60%)** | | |
| 25.735.1100 | **Foam Fire Cabinet With 1″ Hose:**<br>The supply and on-site installation of the equipment with the provision of min. 50 L AFFF foam, sheet metal parts with min. 70 micron powder coating (RAL 3001); the reel manufactured in compliance with the Directive 2014/68/EU on Pressure Equipment, released with CE compliance marking and consisting of two steel discs with a maximum diameter of 800 mm and a circular inner piece with a diameter not less than 200 mm and a drum for hoses with 25 mm internal diameter; the hose in compliance with the standard TS EN 694+A1, round, semi-rigid, hose diameter not exceeding 30 m; nozzle can be shut-off, with water jet or spray options, conforming to the standard TS EN 671-1, in compliance with the standard DIN 14384 for making foam+water mixture, mixing foam in 1 percent to 6 percent ratios with water by venturi principle , with a 1″ adjustable foam mixer, having a 50 L volume foam tank, with foam suction hose, full bore ball valve, a cabinet in appropriate sizes as to take all these equipment, use of warning signs in conformance with the Directive (92/58/EEC) on Minimum Requirements For Safety and/or Health Signs In Work Sites. | 13.757,25 | 333,13 |
| 25.735.1200 | **Foam Fire Cabinet With 2″Hose:**<br>The supply and on-site installation of the equipment with the provision of min. 50 L AFFF foam, sheet metal parts with min. 70 micron RAL 3001 powder coating; the reel manufactured in compliance with the Directive 2014/68/EU) on Pressure Equipment, and consisting of two steel discs with a maximum diameter of 800 mm and a circular inner piece with a diameter not less than 100 mm and a drum for textile coated rubber hoses with 50 mm internal diameter; the hose in compliance with the standard TS EN 9222, round, hose length of 20 m; nozzle can be shut-off, with water jet or spray options, conforming to the standard TS EN 671-2, in compliance with the standard DIN 14384 for making foam+water mixture, mixing foam in 1 percent to 6 percent ratios with water by venturi principle, with a 200 L/min capacity 1″ adjustable foam mixer, having a 50 L volume foam tank, with 2″ foam suction hose, full bore ball valve, a cabinet in appropriate sizes as to take all these equipment, use of warning signs in conformance with the Directive (92/58/EEC) on Minimum Requirements For Safety and/or Health Signs In Work Sites. | 17.117,75 | 333,13 |
| **25.735.2100** | **FOAM PROPORTIONER:**<br>The supply of the proportioner, that can be clenched between two flanges or be of threaded type, working with venturi principle, mixing the foam with water at 3 percent or 6 percent ratio, with brass body, up to 4 bar, up to 12 bar operating pressure, internal parts made of brass. | | |
| 25.735.2101 | Flow between 200-450 liters | 4.975,75 | 828,75 |
| 25.735.2102 | Flow between 450-1100 liters | 5.672,88 | 828,75 |
| 25.735.2103 | Flow between 1100-1600 liters | 9.100,00 | 966,88 |
| 25.735.2104 | Flow between 1700-2000 liters | 10.869,63 | 966,88 |
| 25.735.2105 | Flow between 2100-2400 liters | 13.944,13 | 966,88 |
| **25.735.2200** | **DIAPHRAM FOAM TANK:**<br>Body made of steel for 12 bar operating pressure, the inside coated with elastomeric material, manufactured in compliance with the Directive (2014/68/EU) Pressure Equipment, released with CE compliance marking, manufactured in compliance with the standard TS EN 13445 series or ASME SEC VIII DIV I, with lifting lugs on the body, having outlets for thermal relief valve, foam concentration valve, drain, filling and safety valves, with name plate. Supply and installation of equipment made of polyester designed in compliance with ASTM D-412, with foam level indicator and reinforced with neoprene polymers inside. | | |
| 25.735.2201 | 200 L | 34.557,25 | 666,25 |
| 25.735.2202 | 400 L | 47.123,38 | 666,25 |
| 25.735.2203 | 600 L | 53.898,00 | 666,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 25.735.2204 | 1,000 L | 63.121,50 | 666,25 |
| 25.735.2205 | 1,500 L | 70.637,13 | 942,50 |
| 25.735.2206 | 2,000 L | 81.505,13 | 942,50 |
| 25.735.2207 | 2,500 L | 90.442,63 | 942,50 |
| 25.735.2208 | 3,000 L | 116.093,25 | 942,50 |
| 25.735.2209 | 3,500 L | 125.263,13 | 942,50 |
| 25.735.2210 | 4,000 L | 141.243,38 | 942,50 |
| **25.737.1100** | **Smoke Vent Duct: (Unit: m²)**<br>Supply to the work site and installation of an air duct with the same specifications as the item 25.470.1100 except that it shall be made of minimum 1.2-mm galvanized steel sheet, smoke-tight, and with flange connection. (Air ducts shall be calculated by the item 25.470.1104.) | | |
| **25.737.1200** | **Smoke Evacuation Cover: (Unit: Set)**<br>The supply and on-site installation of the smoke evacuation cover in conformance to the design, with TS EN 12101-2 test certificate, heat insulated, made of profiles resistant to the outdoor environment, made of polycarbonate, glass, acrylic or aluminum surface material according to the place of use, working with electric motors or thermal pneumatic system, controlled by electrical battery or CO2 gas panels, manually opened by way of the emergency button upon the signal from the fire automation system. | | |
| 25.737.1201 | Up to 1 m² | 19.175,00 | 1.657,50 |
| 25.737.1202 | Up to 2 m² | 26.381,88 | 2.071,88 |
| **25.737.2100** | **Electro Mechanical Fire Curtain: (Unit: m²; Materials on construction site 60%)**<br>The supply, on-site installation and delivery in working order of the electromechanical fire curtain with the strength calculations according to the design and approved by the administration, made of 1000°C heat resistant fireproof fabric, wrapped on a drum mounted on a frame by way of roll bearings on both sides, intermediary transmission and installation adapters on both ends of the drum resistant to bending and buckling, with two U profiles anchored to the wall and to the floor on two sides for guiding the curtain up and down, a worm gearbox with TSEK quality certificate, with protective housing in front of the gearbox, limit switch, control panel, manual operation, if necessary. Note: In case of manual operation system, installed prices shall be increased by 20 percent with the installation fee remaining unchanged. | | |
| 25.737.2101 | Up to 15 m² (price for 1 m²) | 8.924,50 | 1.023,75 |
| 25.737.2102 | Up to 30 m² (price for 1 m²) | 8.201,38 | 926,25 |
| 25.737.2103 | Up to 45 m² (price for 1 m²) | 7.938,13 | 877,50 |
| 25.737.2104 | Up to 65 m² (price for 1 m²) | 7.674,88 | 828,75 |
| **25.740.1100** | **Fire Stop Clamp (Unit: Qty.)**<br>The supply and on-site installation of the fire stop clamp manufactured in compliance with the standard TS EN 1366-3 and the Directive (305/2011/EC) on Construction Products, released with CE compliance marking, produced specially for the purpose of preventing the flame and smoke of pipes made of combustible materials passing through walls and floors, to be used in the places shown in the approved design, filling the gap around the pipe during the fire with a intumescent (heat-expanding) graphite-based wrapper content, in ready-to-use condition.<br>Pipe Diameter Range (mm) | | |
| 25.740.1101 | Ø32 - Ø51 Fire Stop Clamp | 179,30 | 16,88 |
| 25.740.1102 | Ø52 - Ø64 Fire Stop Clamp | 209,93 | 16,88 |
| 25.740.1103 | Ø65 - Ø78 Fire Stop Clamp | 234,06 | 16,88 |
| 25.740.1104 | Ø79 - Ø91 Fire Stop Clamp | 250,76 | 16,88 |
| 25.740.1105 | Ø92 - Ø115 Fire Stop Clamp | 306,51 | 22,50 |
| 25.740.1106 | Ø116 - Ø125 Fire Stop Clamp | 401,18 | 22,50 |
| 25.740.1107 | Ø126 - Ø170 Fire Stop Clamp | 521,83 | 22,50 |
| 25.740.1108 | Ø171 - Ø199 Fire Stop Clamp | 965,48 | 22,50 |
| 25.740.1109 | Ø200 - Ø224 Fire Stop Clamp | 1.921,50 | 28,13 |
| 25.740.1110 | Ø225 - Ø249 Fire Stop Clamp | 2.441,25 | 28,13 |
| 25.740.1111 | Ø250 - Ø300 Fire Stop Clamp | 3.796,31 | 28,13 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **25.740.1200** | **Fire Stop Wrap (Unit: Qty.)**<br>The supply and on-site installation of the fire stop wrap manufactured in compliance with the standard TS EN 1366-3 and the Directive (305/2011/EC) on Construction Products, released with CE compliance marking, produced specially for the purpose of preventing the flame and smoke of pipes made of combustible materials passing through walls and floors, to be used in the places shown in the approved design, filling the gap around the pipe during the fire with a intumescent (heat-expanding) graphite-based.<br>Pipe Diameter Range (mm) | | |
| 25.740.1201 | Ø32 - Ø51 Fire Stop Wrap | 91,84 | 14,06 |
| 25.740.1202 | Ø52 - Ø64 Fire Stop Wrap | 122,74 | 22,50 |
| 25.740.1203 | Ø65 - Ø78 Fire Stop Wrap | 149,65 | 22,50 |
| 25.740.1204 | Ø79 - Ø91 Fire Stop Wrap | 193,28 | 22,50 |
| 25.740.1205 | Ø92 - Ø115 Fire Stop Wrap | 248,96 | 22,50 |
| 25.740.1206 | Ø116 - Ø125 Fire Stop Wrap | 334,41 | 28,13 |
| 25.740.1207 | Ø126 - Ø170 Fire Stop Wrap | 451,35 | 28,13 |
| 25.740.1208 | Ø171 - Ø199 Fire Stop Wrap | 659,30 | 33,75 |
| **25.740.2100** | **Cord-type Fire Retardant (Unit: Qty.)**<br>Supply and installation of an plate-type fire retardant in compliance with the approved project and TSEK 526, fixed on the top of the area to be protected, which contains a liquid fire retardant in polymer-wall capsules sized 20 to 100 microns with micro capsules secured in fire-proof composite material and cuts contact with oxygen at its output by automatically releasing the liquid fire-retardant material in gas form (FK-5-1-12) without any control requirement, for use in any panel, transformer, cabinet, power outlet housings, and similar other enclosed areas with electrical fire hazard.<br>Note: The released gas (FK-5-1-12) shall be certified for being harmless to human health and the environment, and the fire-retarding capability of the product shall be tested by independent laboratories. | | |
| 25.740.2101 | 30 mm x 30 mm plate-type fire retardant (max. 0.2 L) | 83,59 | 5,63 |
| 25.740.2102 | 45 mm x 85 mm plate-type fire retardant (max. 15 L) | 317,48 | 5,63 |
| 25.740.2103 | 65 mm x 110 mm plate-type fire retardant (max. 25 L) | 566,21 | 5,63 |
| 25.740.2104 | 90 mm x 130 mm plate-type fire retardant (max. 45 L) | 941,18 | 5,63 |
| 25.740.2105 | 90 mm x 190 mm plate-type fire retardant (max. 60 L) | 1.253,03 | 5,63 |
| **25.740.2200** | **Cord-type Fire Retardant (Unit: m)**<br>Supply and installation of an unpressurized cord-type fire retardant in compliance with the approved project and TSEK 527, fixed to the area to be protected, which contains a liquid fire retardant in polymer-wall capsules sized 20 to 100 microns with micro capsules secured in fire-proof composite material in dough and covered with protective mesh, and cuts contact with oxygen at its output by automatically releasing the liquid fire-retardant material in gas form (FK-5-1-12) without any control requirement, for use in any power distribution panel, fuse box, control panel, meter panels, cable ducts, electricity shafts, low-current panels, and similar other areas with electrical fire hazard.<br>Note: The released gas (FK-5-1-12) shall be certified for being harmless to human health and the environment, and the fire-retarding capability of the product shall be tested by independent laboratories. | | |
| 25.740.2201 | Cord-type fire retardant 3-5 mm in diameter, capable of protecting up to 50 L per meter | 1.721,89 | 11,25 |
| 25.740.2202 | Cord-type fire retardant 5-7 mm in diameter, capable of protecting up to 150 L per meter | 3.085,75 | 11,25 |
| 25.740.2203 | Cord-type fire retardant 7-9 mm in diameter, capable of protecting up to 300 L per meter | 3.854,38 | 11,25 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# ELECTRICAL WIRING WORKS

2022/3

# GENERAL PROVISIONS AND EXPLANATIONS FOR ELECTRICAL INSTALLATIONS

1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.

2- In case there are printer's and material errors in Unit Prices, the latest values as may be corrected by the Ministry of Environment, Urbanism and Climate Change shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on www.csb.gov.tr or directly on https://yfk.csb.gov.tr/.

3- In case of a later change in the unit price standards applied, the latest versions of the standards in effect shall apply. Furthermore, they have to be supplied to the market securely in compliance with the applicable legislation.

4- General Technical Specifications published by the Ministry of Environment, Urbanism and Climate Change shall be complementary to such unit prices and their definitions.

5- The unit prices including installation and installation fees given in the list include the Contractor's 25% profit and overheads.

6- The materials and devices in the Unit Price Lists, for which no payment shall be made for the materials on construction site shall be listed by the relevant administrations.

7- The rates of the materials on construction site as specified in the Unit Prices Lists are percentages of unit prices including installation. The price of the materials on construction site shall be subject to tax discount.

8- For the materials and products with the names, classes and types listed below, which will be used in the contracted tasks:

   8.1. It shall be compulsory to present a Certificate of Compliance with the Turkish Standards for any material, for which the Unit Price Definition does not include a TSE number but there is a Turkish Standard is published.

   8.2. Documents that certify quality and compliance with the principles provided herein as well as international or foreign standards, and technical or special specifications shall be required for the items for which a Turkish Standard is not available.

   8.3. Any document mentioned in the items (8.1), (8.2) should be issued by authorized bodies.

9- The "Directive on the Protection of Buildings from Fire" and the "Construction Materials Directive" in effect shall be followed in selection, application, and commissioning of any installation equipment.

10- The values listed herein are VAT exclusive.

(Effective 01.07.2022.)

## TURKISH STANDARDS TO BE FOLLOWED FOR LIFTS

| SERIAL NO | TS NO. | THE SUBJECT MATTER OF THE STANDARD |
|---|---|---|
| 1 | **TS EN 81-20** | Lifts - Safety rules for production and installation - Passenger and freight lifts - Chapter 20: Passenger and freight lifts |
| 2 | **TS EN 81-50** | Safety rules for production and installation of lifts - Examinations and tests - Chapter 50: Design rules, calculations, examinations and tests for lift components |
| 3 | **TS EN 81-21+A1** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 21: New passenger and freight lifts in existing buildings, Directive 95/16/EC |
| 4 | **TS EN 81-40** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 40: Escalators and inclined lifting platforms for handicapped passengers, Directive 2006/42/EC (98/37/EC) |
| 5 | **TS EN 81-43** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 43: Lifts for Cranes, Directive: 2006/42/EC (98/37/EC) |
| 6 | **TS EN 81-73** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 73: Behavior of lifts during a fire, Directive 95/16/EC |
| 7 | **TS CEN/TR 81-10** | Lifts - Safety rules for production and installation - Basics and interpretations - Chapter 10: The systematics of EN 81 series of standards |
| 8 | **TS EN 81-82** | Lifts - Safety rules for production and installation - Existing lifts - Chapter 82 - Improving accessibility to existing elevators including for the handicapped |
| 9 | **TS EN 81-28** | Lifts - Safety rules for production and installation - Passenger and freight lifts - Chapter 28: Remote alarm for passenger and freight lifts, Directive 95/16/EC |
| 10 | **TS EN 81-31** | Lifts - For passenger and freight - Safety rules for production and installation - Chapter 31: Only open freight lifts |
| 11 | **TS EN 81-3+A1/AC** | Lifts - Safety Rules for Production and Installation - Part 3: Electric and Hydraulic Service Lifts, Directive: 2006/42/EC (98/37/EC) |
| 12 | **TS EN 81-58** | Lifts - Safety rules for production and installation - Examinations and tests - Chapter 58: Fire resistance test for floor doors, Directive 95/16/EC |
| 13 | **TS EN 81-70** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 70: Accessibility for passenger lifts, including the handicapped, Directive 95/16/EC |

| | | |
|---|---|---|
| **14** | **TS EN 81-72** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 72: Firefighting lifts, Directive 95/16/EC |
| **15** | **TS EN 81-80** | Lifts - Safety rules for production and installation - Existing lifts - Chapter 80: Rules of improving the safety of the existing passenger and freight lifts |
| **16** | **TS EN 81-70/A1** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 70: Accessibility for passenger lifts, including the handicapped, Directive 95/16/EC |
| **17** | **TS EN 81-71+A1** | Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 71: Vandal-resistant lifts, Directive 95/16/EC |
| **18** | **TS IEC 245-5** | Cables - Rubber Insulation - Chapter 5: Lift Cables with Maximum 450/750 V Nominal Voltage |
| **19** | **TS EN 627** | Rules of Storing and Monitoring the Data of Lifts, Escalators and Passenger Conveyors |
| **20** | **TS EN 81-3+A1/AC** | Lifts - Safety Rules for Production and Installation - Part 3: Electric and Hydraulic Service Lifts, Directive: 2006/42/EC (98/37/EC) |
| **21** | **TS 1812** | Calculation, Design and Production Rules for Lifts (for Electric Passenger and Freight Lifts) |
| **22** | **TS ISO 4190-5** | Lifts and Service Lifts - Chapter 5: Control Mechanisms, Signals and Additional Connections |
| **23** | **TS ISO 4190-6** | Lifts and Service Lifts - Chapter 6: Passenger Lifts for Residential Use - Planning and Selection |
| **24** | **TS ISO 4190-6/T1** | Lifts and Service Lifts - Chapter 6: Passenger Lifts for Residential Use - Planning and Selection |
| **25** | **TS ISO 7465** | Passenger and Freight Lifts - Guide Rails, and Type T for Lift Cabins and Counterweights |
| **26** | **TS 8237 ISO 4190-1** | Lifts - Dimensions for Placement - Chapter 1: Class I, class II, class III, and class IV lifts |
| **27** | **TS 8238 ISO 4190-2** | Lifts - Dimensions for Placement - Chapter 2: Class IV lifts |
| **28** | **TS 8239** | Lifts - Automatic Door Lifts - Dimensions for Placement - Class 5 Service Lifts |
| **29** | **TS EN 12016** | Electromagnetic compatibility - Lifts, Product range standard for escalators and passenger conveyors - Emission Directive 2004/108/EC (89/336/EEC) |
| **30** | **TS EN 12016+A1** | Electromagnetic compatibility - Lifts, Product range standard for escalators and passenger conveyors - Immunity Directive: 95/16/EC, 2006/42/EC (98/37/EC) |
| **31** | **TS 12255** | Authorized services - For lifts, escalators and passenger conveyors - Rules |

| | | |
|---|---|---|
| **32** | **TS EN 12385-5** | Steel wire ropes - Safety - Chapter 5: Ropes for lifts, Directive: 95/16/EC |
| **33** | **TS EN 12385-5/AC** | Steel wire ropes - Safety - Chapter 5: Ropes for lifts, Directive: 95/16/EC |
| **34** | **TS EN 13015+A1** | Maintenance of lifts and escalators - Rules for maintenance instructions, Directive: 95/16/EC, 2006/42/EC (98/37/EC) |
| **35** | **TS EN 115-1+A1** | Safety for escalators and passenger conveyors - Chapter 1: Production and installation, Directive: 2006/42/EC (98/37/EC) |
| **36** | **TS 13299** | Lift and escalator maintenance and repair personnel |
| **37** | **TS IEC 60227-6** | Cables - Polyvinyl Chloride Insulation - Maximum Nominal Voltage: 450/750 V, Chapter 6: Lift Cables and Cables for Flexible Connections |
| **38** | **TS EN ISO 13849-1** | Safety with machines - Safety-related parts of control systems - Chapter 1: General principles of design |
| **39** | **TS EN 81-41** | Lifts - Safety rules for production and installation - Calculations, examinations and tests of passenger and freight lifts |

## TURKISH STANDARDS TO BE FOLLOWED FOR DIESEL GENERATOR SETS

| SERIAL NO | TS. NO. | NAME OF THE STANDARD |
|---|---|---|
| 1 | **TS ISO 8528-1** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 1: Implementation, nominal values and performance |
| 2 | **TS ISO 8528-2** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 2: Engines |
| 3 | **TS ISO 8528-3** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 3: Alternative current generators for generator sets |
| 4 | **TS ISO 8528-4** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 4: Control mechanism and connection equipment |
| 5 | **TS ISO 8528-5** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 5: Generator sets |
| 6 | **TS ISO 8528-6** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 6: Test methods |
| 7 | **TS ISO 8528-7** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 7: Technical notices for design and specifications |
| 8 | **TS ISO 8528-8** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 8: Low power generator groups - Specifications and tests |
| 9 | **TS ISO 8528-9** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 9: Measurement and assessment of mechanical vibrations |
| 10 | **TS ISO 8528-10** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 10: Measurement of airborne noise by enveloping surface method |
| 11 | **TS ISO 8528-12** | Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 12: Emergency power supply for security services |
| 12 | **TS EN 12601** | Generator Sets Driven by Reciprocating Internal Combustion Engines - Safety |
| 13 | **TS HD 60364-5-551** | Electrical wiring in buildings - Chapter 5: Selection and installation of electric equipment - Group 55: Other equipment - Part 551: Low-voltage generator sets |
| 14 | **TS 4218** | Internal combustion piston engines - performance - standard reference conditions, specification of power, fuel consumption and oil consumption |
| 15 | **TS EN 60204-1/A1** | Safety with machines - Electrical equipment of machines - Chapter 1: General rules |

**NOTES:**

**1-** Radioactive lightning rods shall not be used in tenders starting from 2002.

**2-**The standards TS EN 62305-1, TS EN 62305-2, TS EN 62305-3, TS EN 62305-4, TS EN 50164-1, TS EN 50164-1, and TS EN 50164-2, and the Regulation on Grounding in Electrical Installations as published in the Official Gazette no. 24500 dated 21 August 2001 shall be taken as basis.

**3-** Radio antennae and/or TV or GSM antennae on the roofs of the buildings to be applied external protection shall also be protected by overvoltage devices. Grounding of such devices shall be as described in the Regulation on Grounding in Electrical Installations as published in the Official Gazette no. 24500 dated 21 August 2001.

**4-** The Administration may request a document obtained from an accredited National or International laboratory for any type (protection diameter).

**5-** The item 35.115.2100 shall be taken as basis for the payments for enclosure-type overvoltage protectors.

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# HIGH CURRENT INTERIOR WIRING UNIT PRICES AND DEFINITIONS

2022/3

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.100.0000** | **ENCLOSURES:** | | |
| **35.100.1000** | **Floor-standing galvanized steel enclosures (1st enclosure): (Unit: Qty.)**<br>The enclosure frame, its covers, housing, and all internal installation structure components used within, and its base shall be made of minimum 2-mm-thick pre-galvanized steel sheet, and be minimum 2000-mm high. All connections shall be made by fittings such as bolts and nuts or rivets. Also the base of the panel shall be minimum 100-mm high, and fixed to the panel with anchors and galvanized bolts at its four corners. The interior, exterior and frame of enclosures shall be coated with electrostatic powder paint. Perforated frames, supports, etc. shall be available on the enclosure based on the devices to be installed on enclosures as per the project design, and phases shall be painted in gray, black, and brown, busbars and insulators in neutral light blue as well as green/yellow earthing shall be installed as per TS EN 60445. The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be minimum IK 10 in accordance with the TS EN 62262 standard. “Type tests” shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration. Production, transportation to the site and installation of paint, insulator connection conductors (excluding the cost of copper busbar and surge arrester) of first galvanized steel enclosures, and delivery of labels required for each device, any kind of material, and terminal blocks in working order including labor. | | |
| **35.100.1100** | **Minimum depth 400 mm:** | | |
| 35.100.1101 | Galvanized steel floor-standing enclosure, minimum width 400 mm | 6.540,00 | 515,00 |
| 35.100.1102 | Galvanized steel floor-standing enclosure, minimum width 500 mm | 7.150,00 | 523,00 |
| 35.100.1103 | Galvanized steel floor-standing enclosure, minimum width 600 mm | 7.760,00 | 533,00 |
| 35.100.1104 | Galvanized steel floor-standing enclosure, minimum width 700 mm | 8.380,00 | 549,00 |
| 35.100.1105 | Galvanized steel floor-standing enclosure, minimum width 800 mm | 8.990,00 | 558,00 |
| 35.100.1106 | Galvanized steel floor-standing enclosure, minimum width 900 mm | 10.200,00 | 566,00 |
| 35.100.1107 | Galvanized steel floor-standing enclosure, minimum width 1000 mm | 11.410,00 | 578,00 |
| 35.100.1108 | Galvanized steel floor-standing enclosure, minimum width 1200 mm | 12.640,00 | 589,00 |
| **35.100.1150** | **Minimum depth 500 mm:** | | |
| 35.100.1151 | Galvanized steel floor-standing enclosure, minimum width 400 mm | 7.150,00 | 523,00 |
| 35.100.1152 | Galvanized steel floor-standing enclosure, minimum width 500 mm | 7.760,00 | 533,00 |
| 35.100.1153 | Galvanized steel floor-standing enclosure, minimum width 600 mm | 8.380,00 | 549,00 |
| 35.100.1154 | Galvanized steel floor-standing enclosure, minimum width 700 mm | 8.990,00 | 558,00 |
| 35.100.1155 | Galvanized steel floor-standing enclosure, minimum width 800 mm | 10.200,00 | 569,00 |
| 35.100.1156 | Galvanized steel floor-standing enclosure, minimum width 900 mm | 11.410,00 | 580,00 |
| 35.100.1157 | Galvanized steel floor-standing enclosure, minimum width 1000 mm | 12.640,00 | 589,00 |
| 35.100.1158 | Galvanized steel floor-standing enclosure, minimum width 1200 mm | 15.050,00 | 601,00 |
| **35.100.1200** | **Minimum depth 600 mm:** | | |
| 35.100.1201 | Galvanized steel floor-standing enclosure, minimum width 400 mm | 7.760,00 | 533,00 |
| 35.100.1202 | Galvanized steel floor-standing enclosure, minimum width 500 mm | 8.370,00 | 546,00 |
| 35.100.1203 | Galvanized steel floor-standing enclosure, minimum width 600 mm | 8.990,00 | 558,00 |
| 35.100.1204 | Galvanized steel floor-standing enclosure, minimum width 700 mm | 9.610,00 | 569,00 |
| 35.100.1205 | Galvanized steel floor-standing enclosure, minimum width 800 mm | 10.210,00 | 580,00 |
| 35.100.1206 | Galvanized steel floor-standing enclosure, minimum width 900 mm | 12.640,00 | 589,00 |
| 35.100.1207 | Galvanized steel floor-standing enclosure, minimum width 1000 mm | 15.050,00 | 601,00 |
| 35.100.1208 | Galvanized steel floor-standing enclosure, minimum width 1200 mm | 17.470,00 | 614,00 |
| **35.100.1250** | **Minimum depth 800 mm:** | | |
| 35.100.1251 | Galvanized steel floor-standing enclosure, minimum width 400 mm | 8.980,00 | 546,00 |
| 35.100.1252 | Galvanized steel floor-standing enclosure, minimum width 500 mm | 9.590,00 | 557,00 |
| 35.100.1253 | Galvanized steel floor-standing enclosure, minimum width 600 mm | 10.200,00 | 569,00 |
| 35.100.1254 | Galvanized steel floor-standing enclosure, minimum width 700 mm | 10.820,00 | 580,00 |
| 35.100.1255 | Galvanized steel floor-standing enclosure, minimum width 800 mm | 11.430,00 | 593,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.100.1256 | Galvanized steel floor-standing enclosure, minimum width 900 mm | 15.050,00 | 601,00 |
| 35.100.1257 | Galvanized steel floor-standing enclosure, minimum width 1000 mm | 17.470,00 | 614,00 |
| 35.100.1258 | Galvanized steel floor-standing enclosure, minimum width 1200 mm | 19.890,00 | 627,00 |
| **35.100.1300** | **Additional galvanized steel enclosures: (Unit: Qty. Materials on construction site: 60%)**<br>Delivery of additional enclosures built by connection of the frames of adjacent enclosures by bolts in compliance with the specifications of the Price No. 35.100.1000 in working order including any kind of material and labor. | | |
| 35.100.1301 | Additional galvanized steel floor-standing enclosure, minimum width 400 mm | 6.500,00 | 474,00 |
| 35.100.1302 | Additional galvanized steel floor-standing enclosure, minimum width 500 mm | 7.110,00 | 487,00 |
| 35.100.1303 | Additional galvanized steel floor-standing enclosure, minimum width 600 mm | 7.730,00 | 494,00 |
| 35.100.1304 | Additional galvanized steel floor-standing enclosure, minimum width 700 mm | 8.330,00 | 505,00 |
| 35.100.1305 | Additional galvanized steel floor-standing enclosure, minimum width 800 mm | 8.950,00 | 515,00 |
| 35.100.1306 | Additional galvanized steel floor-standing enclosure, minimum width 900 mm | 10.160,00 | 526,00 |
| 35.100.1307 | Additional galvanized steel floor-standing enclosure, minimum width 1000 mm | 12.570,00 | 533,00 |
| 35.100.1308 | Additional galvanized steel floor-standing enclosure, minimum width 1200 mm | 14.990,00 | 546,00 |
| **35.100.2100** | **Surface-mounted galvanized steel electric panels (Unit: Qty.)**<br>The body and covers of the enclosures shall be made of pre-galvanized steel sheet that is minimum 1 mm thick for the enclosures sized up to 0.5 m², and minimum 1.5 mm thick for the enclosures larger than 0.5 m². It shall be minimum 200 mm deep and all connections shall be made by fittings such as bolts and nuts or rivets. The holes required for cable entry shall be drilled on the cover, and bakelite or plastic bushings shall be installed in the holes to keep the insulation of the conductors intact. Also, labels for each device shall be affixed on the internal cover. Gray, black and brown, fireproof terminal blocks or busbars, light blue neutral and green/yellow earthing busbars in compliance with TS EN 60445 shall be available in sufficient number for the phase lines inside the enclosure. Inside and outside of the enclosure shall be coated with electrostatic powder, and the enclosure door shall be attached to the main body by flexible conductors and earthed. Supply, transportation to the work site and installation of the enclosure in working order including any material, terminal blocks and labor. Unit: m² values specified in sub-items stand for the area of the internal cover. The fuse switches, etc. and earthing installation inside the enclosure shall be paid separately. Note: The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be minimum IK 08 in accordance with the TS EN 62262 standard. “Type tests” shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration. | | |
| 35.100.2101 | From 0.05 to 0.10 m² (including 0.10 m²) | 671,00 | 69,00 |
| 35.100.2102 | From 0.10 to 0.20 m² (including 0.20 m²) | 912,00 | 69,00 |
| 35.100.2103 | From 0.20 to 0.30 m² (including 0.30 m²) | 1.170,00 | 79,00 |
| 35.100.2104 | From 0.30 to 0.40 m² (including 0.40 m²) | 1.410,00 | 79,00 |
| 35.100.2105 | From 0.40 to 0.50 m² (including 0.50 m²) | 1.640,00 | 69,00 |
| 35.100.2106 | From 0.50 to 0.60 m² (including 0.60 m²) | 1.910,00 | 99,00 |
| 35.100.2107 | From 0.60 to 0.70 m² (including 0.70 m²) | 2.150,00 | 99,00 |
| 35.100.2108 | From 0.70 to 0.80 m² (including 0.80 m²) | 2.410,00 | 114,00 |
| 35.100.2109 | From 0.80 to 0.90 m² (including 0.90 m²) | 2.650,00 | 114,00 |
| 35.100.2110 | From 0.90 to 1.00 m² (including 1.00 m²) | 2.930,00 | 150,00 |
| **35.100.2200** | **Flush-mounted galvanized steel electric panels (Unit: Qty.)**<br>Supply, transportation to the work site and installation, and delivery in working order including any material, terminal blocks and labor of a flush-mounted galvanized steel enclosure that is minimum 150 mm deep and is equipped with a galvanized fixing frame for wall mounting and identical with Unit price no. 35.100.2100 in terms of other specifications. Unit: Identical with the item No. 35.100.2100. Note: The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be minimum IK 08 in accordance with the TS EN 62262 standard. “Type tests” shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration. | | |
| 35.100.2201 | From 0.05 to 0.10 m² (including 0.10 m²) | 671,00 | 69,00 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.100.2202 | From 0.10 to 0.20 m² (including 0.20 m²) | 912,00 | 69,00 |
| 35.100.2203 | From 0.20 to 0.30 m² (including 0.30 m²) | 1.170,00 | 79,00 |
| 35.100.2204 | From 0.30 to 0.40 m² (including 0.40 m²) | 1.410,00 | 79,00 |
| 35.100.2205 | From 0.40 to 0.50 m² (including 0.50 m²) | 1.640,00 | 69,00 |
| 35.100.2206 | From 0.50 to 0.60 m² (including 0.60 m²) | 1.910,00 | 99,00 |
| 35.100.2207 | From 0.60 to 0.70 m² (including 0.70 m²) | 2.150,00 | 99,00 |
| 35.100.2208 | From 0.70 to 0.80 m² (including 0.80 m²) | 2.410,00 | 114,00 |
| 35.100.2209 | From 0.80 to 0.90 m² (including 0.90 m²) | 2.650,00 | 114,00 |
| 35.100.2210 | From 0.90 to 1.00 m² (including 1.00 m²) | 2.930,00 | 150,00 |
| **35.100.6100** | **Steel enclosures (1st enclosure): (Unit: Qty.; Materials on construction site: 60%) (TS EN 61439-1/2).**<br>Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration. Enclosures that are 2,100 mm high, at least 500 mm deep, and 800 to 900 mm wide as may be needed, and made from 40 x 40 x 4 mm bracket or a similar profile iron in free-standing system with a frame that is made of minimum 2-mm-thick DKP steel sheet and covered with the same type of steel sheet shall be installed. A 10-cm-high concrete base shall be built on the floor for the enclosure which shall be installed by its four corners with anchors and galvanized bolts. A wire mesh housing shall be built with steel sheet up to 1 meter from the ground and the upper part made of Ø3 mm steel wire with 30-mm openings including doors on both sides of the 75-cm-wide tunnel at the back of the tray with one of such doors being foldable. The interior, exterior and the frame of the enclosure shall be coated with a layer of red lead, two layers of matte gun-sprayed paint and oven-dried, the service tunnel behind the tray shall be made of wood and coated with PVC or linoleum. Where additional steel enclosures are used, the fixed wire mesh housing and the steel sheet part at the joint surface of the additional enclosure and the enclosure shall be installed to the end of the steel enclosures, and service tunnel furnishings shall be extended along the additional enclosures. Where required by the inspection authority, wooden railings that are 80 to 100 cm high, painted in the same color as the enclosure, and with a section size of 5 x 10 cm shall be built, and the tunnel behind the panel shall be covered with a wire mesh housing that is made from Ø3 mm steel wires with 30 mm openings. Perforated frames, supports, etc. shall be available on the enclosure based on the devices to be installed on enclosures as per the project design, and phases shall be painted in gray, black, and brown, busbars and insulators in neutral light blue as per TS EN 60445, and where necessary, the panels shall be equipped with a L.V. surge arresters and green/yellow earthing lines. Neutral light blue busbars and insulators shall be installed, a L.V. surge arrestor and earthing lines in green/yellow shall be installed on enclosures where necessary. Production, transportation to the site and installation of paint, insulator connection conductors, any kind of small material including labor and installation (excluding the cost of copper busbar, lockable wire mesh door and wire mesh housing and surge arrester) of a 1st steel enclosure, and delivery of labels required for each device, any kind of material, and electric terminal blocks in working order including labor. | | |
| 35.100.6101 | 800 mm width | 9.570,00 | 569,00 |
| 35.100.6102 | **900 mm width**<br>Note: Where wooden railings are made, it shall be paid at construction unit prices. | 10.320,00 | 580,00 |
| **35.100.6200** | **Special steel enclosures: Unit: Qty. Materials on construction site: 60%) (TS EN 61439-1/2) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.**<br>A fully enclosed panel with 1800-mm height, 350-mm depth and 500-mm width, covered with 2-mm DKP steel sheet, and installed on a bracket or iron profile frame; drilling of the holes necessary per the relevant project design on the enclosure with locked doors in front, at the back or on both sides, coating the internal and external frames of the panel with oven-dried or cellulose paint, including the supply of any material and terminal blocks for connections, installation and labor. | | |
| 35.100.6201 | Enclosure with front cover | 8.770,00 | 515,00 |
| 35.100.6202 | Enclosure with front and rear cover | 9.250,00 | 515,00 |
| **35.100.6300** | **Additional steel enclosures: (Unit: Qty. Materials on construction site: 60%)**<br>An additional steel enclosure shall be built under the same conditions as the Item No. 35.100.6100 and with the modifications given below. These enclosures shall have a steel sheet on their front side only. They shall be installed with the 1st enclosure and only the last enclosure shall be equipped with an wire mesh housing adjacent to the panel. Adjacent enclosures shall be joined by attachment of the frame by bolts. | | |
| 35.100.6301 | 800 mm width | 6.570,00 | 515,00 |
| 35.100.6302 | 900 mm width | 7.470,00 | 515,00 |
| 35.100.6350 | **Steel sheet cover with wire mesh: (Unit: m², Materials on construction site: 60%)**<br>Installation of steel doors with wire mesh at the same height as the enclosure and that are made from 2-mm DKP steel shee up to 1 m from the ground and wire mesh housing made with 30-mm openings made from Ø3-mm steel wires for covering | 389,00 | 71,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | of the 75-cm-wide tunnel behind the enclosure and its placement behind the enclosure where necessary, including a lock that can be opened and a frame Production, transportation to the work site, and installation on the panel, of a single mesh sheet metal door, including DKP sheet metal, building a door with upper side designed as wire mesh that is made from Ø3 mm steel wires with 30-mm openings, a lock that can be unlocked with a Yale key, 40 x 40 x 4 mm bracket or a similar iro profile frame, any small material, which is coated with a single layer of red lead, two layers of gun-sprayed paint, and over dried including labor. Unit: The area of the wire mesh steel door shall be taken in m². | | |
| 35.100.6351 | **Housing with wire mesh: (Unit: m², Materials on construction site: 60%)**<br>Production, transportation to the work site, and installation, of a wire mesh housing with the same specifications as the Item No. 35.100.6350. | 347,00 | 71,50 |
| **35.100.6400** | **Surface-mounted steel electric panels: (Unit: Qty., Materials on construction site: 60%) (TS EN 61439-1/2) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.**<br>A surface-mounted platform made from minimum 1-mm-thick DKP steel sheet shall be installed. The panel shall consist of three parts. A lockable door, a steel box with bracket or profile frame and a key lock, an internal door with holes on the chassis supporting the devices for controlling the devices, and means of attachment welded on the steel box, which shall facilitate attachment and removal of the chassis. Depending on the project design, the box shall have an opening on the side through which various conductors are to enter the box, and the said opening shall be covered with a steel sheet cap mounted on the box with screws. The holes required for cable entry shall be drilled on the cover, and bakelite or plastic bushings shall be installed in the holes to keep the insulation of the conductors intact. The chassis shall be placed on brackets or a panel made of bent DKP. It shall be possible to mount all devices, terminal blocks and similar equipment on the chassis. The internal door with holes shall be easily mountable on the chassis for controlling the devices on the panel. Once the internal door is removed, all connections and devices in the panel shall be exposed, and this door shall be decorated with tags for each device. The aforementioned three parts shall be detachable without removing the panel. The projects concerning placement of devices in the panel shall be prepared in compliance with the type projects, submitted to the administration for approval, and manufactured only thereafter. A sufficient number of gray, black and brown, fireproof terminal blocks or busbars, and light blue neutral and green/yellow earthing busbars shall be available for the phase lines on the panel in compliance with TS EN 60445, and all iron parts shall be coated in a layer of red lead and two layers of gun-sprayed paint, and the panel's door shall be attached to the main body with a flexible conductor and earthed. Supply, transportation to the work site and installation of the panel. Delivery in working order, including any material and electric terminal blocks and labor. Unit: The internal door area shall be compared to the values given in the approved project, and the payment shall be made accordingly. This amount includes any small material, paint, connection and installation. The fuse switches, etc. and earthing installation on the panel shall be paid separately. | | |
| 35.100.6401 | From 0.05 to 0.10 m² (including 0.10 m²) | 551,00 | 69,00 |
| 35.100.6402 | From 0.10 to 0.20 m² (including 0.20 m²) | 744,00 | 69,00 |
| 35.100.6403 | From 0.20 to 0.30 m² (including 0.30 m²) | 945,00 | 79,00 |
| 35.100.6404 | From 0.30 to 0.40 m² (including 0.40 m²) | 1.330,00 | 79,00 |
| 35.100.6405 | From 0.40 to 0.50 m² (including 0.50 m²) | 1.650,00 | 99,00 |
| **35.100.6500** | **Flush-mounted steel electric panels (Unit: Qty. Materials on construction site: 60%) (TS EN 61439-1/2) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.**<br>The Item no. 35.100.6400 shall apply. In addition, an iron profile mounting frame shall be available for flush mounting the box in the wall. The steel box shall be easily mountable on this mounting frame. Unit: Identical with the item No. 35.100.6400. | | |
| 35.100.6501 | From 0.05 to 0.10 m² (including 0.10 m²) | 564,00 | 69,00 |
| 35.100.6502 | From 0.10 to 0.20 m² (including 0.20 m²) | 778,00 | 69,00 |
| 35.100.6503 | From 0.20 to 0.30 m² (including 0.30 m²) | 1.060,00 | 79,00 |
| 35.100.6504 | From 0.30 to 0.40 m² (including 0.40 m²) | 1.500,00 | 79,00 |
| 35.100.6505 | From 0.40 to 0.50 m² (including 0.50 m²) | 1.850,00 | 99,00 |
| **35.100.6550** | **Special power cables for air conditioning, ventilation and cooling systems:**<br>Drilling of installation holes for installation of air conditioning, ventilation and cooling systems shall be as specified for the items 35.100.2100-2200-6400-6500-6560-6580 for other specifications, and unit prices including installation and installation charges in this unit price shall be implemented with a 25 percent surcharge, depending on the relevant project. (The unit prices of automatic control and indicator instruments shall be paid separately based on the relevant unit prices without any extra charge) TS EN 61439-1/2 standards shall apply.<br>Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.100.6560 | **Government lodging-type steel electric panels up to 0.05 m²: (Unit: Qty., Materials on construction site: 60%) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.**<br>Supply of surface-mounted 0.5-mm-thick DKP sheet metal panels coated with a layer of red lead and two layers of gun-sprayed paint for buildings such as government lodgings, apartments, etc. It shall be bent to form a u-profile with a wing firmly attached to the fuse slots so as to fix the fuse bodies and the other wing firmly attached to the base so that the caps of fuse buttons are left outside and easily removed. Installation in its designated location (except for the fuses), and delivery including any material and labor. | 300,00 | 24,40 |
| **35.100.6580** | **Government lodging-type electric panel with automatic breaker: (Unit: Qty., Materials on construction site: 60%)**<br>The same as 35.100.6560, and shall be manufactured exclusively for automatic breakers. (Except for switched fuses.) | | |
| 35.100.6581 | 4-fuse | 69,00 | 24,40 |
| 35.100.6582 | 8-fuse | 80,00 | 24,40 |
| 35.100.6583 | 12-fuse | 93,50 | 24,40 |
| 35.100.7000 | Supply and installation, and coloring in compliance with TS EN 60445 of TSE-compliant copper busbars to be placed in cast metal boxes and enclosures: (Unit: kg; Materials on construction site: 60%) | 199,00 | 12,30 |
| **35.100.7100** | **Halogen-free, flame-retardant, surface-mounted panels: (Unit: Qty.; Materials on construction site: 60%)**<br>TS EN 60670-24, TS IEC 60331, TS 61034, TS 50200, TS EN 50266, TS EN 60754-1 Note:<br>1- Type tests shall be conducted, and the tests results shall be submitted to the Administration.<br>2- Fuses shall be paid separately as specified in the relevant items. | | |
| 35.100.7101 | 4 Automatic breaker | 76,00 | 24,40 |
| 35.100.7102 | 6 Automatic breaker | 103,00 | 24,40 |
| 35.100.7103 | For 8 Automated fuse | 131,00 | 24,40 |
| 35.100.7104 | 12 Automatic breaker | 158,00 | 24,40 |
| 35.100.7105 | 16 Automatic breaker | 204,00 | 24,40 |
| 35.100.7106 | 18 Automatic breaker | 252,00 | 24,40 |
| 35.100.7107 | 24 Automatic breaker | 287,00 | 24,40 |
| 35.100.7108 | 36 Automatic breaker | 379,00 | 24,40 |
| **35.100.7200** | **Halogen-free, flame-retardant, flush-mounted panels: (Unit: Qty.; Materials on construction site: 60%)**<br>TS EN 60670-24, TS IEC 60331, TS 61034, TS 50200, TS EN 50266, TS EN 60754-1 Note:<br>1- Type tests shall be conducted, and the tests results shall be submitted to the Administration.<br>2- Fuses shall be paid separately as specified in the relevant items. | | |
| 35.100.7201 | 4 Automatic breaker | 76,00 | 24,40 |
| 35.100.7202 | 6 Automatic breaker | 103,00 | 24,40 |
| 35.100.7203 | For 8 Automated fuse | 131,00 | 24,40 |
| 35.100.7204 | 12 Automatic breaker | 158,00 | 24,40 |
| 35.100.7205 | 16 Automatic breaker | 204,00 | 24,40 |
| 35.100.7206 | 18 Automatic breaker | 252,00 | 24,40 |
| 35.100.7207 | 24 Automatic breaker | 287,00 | 24,40 |
| 35.100.7208 | 36 Automatic breaker | 379,00 | 24,40 |
| **35.105.0000** | **PROTECTION, CONTROL AND SWITCHING PRODUCTS** | | |
| **35.105.1000** | **CIRCUIT BREAKERS:** | | |
| **35.105.1100** | **Automatic Breakers (with 3-kA breaking capacity): (Unit: Qty.)**<br>Supply and installation, including any material and labor, of an automatic breaker with 3-kA short-circuit breaking capacity, 2 and 4 pole versions of which are capable of breaking neutral and phase lines, B or C curve, which was manufactured in compliance with the TS 5018-1 EN 60898-1 standards and released with CE marking, and which also functions as a switch. | | |
| 35.105.1110 | Up to 16 A (3 kA) | 45,10 | 12,70 |
| 35.105.1111 | Up to 25 A (3 kA) | 45,10 | 12,70 |
| 35.105.1112 | Up to 40 A (3 kA) | 49,80 | 12,70 |
| 35.105.1113 | Up to 63 A (3 kA) | 59,50 | 12,70 |
| 35.105.1120 | Single-phase, neutral-breaking, Up to 16 A (3 kA) | 93,50 | 13,20 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.105.1121 | Single-phase, neutral-breaking, Up to 25 A (3 kA) | 93,50 | 13,20 |
| 35.105.1122 | Single-phase, neutral-breaking, Up to 40 A (3 kA) | 115,00 | 13,20 |
| 35.105.1123 | Single-phase, neutral-breaking, Up to 63 A (3 kA) | 150,00 | 13,20 |
| 35.105.1130 | 3-phase, Up to 16 A (3 kA) | 130,00 | 13,20 |
| 35.105.1131 | 3-phase, Up to 25 A (3 kA) | 130,00 | 13,20 |
| 35.105.1132 | 3-phase, Up to 40 A (3 kA) | 155,00 | 13,20 |
| 35.105.1133 | 3-phase, Up to 63 A (3 kA) | 196,00 | 13,20 |
| 35.105.1140 | 3-phase, neutral-breaking, Up to 16 A (3 kA) | 164,00 | 13,20 |
| 35.105.1141 | 3-phase, neutral-breaking, Up to 25 A (3 kA) | 164,00 | 13,20 |
| 35.105.1142 | 3-phase, neutral-breaking, Up to 40 A (3 kA) | 205,00 | 13,20 |
| 35.105.1143 | 3-phase, neutral-breaking, Up to 63 A (3 kA) | 259,00 | 13,20 |
| **35.105.1200** | **Automatic Breakers (with 6-kA breaking capacity): (Unit: Qty.)**<br>Supply and installation, including any material and labor, of an automatic breaker with 6-kA short-circuit breaking capacity, which has the same specifications as the item 35.105.1100. | | |
| 35.105.1210 | Up to 16 A (6 kA) | 46,70 | 12,70 |
| 35.105.1211 | Up to 25 A (6 kA) | 46,70 | 12,70 |
| 35.105.1212 | Up to 40 A (6 kA) | 55,50 | 12,70 |
| 35.105.1213 | Up to 63 A (6 kA) | 73,00 | 12,70 |
| 35.105.1220 | Single-phase, neutral-breaking, Up to 16 A (6 kA) | 110,00 | 13,20 |
| 35.105.1221 | Single-phase, neutral-breaking, Up to 25 A (6 kA) | 110,00 | 13,20 |
| 35.105.1222 | Single-phase, neutral-breaking, Up to 40 A (6 kA) | 136,00 | 13,20 |
| 35.105.1223 | Single-phase, neutral-breaking, Up to 63 A (6 kA) | 179,00 | 13,20 |
| 35.105.1230 | 3-phase, Up to 16 A (6 kA) | 146,00 | 13,20 |
| 35.105.1231 | 3-phase, Up to 25 A (6 kA) | 146,00 | 13,20 |
| 35.105.1232 | 3-phase, Up to 40 A (6 kA) | 171,00 | 13,20 |
| 35.105.1233 | 3-phase, Up to 63 A (6 kA) | 218,00 | 13,20 |
| 35.105.1240 | 3-phase, neutral-breaking, Up to 16 A (6 kA) | 188,00 | 13,20 |
| 35.105.1241 | 3-phase, neutral-breaking, Up to 25 A (6 kA) | 188,00 | 13,20 |
| 35.105.1242 | 3-phase, neutral-breaking, Up to 40 A (6 kA) | 232,00 | 13,20 |
| 35.105.1243 | 3-phase, neutral-breaking, Up to 63 A (6 kA) | 297,00 | 13,20 |
| **35.105.1300** | **Automatic Breakers (with 10-kA breaking capacity): (Unit: Qty.)**<br>Supply and installation, including any material and labor, of an automatic breaker with 10-kA short-circuit breaking capacity, which has the same specifications as the item 35.105.1100. | | |
| 35.105.1310 | Up to 16 A (10 kA) | 60,50 | 12,70 |
| 35.105.1311 | Up to 25 A (10 kA) | 60,50 | 12,70 |
| 35.105.1312 | Up to 40 A (10 kA) | 76,50 | 12,70 |
| 35.105.1313 | Up to 63 A (10 kA) | 93,50 | 12,70 |
| 35.105.1320 | Single-phase, neutral-breaking, Up to 16 A (10 kA) | 127,00 | 13,20 |
| 35.105.1321 | Single-phase, neutral-breaking, Up to 25 A (10 kA) | 127,00 | 13,20 |
| 35.105.1322 | Single-phase, neutral-breaking, Up to 40 A (10 kA) | 154,00 | 13,20 |
| 35.105.1323 | Single-phase, neutral-breaking, Up to 63 A (10 kA) | 208,00 | 13,20 |
| 35.105.1330 | 3-phase, Up to 16 A (10 kA) | 171,00 | 13,20 |
| 35.105.1331 | 3-phase, Up to 25 A (10 kA) | 171,00 | 13,20 |
| 35.105.1332 | 3-phase, Up to 40 A (10 kA) | 210,00 | 13,20 |
| 35.105.1333 | 3-phase, Up to 63 A (10 kA) | 286,00 | 13,20 |
| 35.105.1340 | 3-phase, neutral-breaking, Up to 16 A (10 kA) | 220,00 | 13,20 |
| 35.105.1341 | 3-phase, neutral-breaking, Up to 25 A (10 kA) | 220,00 | 13,20 |
| 35.105.1342 | 3-phase, neutral-breaking, Up to 40 A (10 kA) | 274,00 | 13,20 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.105.1343 | 3-phase, neutral-breaking, Up to 63 A (10 kA) | 367,00 | 13,20 |
| **35.105.1500** | **Knife Fuses (Unit: Qty.) (TS EN 60269-1)**<br>Supply and installation, including any labor, material and gloves for removing the fuse cartridge for each type of fuse in similar size in each panel, of knife fuses complete with their bases, of which cartridge bodies are made of steatite or BMC with a high strength against short circuit current, which have undergone type tests, and have a minimum breaking capacity of 100 kA at 400 V. The cartridges shall not be made of low quality porcelain. The unit price shall be raised by 20 percent for 120 kA breaking capacity, and the installation charge shall not change. (BMC: Bould Molded Case) | | |
| 35.105.1501 | Up to 25 A | 54,50 | 13,80 |
| 35.105.1502 | Up to 63 A | 54,50 | 13,80 |
| 35.105.1503 | Up to 100 A | 54,50 | 13,80 |
| 35.105.1504 | Up to 160 A | 54,50 | 13,80 |
| 35.105.1505 | Up to 250 A | 91,50 | 13,80 |
| 35.105.1506 | Up to 400 A | 132,00 | 13,80 |
| 35.105.1507 | Up to 630 A | 236,00 | 13,80 |
| 35.105.1508 | Up to 1,000 A | 1.240,00 | 13,80 |
| **35.105.1600** | **Fuse Switches: (Fuse Knife Disconnectors) (Unit: Qty., Materials on construction site: 60%) (TS EN 60947-3)**<br>Supply and installation, including any material and labor, of switches which were type-tested in compliance with the AC 23 class, which are capable of breaking on both sides, made of V0 fire-resistant fiberglass-reinforced polyester, sheds the energy off its contacts when the current is cut out, which has knife fuses with arc suppression cells depending on the current to be used in the switch body, and has a minimum breaking capacity of 60 kA. If the breaking capacity is above 60 kA, the unit price shall be raised by 20 percent, and the original installation charge shall apply without any surcharge. | | |
| 35.105.1601 | Up to 3 x 25 A (3-phase) | 424,00 | 30,50 |
| 35.105.1602 | Up to 3 x 63 A (3-phase) | 424,00 | 30,50 |
| 35.105.1603 | Up to 3 x 100 A (3-phase) | 424,00 | 30,50 |
| 35.105.1604 | Up to 3 x 160 A (3-phase) | 476,00 | 30,50 |
| 35.105.1605 | Up to 3 x 250 A (3-phase) | 728,00 | 30,50 |
| 35.105.1606 | Up to 3 x 400 A (3-phase) | 894,00 | 35,80 |
| 35.105.1607 | Up to 3 x 630 A (3-phase) | 1.370,00 | 35,80 |
| **35.110.1000** | **Molded-case circuit breakers: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of compact latching switches capable of breaking in air environment, equipped with an activation mechanism independent of hand movements, and with thermal overload and magnetic short-circuit protection and with an Ics equivalent to minimum 50 percent of the Icu value, and which bear a CE marking and comply with the TS EN 60947-2 standard. (I1: Adjustable thermal protection activation current, I3: Fixed or adjustable magnetic protection activation current, In: Nominal current, Icu: Short-circuit breaking capacity, Ics: Operating short-circuit breaking capacity).<br>Note: The items shall have undergone type tests. | | |
| **35.110.1100** | **3-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, fixed magnetic protection** | | |
| 35.110.1101 | 3 x 10 A to 3 x 63 A, Icu: 35 kA, I1: (0.8-1)In | 1.230,00 | 39,40 |
| 35.110.1102 | Up to 3 x 100 A, Icu: 35 kA, I1: (0.8-1)In | 1.280,00 | 39,40 |
| 35.110.1103 | Up to 3 x 125 A, Icu: 35 kA, I1: (0.8-1)In | 1.290,00 | 39,40 |
| 35.110.1104 | Up to 3 x 160 A, Icu: 35 kA, I1: (0.8-1)In | 1.400,00 | 39,40 |
| 35.110.1105 | Up to 3 x 200 A, Icu: 35 kA, I1: (0.8-1)In | 1.730,00 | 39,40 |
| 35.110.1106 | Up to 3 x 250 A, Icu: 35 kA, I1: (0.8-1)In | 1.860,00 | 39,40 |
| 35.110.1107 | Up to 3 x 300 A (3-phase), Icu:35 kA, I1:(0.8-1)In | 2.780,00 | 39,40 |
| **35.110.1150** | **3-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, magnetic protection setting** | | |
| 35.110.1151 | Up to 3 x 400 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 3.580,00 | 39,40 |
| 35.110.1152 | Up to 3 x 500 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 3.990,00 | 39,40 |
| 35.110.1153 | Up to 3 x 630 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 4.810,00 | 39,40 |
| 35.110.1154 | Up to 3 x 800 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 7.130,00 | 39,40 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.110.1200** | **3-pole, minimum Icu at 400 V AC: 50 kA, adjustable thermal protection, fixed magnetic protection** | | |
| 35.110.1201 | 3 x 10 A to 3 x 63A, Icu: 50 kA, I1: (0.8-1)In | 1.300,00 | 39,40 |
| 35.110.1202 | Up to 3 x 100 A, Icu: 50 kA, I1: (0.8-1)In, | 1.330,00 | 39,40 |
| 35.110.1203 | Up to 3 x 125 A, Icu: 50 kA, I1: (0.8-1)In | 1.350,00 | 39,40 |
| 35.110.1204 | Up to 3 x 160 A, Icu: 50 kA, I1: (0.8-1)In | 1.460,00 | 39,40 |
| 35.110.1205 | Up to 3 x 200 A, Icu: 50 kA, I1: (0.8-1)In | 1.820,00 | 39,40 |
| 35.110.1206 | Up to 3 x 250 A, Icu: 50 kA, I1: (0.8-1)In | 1.940,00 | 39,40 |
| 35.110.1207 | Up to 3 x 300 A, Icu: 50 kA, I1: (0.8-1)In | 2.920,00 | 39,40 |
| **35.110.1250** | **3-pole, minimum Icu at 400 V AC: 50 kA, adjustable thermal protection, magnetic protection setting** | | |
| 35.110.1251 | Up to 3 x 400 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 4.190,00 | 39,40 |
| 35.110.1252 | Up to 3 x 500 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 4.580,00 | 39,40 |
| 35.110.1253 | Up to 3 x 630 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 5.520,00 | 39,40 |
| 35.110.1254 | Up to 3 x 800 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 8.690,00 | 39,40 |
| **35.110.1300** | **3-pole, minimum Icu at 400 V AC: 50 kA, electronic protection** | | |
| 35.110.1301 | Up to 3 x 1000 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 15.340,00 | 68,50 |
| 35.110.1302 | Up to 3 x 1250 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 17.000,00 | 68,50 |
| 35.110.1303 | Up to 3 x 1600 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 20.810,00 | 68,50 |
| **35.110.1350** | **3-pole, minimum Icu at 400 V AC: 65 kA, adjustable thermal protection, fixed magnetic protection** | | |
| 35.110.1351 | 3 x 10 A to 3 x 63 A, Icu: 65 kA, I1: (0.8-1)In | 1.350,00 | 39,40 |
| 35.110.1352 | Up to 3 x 100 A, Icu: 65 kA, I1: (0.8-1)In | 1.410,00 | 39,40 |
| 35.110.1353 | Up to 3 x 125 A, Icu: 65 kA, I1: (0.8-1)In | 1.420,00 | 39,40 |
| 35.110.1354 | Up to 3 x 160 A, Icu: 65 kA, I1: (0.8-1)In | 1.550,00 | 39,40 |
| 35.110.1355 | Up to 3 x 200 A, Icu: 65 kA, I1: (0.8-1)In | 1.930,00 | 39,40 |
| 35.110.1356 | Up to 3 x 250 A, Icu: 65 kA, I1: (0.8-1)In | 2.070,00 | 39,40 |
| 35.110.1357 | Up to 3 x 300 A, Icu: 65 kA, I1: (0.8-1)In | 3.070,00 | 39,40 |
| **35.110.1400** | **3-pole, minimum Icu at 400 V AC: 65 kA, adjustable thermal protection, magnetic protection setting** | | |
| 35.110.1401 | Up to 3 x 400 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 4.860,00 | 39,40 |
| 35.110.1402 | Up to 3 x 500 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 5.040,00 | 39,40 |
| 35.110.1403 | Up to 3 x 630 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 6.080,00 | 39,40 |
| 35.110.1404 | Up to 3 x 800 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 9.570,00 | 39,40 |
| **35.110.1450** | **3-pole, minimum Icu at 400 V AC: 65 kA, electronic protection** | | |
| 35.110.1451 | Up to 3 x 1000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 20.350,00 | 68,50 |
| 35.110.1452 | Up to 3 x 1250 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 21.330,00 | 68,50 |
| 35.110.1453 | Up to 3 x 1600 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 21.720,00 | 68,50 |
| **35.110.1500** | **4-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, fixed magnetic protection** | | |
| 35.110.1501 | 4 x 16 A to 63 A, Icu: 35 kA, I1: (0.8-1)In | 1.640,00 | 39,40 |
| 35.110.1502 | Up to 4 x 80 A, Icu: 35 kA, I1: (0.8-1)In | 1.660,00 | 39,40 |
| 35.110.1503 | Up to 4 x 100 A, Icu: 35 kA, I1: (0.8-1)In | 1.710,00 | 46,50 |
| 35.110.1504 | Up to 4 x 125 A, Icu: 35 kA, I1: (0.8-1)In | 1.720,00 | 48,50 |
| 35.110.1505 | Up to 4 x 160 A, Icu: 35 kA, I1: (0.8-1)In | 1.950,00 | 48,50 |
| 35.110.1506 | Up to 4 x 200 A,  Icu: 35 kA, I1: (0.8-1)In | 2.400,00 | 50,50 |
| 35.110.1507 | Up to 4 x 250 A, Icu: 35 kA, I1: (0.8-1)In | 2.590,00 | 52,00 |
| 35.110.1508 | Up to 4 x 300 A, Icu: 35 kA, I1: (0.8-1)In | 3.740,00 | 54,00 |
| **35.110.1550** | **4-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, magnetic protection setting** | | |
| 35.110.1551 | Up to 4 x 400 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 4.900,00 | 55,00 |
| 35.110.1552 | Up to 4 x 500 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 6.130,00 | 55,00 |
| 35.110.1553 | Up to 4 x 630 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 7.310,00 | 57,50 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.110.1554 | Up to 4 x 800 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In | 11.450,00 | 59,00 |
| **35.110.1600** | **4-pole, minimum Icu at 400 V AC: 50 kA, adjustable thermal protection, fixed magnetic protection** | | |
| 35.110.1601 | 4 x 16 A to 63 A, Icu: 50 kA, I1: (0.8-1)In | 1.710,00 | 39,40 |
| 35.110.1602 | Up to 4 x 80 A, Icu: 50 kA, I1: (0.8-1)In | 1.760,00 | 39,40 |
| 35.110.1603 | Up to 4 x 100 A, Icu: 50 kA, I1: (0.8-1)In | 1.780,00 | 46,50 |
| 35.110.1604 | Up to 4 x 125 A, Icu: 50 kA, I1: (0.8-1)In | 1.790,00 | 46,50 |
| 35.110.1605 | Up to 4 x 160 A, Icu: 50 kA, I1: (0.8-1)In | 2.040,00 | 48,50 |
| 35.110.1606 | Up to 4 x 200 A, Icu: 50 kA, I1: (0.8-1)In | 2.530,00 | 50,50 |
| 35.110.1607 | Up to 4 x 250 A, Icu: 50 kA, I1: (0.8-1)In | 2.700,00 | 50,50 |
| 35.110.1608 | Up to 4 x 300 A, Icu: 50 kA, I1: (0.8-1)In | 3.920,00 | 54,00 |
| **35.110.1650** | **4-pole, minimum Icu at 400 V AC: 50 kA, adjustable thermal protection, magnetic protection setting** | | |
| 35.110.1651 | Up to 4 x 400 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 5.770,00 | 55,00 |
| 35.110.1652 | Up to 4 x 500 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 6.130,00 | 55,00 |
| 35.110.1653 | Up to 4 x 630 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 7.310,00 | 57,50 |
| 35.110.1654 | Up to 4 x 800 A,  Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In | 11.450,00 | 59,00 |
| **35.110.1700** | **4-pole, minimum Icu at 400 V AC: 50 kA, electronic protection** | | |
| 35.110.1701 | Up to 4 x 300 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 3.920,00 | 54,00 |
| 35.110.1702 | Up to 4 x 400 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 5.770,00 | 55,00 |
| 35.110.1703 | Up to 4 x 500 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 6.130,00 | 55,00 |
| 35.110.1704 | Up to 4 x 630 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 7.310,00 | 57,50 |
| 35.110.1705 | Up to 4 x 800 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 11.450,00 | 59,00 |
| 35.110.1706 | Up to 4 x 1000 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 20.490,00 | 60,50 |
| 35.110.1707 | Up to 4 x 1250 A Icu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 23.160,00 | 60,50 |
| 35.110.1708 | Up to 4 x 1600 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 29.130,00 | 60,50 |
| **35.110.1750** | **4-pole, minimum Icu at 400 V AC: 65 kA, adjustable thermal protection, fixed magnetic protection** | | |
| 35.110.1751 | 4 x 16 A to 63 A, Icu: 65 kA, I1: (0.8-1)In | 1.800,00 | 39,40 |
| 35.110.1752 | Up to 4 x 80 A, Icu: 65 kA, I1: (0.8-1)In | 1.850,00 | 39,40 |
| 35.110.1753 | Up to 4 x 100 A, Icu: 65 kA, I1: (0.8-1)In | 1.880,00 | 46,50 |
| 35.110.1754 | Up to 4 x 125 A, Icu: 65 kA, I1: (0.8-1)In | 1.890,00 | 46,50 |
| 35.110.1755 | Up to 4 x 160 A, Icu: 65 kA, I1: (0.8-1)In | 2.160,00 | 48,50 |
| 35.110.1756 | Up to 4 x 200 A, Icu: 65 kA, I1: (0.8-1)In | 2.670,00 | 50,50 |
| 35.110.1757 | Up to 4 x 250 A, Icu: 65 kA, I1: (0.8-1)In | 2.870,00 | 50,50 |
| 35.110.1758 | Up to 4 x 300 A, Icu: 65 kA, I1: (0.8-1)In | 4.110,00 | 54,00 |
| **35.110.1800** | **4-pole, minimum Icu at 400 V AC: 65 kA, adjustable thermal protection, magnetic protection setting** | | |
| 35.110.1801 | Up to 4 x 400 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 9.260,00 | 55,00 |
| 35.110.1802 | Up to 4 x 500 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 9.540,00 | 55,00 |
| 35.110.1803 | Up to 4 x 630 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 10.110,00 | 57,50 |
| 35.110.1804 | Up to 4 x 800 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In | 15.400,00 | 59,00 |
| **35.110.1850** | **4-pole, minimum Icu at 400 V AC: 65 kA, electronic protection** | | |
| 35.110.1851 | Up to 4 x 300 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 4.110,00 | 54,00 |
| 35.110.1852 | Up to 4 x 400 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 5.770,00 | 55,00 |
| 35.110.1853 | Up to 4 x 500 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 9.540,00 | 55,00 |
| 35.110.1854 | Up to 4 x 630 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 10.110,00 | 57,50 |
| 35.110.1855 | Up to 4 x 800 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 15.400,00 | 59,00 |
| 35.110.1856 | Up to 4 x 1000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 21.400,00 | 60,50 |
| 35.110.1857 | Up to 4 x 1250 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 24.360,00 | 60,50 |
| 35.110.1858 | Up to 4 x 1600 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 31.350,00 | 60,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.110.5000** | **Air circuit breakers (Unit: Qty.)**<br>Open-type circuit breakers with electronic protection relays, which are in compliance with the TS 1058 EN 60947-2 standard, used for low-voltage protection and control, and which have a 400-V Operating short-circuit breaking capacity (Ics) that is 100 percent equal to the short-circuit breaking capacity (Icu). (I1: Adjustable nominal thermal protection activation current, I3: Fixed or adjustable magnetic protection activation current, In: Nominal current, Icu: Short-circuit breaking capacity, Ics: Operating short circuit breaking capacity)<br>Note: The items shall have undergone type tests. | | |
| **35.110.5100** | **3-pole, minimum Icu at 400 V AC: 65 kA, electronic protection** | | |
| 35.110.5101 | Up to 3 x 1600 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 23.280,00 | 1.630,00 |
| 35.110.5102 | Up to 3 x 2000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 35.350,00 | 2.400,00 |
| 35.110.5103 | Up to 3 x 2500 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 37.120,00 | 2.770,00 |
| 35.110.5104 | Up to 3 x 3200 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 44.230,00 | 3.370,00 |
| 35.110.5105 | Up to 3 x 4000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 84.120,00 | 6.060,00 |
| **35.110.5150** | **3-pole, minimum Icu at 400 V AC: 100 kA, electronic protection** | | |
| 35.110.5151 | Up to 3 x 1600 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, with electronic protection | 30.900,00 | 1.630,00 |
| 35.110.5152 | 3 x 2000 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 39.860,00 | 2.400,00 |
| 35.110.5153 | Up to 3 x 2500 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 43.500,00 | 2.770,00 |
| 35.110.5154 | Up to 3 x 3,200 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 47.510,00 | 3.370,00 |
| 35.110.5155 | Up to 3 x 4,000 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 90.360,00 | 6.060,00 |
| 35.110.5156 | Up to 3 x 5,000 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 159.400,00 | 7.860,00 |
| **35.110.5200** | **4-pole, minimum Icu at 400 V AC: 65 kA, electronic protection** | | |
| 35.110.5201 | Up to 4 x 1600 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 39.580,00 | 1.630,00 |
| 35.110.5202 | Up to 4 x 2000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 48.320,00 | 2.400,00 |
| 35.110.5203 | Up to 4 x 2500 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 53.020,00 | 2.770,00 |
| 35.110.5204 | Up to 4 x 3200 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 59.090,00 | 3.370,00 |
| 35.110.5205 | Up to 4 x 4000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 145.300,00 | 6.060,00 |
| **35.110.5250** | **4-pole, minimum Icu at 400 V AC: 100 kA, electronic protection** | | |
| 35.110.5251 | Up to 4 x 1600 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 54.850,00 | 1.630,00 |
| 35.110.5252 | Up to 4 x 2000 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 68.920,00 | 2.400,00 |
| 35.110.5253 | Up to 4 x 2500 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 77.250,00 | 2.770,00 |
| 35.110.5254 | Up to 4 x 3200 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 83.180,00 | 3.370,00 |
| 35.110.5255 | Up to 4 x 4000 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 156.400,00 | 6.060,00 |
| 35.110.5256 | Up to 4 x 5000 A Icu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection | 199.300,00 | 7.860,00 |
| **35.110.5500** | **Additions for remote control, compact, thermally and magnetically protected and open type switches: (Unit: Qty.) (in compliance with TS EN 60947-2)**<br>Supply and installation, including any material and labor, of the additional equipment that is separately installed to molded-case circuit breakers, performs remote turning on and off by a motor mechanism, and has the necessary control buttons, an trip coil (and also a closing coil for open-type switches) and auxiliary contacts | | |
| 35.110.5501 | 3- or 4-pole, Up to 250 A. | 3.900,00 | 30,70 |
| 35.110.5502 | 3- or 4-pole, Up to 630 A | 7.020,00 | 43,30 |
| 35.110.5503 | 3- or 4-pole, Up to 1000 A | 10.290,00 | 154,00 |
| 35.110.5504 | 3- or 4-pole, Up to 1600 A | 11.830,00 | 303,00 |
| 35.110.5505 | 3- or 4-pole, Up to 2500 A. | 12.260,00 | 312,00 |
| 35.110.5506 | 3- or 4-pole, Up to 5000 A. | 12.620,00 | 322,00 |
| **35.115.1000** | **Residual current circuit breakers: (Unit: Qty.)**<br>Supply, installation, and delivery in working order, including any material and labor, of a residual current circuit breaker designed in compliance with the Regulations, specifications, and standards on Internal Electrical Installation and released in compliance with the TS EN 61008-1, TS EN 61008-2-1 standards and with a CE marking, which, in case of any residual current in electrical installation, detects the faulty current on the phases and neutral line and breaks the circuit in 10-30 seconds to ensure safety of life and property, features a differential | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | coil that steps in at 220 V for single-phase circuits, and at 380 V for 3-phase circuits, and a test button for testing whether the system is functioning, which is available for installation on the carriage rails, protected against external effects, can continue on working at 30 mA for life protection and 300 mA for fire protection even if neutral line breaks down. | | |
| 35.115.1001 | Up to 2 x 25 A (30 mA) | 218,00 | 10,80 |
| 35.115.1002 | Up to 2 x 40 A (30 mA) | 227,00 | 10,80 |
| 35.115.1003 | Up to 2 x 63 A (30 mA) | 253,00 | 10,80 |
| 35.115.1004 | Up to 2 x 80 A (30 mA) | 544,00 | 10,80 |
| 35.115.1005 | Up to 2 x 100 A (30 mA) | 626,00 | 10,80 |
| 35.115.1020 | Up to 4 x 25 A (30 mA) | 309,00 | 10,80 |
| 35.115.1021 | Up to 4 x 40 A (30 mA) | 315,00 | 10,80 |
| 35.115.1022 | Up to 4 x 63 A (30 mA) | 359,00 | 10,80 |
| 35.115.1023 | Up to 4 x 80 A (30 mA) | 737,00 | 10,80 |
| 35.115.1024 | Up to 4 x 100 A (30 mA) | 834,00 | 10,80 |
| 35.115.1040 | Up to 4 x 125 A (30 mA) | 899,00 | 10,80 |
| 35.115.1041 | Up to 2 x 25 A (300 mA) | 232,00 | 10,80 |
| 35.115.1042 | Up to 2 x 40 A (300 mA) | 253,00 | 10,80 |
| 35.115.1043 | Up to 2 x 63 A (300 mA) | 263,00 | 10,80 |
| 35.115.1044 | Up to 2 x 80 A (300 mA) | 548,00 | 10,80 |
| 35.115.1045 | Up to 2 x 100 A (300 mA) | 602,00 | 10,80 |
| 35.115.1060 | Up to 4 x 25 A (300 mA) | 312,00 | 14,90 |
| 35.115.1061 | Up to 4 x 40 A (300 mA) | 347,00 | 14,90 |
| 35.115.1062 | Up to 4 x 63 A (300 mA) | 373,00 | 14,90 |
| 35.115.1063 | Up to 4 x 80 A (300 mA) | 551,00 | 14,90 |
| 35.115.1064 | Up to 4 x 100 A (300 mA) | 703,00 | 14,90 |
| 35.115.1065 | Up to 4 x 125 A (300 mA) | 841,00 | 14,90 |
| **35.115.1200** | **Residual Current Protection Relay with Toroidal Current Transformer (Unit: Qty.):**<br>A combination with toroid, relay, special cable and trip coil that are installed additionally on the molded-case circuit breaker output. The relays shall be operable electronic with adjustable sensitivity and delay, protection against undesirable activation, pre-alarm, warning LEDs, in compliance with the TS IEC 755 and compatible with all toroids. The toroids shall be open/closed type, 30-300 mm in diameter and thermoplastically insulated | | |
| 35.115.1201 | 3 x 80 A to 3 x 250 A (3-phase): 30-500 mA | 3.680,00 | 19,20 |
| 35.115.1202 | 3 x 300 A to 3 x 1,250 A (3-phase): 30-500 mA | 6.480,00 | 19,20 |
| 35.115.1203 | 3 x 1,600 A and above (3-phase): 30-500 mA | 7.250,00 | 15,80 |
| **35.115.1500** | **Motor protection circuit breakers: (Unit: Qty.)**<br>Supply and installation, including any material and labor of a device that is in compliance with TS EN 60947-1, TS EN60947-2, TS EN 60947-4-1 standards and released with a CE compliance marking, which grants thermal and magnetic protection against short-circuits, overloading and phase errors, while the motor circuit breakers manually controls the motors being ON or OFF<br>Note: In: Nominal current: Icu: Short circuit breaking capacity | | |
| 35.115.1501 | In: up to 0.25-0.4 (Icu: 50 kA) | 268,00 | 16,70 |
| 35.115.1502 | In: up to 2.5-4 (Icu: 50 kA) | 268,00 | 16,70 |
| 35.115.1503 | In: up to 4-6.3 (Icu: 50 kA) | 268,00 | 16,70 |
| 35.115.1504 | In: up to 6.3-10 (Icu: 50 kA) | 288,00 | 18,10 |
| 35.115.1505 | In: up to 8-12 (Icu: 50 kA) | 296,00 | 20,30 |
| 35.115.1506 | In: up to 10-16 (Icu: 50 kA) | 324,00 | 20,30 |
| 35.115.1507 | In: up to 16-20 (Icu: 50 kA) | 365,00 | 22,80 |
| 35.115.1508 | In: up to 20-25 (Icu: 50 kA) | 393,00 | 24,90 |
| 35.115.1509 | In: up to 25-32 (Icu: 50 kA) | 651,00 | 41,00 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.115.1550 | In: up to 0.25-0.4 (Icu: 100 kA) | 305,00 | 19,20 |
| 35.115.1551 | In: up to 2.5-4 (Icu: 100 kA) | 305,00 | 19,20 |
| 35.115.1552 | In: up to 4-6.3 (Icu: 100 kA) | 305,00 | 19,20 |
| 35.115.1553 | In: up to 6.3-10 (Icu: 100 kA) | 336,00 | 21,00 |
| 35.115.1554 | In: up to 8-12 (Icu: 100 kA) | 368,00 | 23,20 |
| 35.115.1555 | In: up to 10-16 (Icu: 100 kA) | 368,00 | 23,20 |
| 35.115.1556 | In: up to 16-20 (Icu: 100 kA) | 381,00 | 25,30 |
| 35.115.1557 | In: up to 20-25 (Icu: 100 kA) | 407,00 | 27,70 |
| 35.115.1558 | In: up to 25-32 (Icu: 100 kA) | 449,00 | 45,80 |
| **35.115.2100** | **Enclosure-type overvoltage protectors (Low-Voltage Surge Arresters) (Unit: Qty.)**<br>Overvoltage protectors of Type 1 (class B), Type 2 (class C), Type 3 (class D) protecting energy supplies against atmospheric discharges (lightning strikes) temporary overvoltage peaks, and providing single-phase, 2-phase, 3-phase and neutral protection against over-voltage, which are equipped with an extra contact output for signalization, fully hermetically enclosed, installed on the rails of the enclosure without damaging it or other equipment in it or requiring a safety distance with the enclosure, and were released in compliance with the TS EN 61643-11 standard and with a CE marking. 1- Overvoltage protectors shall be completely hermetically sealed. The protector should not have an arc discharge gap. The protector shall suppress arcs in itself rather than drawing it through the arc discharge gap and suppressing it with air. Thus, it shall be possible to install the protector anywhere within the enclosure without the requirement of a safety distance. 2- Type 2 (Class C) and Type 3 (Class D) protectors shall be equipped with an indicator that indicates whether the device runs smoothly or not. (I imp: Maximum impulse current for Type 1 surge arresters, I max: Maximum discharge current for type 2 and Type 3 surge arresters) | | |
| 35.115.2101 | Class B, 230V AC, 100 kA (I imp; 10/350 µs), 3-phase, neutral-earth | 4.450,00 | 371,00 |
| 35.115.2102 | Class B, 230 V AC, 100 kA (I imp; 10/350 µs), 3-phase, neutral/earth, with extra contact output | 4.980,00 | 406,00 |
| 35.115.2103 | Class B+C, 230 V AC, 50 kA (I max: 10/350 µs), phase/earth or neutral/earth | 2.460,00 | 159,00 |
| 35.115.2104 | Class B+C, 230 V AC, 50 kA (I max: 10/350 µs), phase/earth or neutral/earth, with extra contact output | 2.540,00 | 169,00 |
| 35.115.2107 | Class C 230/400 V AC, 40 kA, (I max; 8/20 µs), phase/earth, 2 phase/earth or phase/neutral/earth | 574,00 | 77,00 |
| 35.115.2108 | Class C 230/400 V AC, 40 kA, (I max; 8/20 µs), phase/earth, 2 phase/earth or phase/neutral/earth, with extra contact output | 824,00 | 106,00 |
| 35.115.2109 | Class C 230/400 V AC, 40 kA, (I max; 8/20 µs), 3 phase/earth | 824,00 | 132,00 |
| 35.115.2110 | Class C 230/400 V AC, 40 kA, (I max; 8/20 µs), 3 phase/earth, with extra contact output | 1.380,00 | 154,00 |
| 35.115.2111 | Class C 230/400 V AC, 40 kA, (I max; 8/20 µs), 3-phase, neutral, earth | 1.610,00 | 156,00 |
| 35.115.2112 | Class C 230/400 V AC, 40 kA, (I max; 8/20 µs), 3-phase, neutral, earth, with extra contact output | 1.980,00 | 189,00 |
| 35.115.2113 | Class C+D 230 V AC, 40 kA, (I max; 8/20 µs) phase, neutral, earth | 1.450,00 | 142,00 |
| 35.115.2114 | Class C+D 230 V AC, 40 kA, (I max; 8/20 µs), phase, neutral, earth, with extra contact output | 1.520,00 | 182,00 |
| 35.115.2115 | Class D 230 V AC, 20 kA, (I max; 8/20 µs) phase, neutral, earth | 443,00 | 86,00 |
| 35.115.2116 | Class D 230 V AC, 20 kA, (I max; 8/20 µs), phase, neutral, earth, with extra contact output | 818,00 | 106,00 |
| 35.115.2119 | Class B+C coupling coil 400V AC, 35A | 716,00 | 77,00 |
| 35.115.2120 | Class C+D coupling coil 400V AC, 2x35A | 694,00 | 77,00 |
| **35.115.2500** | **TRANSFORMERS: (Unit: Qty. Materials on construction site: 60%) (TS EN 61558-2-4, TS EN 61558-2-5, TS EN 61558-2-6, TS EN 61558-2-7, TS EN 61558-2-8, TS EN 61558-2-9, TS EN 61558-1 )**<br>Supply and installation of the transformer, including any material and labor. | | |
| 35.115.2501 | 110 - 220/15 V Up to 50 VA | 65,50 | 12,50 |
| 35.115.2502 | 110 - 220/24 V Up to 500 VA | 257,00 | 12,50 |
| 35.115.2503 | 110 - 220/24 V Up to 1,000 VA | 354,00 | 12,50 |
| 35.115.2504 | 110 - 220/48 V Up to 100 VA | 166,00 | 12,50 |
| 35.115.2505 | 110 - 220/48 V Up to 500 VA | 304,00 | 12,50 |
| **35.120.1000** | **CAM SWITCHES:** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Cam switches shall bear a CE marking and comply with TS 4915 EN 60669-1 and TS EN 60947-3 standards. | | |
| **35.120.1100** | **Step-type cam switches: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of the position dial and control lever or button of a cam switch with a sheet metal or plastic enclosure, rotating hub, and up to 5 positions, which allows rotary and spring-loaded opening and closure of contacts. | | |
| 35.120.1101 | Up to 2 x 16 A | 80,50 | 14,90 |
| 35.120.1102 | Up to 2 x 25 A | 97,50 | 14,90 |
| 35.120.1103 | Up to 2 x 40 A | 119,00 | 14,90 |
| 35.120.1104 | Up to 3 x 25 A | 116,00 | 19,90 |
| 35.120.1105 | Up to 3 x 40 A | 195,00 | 19,90 |
| 35.120.1106 | Up to 3 x 63 A | 287,00 | 19,90 |
| 35.120.1107 | Up to 3 x 100 A | 517,00 | 24,90 |
| 35.120.1108 | Up to 3 x 125 A | 693,00 | 24,90 |
| 35.120.1109 | Up to 3 x 160 A | 748,00 | 24,90 |
| **35.120.1150** | **On-off type cam switches: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of cam switches with only two positions. | | |
| 35.120.1151 | Up to 2 x 16 A | 53,00 | 14,90 |
| 35.120.1152 | Up to 2 x 25 A | 75,50 | 14,90 |
| 35.120.1153 | Up to 2 x 40 A | 112,00 | 14,90 |
| 35.120.1154 | Up to 3 x 25 A | 116,00 | 19,90 |
| 35.120.1155 | Up to 3 x 40 A | 184,00 | 19,90 |
| 35.120.1156 | Up to 3 x 63 A | 270,00 | 19,90 |
| 35.120.1157 | Up to 3 x 100 A | 430,00 | 24,90 |
| 35.120.1158 | Up to 3 x 125 A | 602,00 | 24,90 |
| 35.120.1159 | Up to 3 x 160 A | 679,00 | 24,90 |
| **35.120.1200** | **Star-delta type cam switches (Unit: Qty.):**<br>Supply and installation, including any material and labor, of cam switches with a star-delta connection assembly. | | |
| 35.120.1201 | Up to 3 x 25 A | 141,00 | 19,90 |
| 35.120.1202 | Up to 3 x 40 A | 184,00 | 19,90 |
| 35.120.1203 | Up to 3 x 63 A | 348,00 | 19,90 |
| **35.120.1250** | **Reversing cam switches: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of an reversing type cam switches to be used for inverting the motor’s direction of rotation. | | |
| 35.120.1251 | Up to 3 x 25 A | 180,00 | 19,90 |
| 35.120.1252 | Up to 3 x 40 A | 218,00 | 19,90 |
| 35.120.1253 | Up to 3 x 63 A | 391,00 | 19,90 |
| 35.120.1254 | Up to 3 x 100 A | 638,00 | 24,90 |
| 35.120.1255 | Up to 3 x 125 A | 913,00 | 24,90 |
| **35.120.1300** | **Step-type outdoor cam switches: (Unit: Qty.)**<br>Supply and installation of cam switches with IP 65 degree of protection and the same specifications as the item 35.120.1100 in terms of other properties. | | |
| 35.120.1301 | Up to 2 x 16 A | 102,00 | 14,90 |
| 35.120.1302 | Up to 2 x 25 A | 110,00 | 14,90 |
| 35.120.1303 | Up to 2 x 40 A | 150,00 | 14,90 |
| 35.120.1304 | Up to 3 x 25 A | 184,00 | 19,90 |
| 35.120.1305 | Up to 3 x 40 A | 279,00 | 19,90 |
| 35.120.1306 | Up to 3 x 63 A | 461,00 | 19,90 |
| 35.120.1307 | Up to 3 x 100 A | 619,00 | 24,90 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.120.1308 | Up to 3 x 125 A | 709,00 | 24,90 |
| 35.120.1309 | Up to 3 x 160 A | 773,00 | 24,90 |
| **35.120.1350** | **On-off type outdoor cam switches: (Unit: Qty.)**<br>Supply and installation of cam switches with IP 65 degree of protection, only two positions and the same specifications as the Unit Price No. 35.100.1150. | | |
| 35.120.1351 | Up to 2 x 16 A | 84,00 | 14,90 |
| 35.120.1352 | Up to 2 x 25 A | 102,00 | 14,90 |
| 35.120.1353 | Up to 2 x 40 A | 123,00 | 14,90 |
| 35.120.1354 | Up to 3 x 25 A | 125,00 | 19,90 |
| 35.120.1355 | Up to 3 x 40 A | 236,00 | 19,90 |
| 35.120.1356 | Up to 3 x 63 A | 400,00 | 19,90 |
| 35.120.1357 | Up to 3 x 100 A | 568,00 | 24,90 |
| 35.120.1358 | Up to 3 x 125 A | 645,00 | 24,90 |
| 35.120.1359 | Up to 3 x 160 A | 748,00 | 24,90 |
| **35.120.1400** | **Latching Switches: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of latching switches with frontal control, connection to the controller latch and spring contacts, which bear a CE marking and comply with the TS 4915 EN 60669-1 standard. | | |
| 35.120.1401 | Up to 2 x 16 A | 30,70 | 10,10 |
| 35.120.1402 | Up to 3 x 25 A | 41,10 | 10,10 |
| 35.120.1403 | Up to 3 x 32 A | 62,50 | 10,10 |
| **35.120.1450** | **SIGNAL LIGHTS (Unit: Qty.)**<br>Supply, transportation to the work site, installation and connection, delivery in working order of flush-mounted signal lights of specified colors depending on the location, which shall comply with the TS 2575 EN 60073 standards (socket and light bulb are included in the price.) | | |
| 35.120.1451 | Max. 24 V | 21,50 | 5,95 |
| 35.120.1452 | Max. 48 V | 21,50 | 5,95 |
| 35.120.1453 | Max. 65 V | 21,90 | 5,95 |
| 35.120.1454 | Max. 250 V | 22,20 | 5,95 |
| 35.120.1455 | Max. 500 V | 22,30 | 5,95 |
| **35.120.2000** | **AUTOMATIC TRANSFER SWITCHES (Unit: Qty.)**<br>Supply, installation and delivery in working order, of a switch with auxiliary contacts, which shall be used for transfer between two sources (Transformer - Generator, Transformer - Transformer, Generator - Generator), automatic, and ready for manual use when necessary, single casing, equipped with a factory-built electrical and mechanical locks, guaranteed by the manufacturer for transfer between the sources, capable of being enabled and disabled safely, automatically and manually, and which shall transfer automatically to a backup source when the primary source voltage drops or rises below or above a preset value and/or cut out completely, the frequency drops and/or rises below or above a preset value, control the phase sequence, start and stop the generator automatically, check source availability, display switch positions and error details, allow nominal source voltage, nominal source frequency and transfer time between sources, and comply with the TS EN 60947-6-1 standard and bear a CE marking. | | |
| 35.120.2001 | 3 x 125 A | 6.220,00 | 185,00 |
| 35.120.2002 | 3 x 200 A | 6.720,00 | 185,00 |
| 35.120.2003 | 3 x 250 A | 8.970,00 | 185,00 |
| 35.120.2004 | 3 x 315 A | 9.820,00 | 185,00 |
| 35.120.2005 | 3 x 400 A | 10.570,00 | 185,00 |
| 35.120.2006 | 3 x 500 A | 10.930,00 | 185,00 |
| 35.120.2007 | 3 x 630 A | 11.360,00 | 185,00 |
| 35.120.2008 | 3 x 800 A | 14.630,00 | 185,00 |
| 35.120.2009 | 3 x 1,000 A | 20.990,00 | 185,00 |
| 35.120.2010 | 3 x 1,250 A | 24.280,00 | 205,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.120.2011 | 3 x 1,600 A | 31.160,00 | 205,00 |
| 35.120.2012 | 3 x 2,000 A | 41.370,00 | 205,00 |
| 35.120.2013 | 3 x 2,500 A | 55.210,00 | 205,00 |
| 35.120.2014 | 3 x 3,200 A | 63.790,00 | 205,00 |
| 35.120.2015 | 4 x 100 A | 4.580,00 | 185,00 |
| 35.120.2016 | 4 x 200 A | 7.590,00 | 185,00 |
| 35.120.2017 | 4 x 315 A | 10.510,00 | 185,00 |
| 35.120.2018 | 4 x 400 A | 11.880,00 | 185,00 |
| 35.120.2019 | 4 x 500 A | 12.070,00 | 185,00 |
| 35.120.2020 | 4 x 630 A | 13.090,00 | 185,00 |
| 35.120.2021 | 4 x 800 A | 17.560,00 | 185,00 |
| 35.120.2022 | 4 x 1,000 A | 23.850,00 | 205,00 |
| 35.120.2023 | 4 x 1,250 A | 27.710,00 | 205,00 |
| 35.120.2024 | 4 x 1,600 A | 38.550,00 | 205,00 |
| 35.120.2025 | 4 x 2,000 A | 55.210,00 | 205,00 |
| 35.120.2026 | 4 x 2,500 A | 63.800,00 | 205,00 |
| 35.120.2027 | 4 x 3,200 A | 83.830,00 | 205,00 |
| **35.120.2100** | **Automatic reversing switch with thermal and magnetic protector: (Unit: Qty.)**<br>Supply and installation, including an auxiliary contactor, any material and labor, of a reversing switch, manufactured in compliance with the TS EN 60947-6-1 standards and released with a CE marking. | | |
| 35.120.2101 | Up to 3 x 25 A | 2.250,00 | 27,00 |
| 35.120.2102 | Up to 3 x 63 A | 3.790,00 | 34,50 |
| 35.120.2103 | Up to 3 x 100 A | 7.700,00 | 37,50 |
| 35.120.2104 | Up to 3 x 200 A | 10.110,00 | 46,90 |
| 35.120.2105 | Up to 3 x 400 A | 12.430,00 | 49,70 |
| 35.120.2106 | Up to 3 x 600 A | 16.700,00 | 53,00 |
| 35.120.2107 | Up to 3 x 1,000 A | 27.230,00 | 58,00 |
| **35.125.1000** | **CONTACTORS (Materials on construction site: 60%) (TS EN 60947-4-1)** | | |
| **35.125.1100** | **Dry-type contactors without protector: (Unit: Qty.)**<br>Supply and installation, including auxiliary contacts and any material and labor, of dry-type, 3-phase AC3 class contactors with separate control buttons without protective relays. Unit: The number of installed contactors shall be taken. | | |
| 35.125.1101 | Up to 3 x 10 A | 160,00 | 22,10 |
| 35.125.1102 | Up to 3 x 16 A | 188,00 | 22,10 |
| 35.125.1103 | Up to 3 x 25 A | 212,00 | 22,10 |
| 35.125.1104 | Up to 3 x 40 A | 467,00 | 26,70 |
| 35.125.1105 | Up to 3 x 63 A | 712,00 | 26,70 |
| 35.125.1106 | Up to 3 x 100 A | 1.350,00 | 30,90 |
| 35.125.1107 | Up to 3 x 160 A | 2.030,00 | 30,90 |
| 35.125.1108 | Up to 3 x 200 A | 3.150,00 | 39,40 |
| 35.125.1109 | Up to 3 x 300 A | 4.980,00 | 43,10 |
| 35.125.1110 | Up to 3 x 400 A | 6.750,00 | 43,10 |
| 35.125.1111 | Up to 3 x 630 A | 12.160,00 | 43,10 |
| 35.125.1112 | Up to 3 x 800 A | 15.190,00 | 43,10 |
| **35.125.1200** | **Contactors for capacitor switching: (Unit: Qty.)**<br>A capacitor duty contactor that is identical with the Item No. 35.125.1100, and takes its power through the discharge resistance when energized, and closes the main contactors after the start-up current, including any material and labor. | | |
| 35.125.1201 | Contactors for capacitor switching up to 15 kVAR | 360,00 | 17,70 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.125.1202 | Contactors for capacitor switching up to 20 kVAR | 450,00 | 22,10 |
| 35.125.1203 | Contactors for capacitor switching up to 30 kVAR | 929,00 | 54,00 |
| 35.125.1204 | Contactors for capacitor switching up to 50 kVAR | 1.330,00 | 79,00 |
| 35.125.1205 | Contactors for capacitor switching up to 60 kVAR | 1.590,00 | 93,00 |
| **35.125.1300** | **Dry-type contactors with thermal protectors: (Unit: Qty.)**<br>Supply and installation of a contactor that is the same as the Item No. 35.125.1100 with only an extra thermal protector relay. | | |
| 35.125.1301 | Up to 3 x 10 A | 430,00 | 22,80 |
| 35.125.1302 | Up to 3 x 16 A | 457,00 | 22,80 |
| 35.125.1303 | Up to 3 x 25 A | 556,00 | 22,80 |
| 35.125.1304 | Up to 3 x 40 A | 775,00 | 27,60 |
| 35.125.1305 | Up to 3 x 63 A | 1.580,00 | 27,60 |
| 35.125.1306 | Up to 3 x 100 A | 2.100,00 | 27,60 |
| 35.125.1307 | Up to 3 x 160 A | 3.200,00 | 32,20 |
| 35.125.1308 | Up to 3 x 200A | 5.590,00 | 41,30 |
| **35.125.1700** | **Electronic motor protection relay: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of a device to be used on 3-phase motors, with phase indicator lights, current setting knob, start and stop buttons, and stop lamp, which shall be made up of electronic circuits, and shall protect the motor in case of power outage, drop or rise of the voltage below or above a predetermined value or change of frequency, 25 percent excessive load of the motor's nominal current or continuation of this event for 4 seconds, or any of the supply phases of the motor is broken. NOTE: Where a current transformer is used, the unit price given in item 35.135.1900 shall be applicable. | | |
| 35.125.1701 | Up to 3 x 12 A | 392,00 | 78,00 |
| **35.125.1750** | **Time relay: (Unit: Qty.: Materials on construction site: 60%)**<br>Supply, installation, and connection, including any small material and labor, of a complete time relay that can operate at a desired time interval. | | |
| 35.125.1751 | 0 - 60 seconds | 267,00 | 25,80 |
| 35.125.1752 | 1 - 10 minutes | 282,00 | 25,80 |
| 35.125.1760 | **Time relay that is used for lighting control. (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, testing and delivery in working order, of a digital time relay designed for use within a certain range of voltages, which has type test reports as per 2014/35/EU Low Voltage Directive (LVD), the regulation on electromagnetic compatibility (2004/108/EC), and the standards and directives of TS EN 60730-2-7 as well as a CE marking, controls lighting at the hours set using its program based on the adjusted time periods, and which is equipped with output contacts, battery-powered, and accompanied by a user's manual. | 556,00 | 63,50 |
| 35.125.1770 | **Photocell switch: (Unit: Qty.)**<br>Supply and installation of a switch that is capable of detecting temporary darkness in daytime and temporary lights at nighttime with an adjustable latency of 15 to 190 seconds, and resistant to snow, dust, etc. for illumination of streets, store windows, illuminated billboards, gardens, parks, parking lots, garages, and for the external lights and road lights of the mass housing project. | 212,00 | 25,80 |
| **35.125.2000** | **FLOAT SWITCHES: (Materials on construction site: 60%).** | | |
| **35.125.2100** | **Mechanical contact type: (Unit: Qty.)**<br>Supply and installation complete with a mineral or plastic floater, controller mill, copper wire, reels, weather-proof contactor and electrical connections, including any material and labor. | | |
| 35.125.2101 | Up to 2 x 25 A (Single-phase) | 225,00 | 18,10 |
| 35.125.2102 | Up to 3 x 25 A (3-phase) | 252,00 | 18,90 |
| **35.125.2200** | **Mercury contact type: (Unit: Qty.)**<br>Supply and installation of a float switch that is identical with the Item No. 35.125.2100 except that a contactor circuit operates with a mercury switch connected to the floater. | | |
| 35.125.2201 | Up to 2 x 25 A (Single-phase) | 259,00 | 17,60 |
| 35.125.2202 | Up to 3 x 25 A (3-phase) | 252,00 | 17,60 |
| **35.125.2300** | **Regular contact type: (Unit: Qty.)** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Identical with Item No. 35.125.2100 except that a float switch directly controlled by the floater shall be supplied and installed on the contactor coil. | | |
| 35.125.2301 | Up to 2 x 25 A (Single-phase) | 138,00 | 17,60 |
| 35.125.2302 | Up to 3 x 25 A (3-phase) | 156,00 | 17,60 |
| **35.125.2400** | **Mechanical contact type without contactors: (Unit: Qty.)** | | |
| 35.125.2401 | Up to 6 A,identical with Unit Price No. 35.125.2100 except that it does not have contractors. | 90,50 | 17,60 |
| **35.125.2500** | **Mercury contact type without contactors: (Unit: Qty.)** | | |
| 35.125.2501 | Up to 6 A, identical with the Item No. 35.125.2200, except that it is the contactor-free type. | 90,50 | 17,60 |
| **35.125.2600** | **Regular contact type without contactors: (Unit: Qty.)** | | |
| 35.125.2601 | Up to 6 A, identical with Unit Price No. 35.125.2300 except that it does not have contractors. | 90,50 | 17,60 |
| **35.125.2700** | **Star delta automatic switch with a contactor: (Unit: Qty.)**<br>Supply and installation, including any material and labor, of a flush-mounted and surface-mounted panel with a lockable door, start - stop button, and the fuses for the signal lamp, time delay relays, panel-type terminal blocks, contactors and automatic star-delta switch with thermal protection relay. NOTE: Start - stop buttons and signal lamps shall not be installed on the panel door and the door shall be earthed. | | |
| 35.125.2701 | Up to 3 x 25 A | 2.150,00 | 73,50 |
| 35.125.2702 | Up to 3 x 63 A | 3.490,00 | 73,50 |
| 35.125.2703 | Up to 3 x 80 A | 6.230,00 | 81,50 |
| 35.125.2704 | Up to 3 x 100 A | 7.680,00 | 81,50 |
| 35.125.2705 | Up to 3 x 250 A | 12.120,00 | 81,50 |
| **35.125.2800** | **POWER DIMMERS: (Unit: Qty.), (Materials on construction site: 60%)**<br>Remote-control power dimmers used to adjust the lighting level of the system. Supply, installation, and delivery in working order, including any material, of the device used in glow-filament bulbs with a ferromagnetic transformer and 12-volt halogen bulb, which stores the brightness level before being turned off when the supply is cut out. | | |
| 35.125.2801 | 230 V. (50-60 Hz) 100 W-1000 W. | 2.090,00 | 34,60 |
| 35.125.2802 | 230 V. (50-60 Hz) 300 W-2500 W. | 2.660,00 | 34,60 |
| 35.125.2803 | 230 V. (50-60 Hz) 300 W-5000 W. | 3.180,00 | 34,60 |
| **35.125.3000** | **Remote controlled impulse current switch and its installation (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation in the designated location, establishment of connections, and delivery, including any material and labor, of an impulse current switch in IP 20 degree of protection and bearing TS EN 60669-2-2 and CE markings, which shall be capable of turning on and off a lamp or a group of lamps connected in parallel to each other from two or more locations (switching by a light the location of the contacts at each impulse of the current that reaches it), being equipped with an auxiliary switch block where necessary, being controlled “manually” on the unit, performing by optional modules the functions of central control, switching based on time and status monitoring in addition to local controls, operating at an operation temperature of -10 to +40°C, which shall be equipped with an indicator indicates the status of the contacts, capable of switching on and off minimum 50,000 times on load, and available for installation on a standard 35-mm DIN rail. Unit: The number of relays shall be taken. | | |
| 35.125.3001 | 1 NA 16 A with 1 contact - Controller voltage: 230 V. | 191,00 | 38,30 |
| 35.125.3002 | 2 NA 16 A with 2 contacts - Controller voltage: 230 V. | 373,00 | 38,30 |
| 35.125.3003 | 3 NA 16 A with 3 contacts - Controller voltage: 230 V. | 693,00 | 38,30 |
| 35.125.3004 | 4 NA 16 A with 4 contacts - Controller voltage: 230 V. | 709,00 | 38,30 |
| 35.125.3005 | 2 A/K 16 A with 2 contacts - Controller voltage: 230 V. | 375,00 | 38,30 |
| 35.125.3050 | **Side-switching auxiliary switch block for central control (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation, and delivery in working order, including any material and labor, of an auxiliary contact group installed adjacent to the impulse current switch to control the impulse current switch remotely, which is available for installation on a 35-mm steel rail, and affixed with a TS EN 60947-4-3/A1 and CE Compliance Mark. (The switch to be installed at the center shall be paid separately per the relevant item.) | 277,00 | 38,30 |
| **35.130.0000** | **COMPENSATION SYSTEM:** | | |
| **35.130.1000** | **COMPENSATION BATTERIES: (Materials on construction site: 60%)** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Supply of the required capacitors or capacitor batteries with terminals protected against touch and resistant to discharge for regulation of power coefficient (Cos Ø) for energy economy and avoid excessive excitation currents, and delivery in working order, including any material and labor, after the functioning of the item is tested by the inspection authority with a 40-Watt serially connected lamp. Compliance is required with the Regulation on Amendment of Energy Market Customer Services published in the Official Gazette No. 26558 dated 20.June.2007. | | |
| **35.130.1100** | **Central compensation batteries with automatic control: (Unit: k. VAR) (Max. 30 kVAR)**<br><br>Supply, installation, and delivery in working order, of capacitors, the contactors that they will enable and disable as well as the circuit breakers of the circuits, control circuit fuses, cam switches that control contactors, and the 3-phase compensation battery including the current transformer required for the relay (not including the price of the reactive power control relay, molded-case circuit breaker, and panel.) The power value in kVAR of the capacitor on the selected voltage value shall be considered as the unit.) | | |
| 35.130.1101 | Max. 400 V | 295,00 | 34,10 |
| 35.130.1102 | Max. 450 V | 334,00 | 34,10 |
| **35.130.1150** | **Additional central compensation batteries with automatic control: (in compliance with TS EN 60255-1) (Unit: kVAR)**<br>Where compensation batteries are rated higher than 30 kVAR, for each kVAR exceeding 30 kVAR in addition to the item 35.130.1100: | | |
| 35.130.1151 | Max. 400 V | 83,00 | 11,50 |
| 35.130.1152 | Max. 450 V | 99,00 | 11,50 |
| **35.130.1200** | **Central compensation batteries with automatic control with harmonic filter: (Unit: k. VAR) (Max. 30 kVAR)**<br>Supply, installation, and delivery in working order, of harmonic filter reactors and capacitors in compliance with the standards TS EN61558-2-20 or IEC 61000-2-2 depending on the project, the contactors that they will enable and disable as well as the circuit breakers of the circuits, control circuit fuses, cam switches that control contactors, and the 3-phase compensation battery including the current transformer required for the relay (not including the price of the reactive power control relay, molded-case circuit breaker, and panel.) The power value in kVAR of the capacitor on the selected voltage value shall be considered as the unit.) | | |
| 35.130.1201 | Max. 450 V | 498,00 | 36,40 |
| 35.130.1202 | Max. 525 V | 474,00 | 36,40 |
| **35.130.1250** | **Extra compensation batteries with automatic control with harmonic filter (in compliance with TS EN 60255-1) (Unit: kVAR)**<br>Where compensation batteries are rated higher than 30 kVAR, for each kVAR exceeding 30 kVAR in addition to the item 35.130.1200: | | |
| 35.130.1251 | Max. 450 V | 241,00 | 13,70 |
| 35.130.1252 | Max. 525 V | 213,00 | 13,70 |
| **35.130.1300** | **Central compensation batteries with automatic control, harmonic filter and semiconductor switching: (Unit: kVAR) (Max. 30 kVAR)**<br>Compensation batteries which use a switching component manufactured with semiconductor technology instead of contactor for enabling and disabling the groups of compensation and harmonic filter, and for which other specifications are identical with item 35.130.1200. The power value in kVAR of the capacitor on the selected voltage value shall be considered as the unit.) | | |
| 35.130.1301 | Max. 450 V | 764,00 | 44,40 |
| 35.130.1302 | Max. 525 V | 739,00 | 44,40 |
| **35.130.1350** | **Extra compensation batteries with automatic control, harmonic filter and semiconductor switching (in compliance with TS EN 60255-1) (Unit: kVAR)**<br>Where compensation batteries are rated higher than 30 kVAR, for each kVAR exceeding 30 kVAR in addition to the item 35.130.1300: | | |
| 35.130.1351 | Max. 450 V | 302,00 | 16,00 |
| 35.130.1352 | Max. 525 V | 263,00 | 16,00 |
| **35.130.2000** | **RELAYS (Unit: Qty.)**<br>In compliance with the standards IEC6100 - 6 -2, IEC 61000 – 6 - 4, IEC 61010 -1, and TS EN 60255-1 | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.130.2100** | **SINGLE-PHASE REACTIVE POWER CONTROL RELAYS: (Unit: Qty.)**<br><br>Supply, installation as per the relevant project design, and delivery, including any material and labor, of the device sized for installation in the panel, with a current transformer and 220V AC supply, which is capable of measuring automatic C/k values. | | |
| 35.130.2101 | Min. 5-stage | 2.070,00 | 119,00 |
| 35.130.2102 | Min. 8-stage | 2.150,00 | 119,00 |
| 35.130.2103 | Min. 12 steps | 2.440,00 | 156,00 |
| **35.130.2200** | **SINGLE-PHASE REACTIVE POWER CONTROL RELAYS: (Unit: Qty.)**<br>Reactive power relays are devices that attempt to regulate the power coefficient, which is the ratio of Active Power (W) to the Apparent Power (VA), to the power coefficient set by the user, by controlling the reactive power of the compensation component. The reactive power control relay with Computer Communication, 3 Current Transformers, 3 x 380 V AC Supply, which simultaneously displays minimum three electrical values automatically shall measure the powers of the capacitors in the compensation system that it is connected to. It can protect the system by deactivating it with a warning so that the problems with current and voltage connections can be resolved, and it selects and concurrently activates or deactivates the required capacitor steps. Detects faulty capacitors. Installation and delivery in working order, including any material and labor and per the relevant project, of the devices which are capable of issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (PC) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), Harmonics, Active Energy (kWh), Inductive Reactive - Capacitive Reactive Energy (kVARh) drawn by the system | | |
| 35.130.2201 | Min. 12 steps | 2.590,00 | 232,00 |
| 35.130.2202 | Min. 18 steps | 3.320,00 | 254,00 |
| 35.130.2203 | Min. 12-stage (MODBUS, RTU, Computer Communication) | 2.760,00 | 310,00 |
| 35.130.2204 | Min. 18-stage (MODBUS, RTU, Computer Communication) | 3.450,00 | 310,00 |
| **35.130.2300** | **SINGLE-PHASE REACTIVE POWER CONTROL RELAYS: (Unit: Qty.)**<br>Supply to the work site, installation per the relevant project, and delivery in working order, including any material and labor, of the devices sized for installation in the enclosure, which are capable of activating the power of each single-phase shunt reactor at an adjustable value, automatically measuring the values of the capacitors in the compensation system that they are connected to, issuing alerts for troubleshooting for the current and voltage connections and disabling the system to protect it, selecting to enable or disable the capacitor steps required depending on the load, detecting failed capacitors, issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (cosØ) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), total Harmonics, Active Energy (kWh), Inductive - Reactive - Capacitive Energy (kVARh) drawn by the system, in case of compensation failures by means of a reactive power control relay with three Current Transformers, 3x380 V AC Supply and 12 step, and a semiconductor driver connected in addition to the steps. | | |
| 35.130.2301 | Min. 12 steps | 3.050,00 | 301,00 |
| 35.130.2302 | Min. 18 steps | 3.520,00 | 301,00 |
| 35.130.2500 | **Discharge Unit: (Unit: Qty.)**<br>Supply to the work site, installation as per the relevant project design, and delivery, including any material and labor and in working condition, of the device that discharges the capacitors used in compensation systems in a shorter time, prolongs the life of capacitors and contactors, and enables fast compensation. | 311,00 | 23,60 |
| **35.130.2600** | **Inductive Load Driver (Unit: Qty.)**<br>Supply to the work site, installation as per the relevant project design, and delivery in working order, including any material and labor, of the devices that activate single-phase shunt reactors by triggering their phase angles at different values by semi-conductor switching components within them, allow connection of 3 x 230V single-phase shunt reactors, and are capable of driving inductive loads with minimum 1000-step phase angle control. | | |
| 35.130.2601 | Max. 5 kVAR (3x8A) | 1.960,00 | 78,00 |
| 35.130.2602 | Max. 10 kVAR (3x16A) | 2.520,00 | 78,00 |
| 35.130.2603 | Max. 30 kVAR (3x50A) | 4.010,00 | 88,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.130.2700** | **Shunt Reactor (Unit: Qty.)**<br>Supply to the work site, installation per the relevant project design, and delivery, including any material and labor, of a shunt reactor with 3-kV insulation and minimum 120°C thermal protection, and operating at 50 Hz frequency, which complies with 61558-2-20 and TS EN 60076-6 standards and has a nominal voltage of 230V AC - 1000V AC. | | |
| 35.130.2701 | Max. 230 V, 1 kVAR | 1.060,00 | 44,20 |
| 35.130.2702 | Max. 230 V, 1.5 kVAR | 1.360,00 | 55,50 |
| 35.130.2703 | Max. 230 V, 3 kVAR | 2.300,00 | 72,50 |
| 35.130.2704 | Max. 230 V, 5 kVAR | 3.530,00 | 88,50 |
| 35.130.2705 | Max. 230 V, 7.5 kVAR | 4.780,00 | 101,00 |
| 35.130.2706 | Max. 230 V, 10 kVAR | 5.490,00 | 112,00 |
| 35.130.2750 | Max. 400 V, 0.5 kVAR | 1.320,00 | 44,20 |
| 35.130.2751 | Max. 400 V, 1 kVAR | 1.620,00 | 55,50 |
| 35.130.2752 | Max. 400 V, 1.5 kVAR | 1.910,00 | 67,00 |
| 35.130.2753 | Max. 400 V, 2.5 kVAR | 2.920,00 | 95,00 |
| 35.130.2754 | Max. 400 V, 5 kVAR | 4.710,00 | 112,00 |
| 35.130.2755 | Max. 400 V, 10 kVAR | 7.630,00 | 134,00 |
| 35.130.2756 | Max. 400 V, 15 kVAR | 10.020,00 | 167,00 |
| 35.130.2757 | Max. 400 V, 20 kVAR | 12.580,00 | 202,00 |
| 35.130.2758 | Max. 400 V, 25 kVAR | 14.740,00 | 267,00 |
| 35.130.2759 | Max. 400 V, 50 kVAR | 27.790,00 | 333,00 |
| **35.130.2800** | **Communication Terminals: (Unit: Qty.)**<br>Supply to the work site, installation as per the relevant project design, and delivery in working order, including any material and labor, of the devices that can communicate on RS-485, RS232, optical ports or any protocol that may be developed, or with electricity meters or any other device that supports the TS EN 62056-21 protocol. | | |
| 35.130.2801 | Ethernet Communication Terminal | 1.970,00 | 97,50 |
| 35.130.2802 | GPRS Communication Terminal | 1.710,00 | 97,50 |
| **35.135.0000** | **METERING INSTRUMENTS: (Materials on construction site: 60%).**<br>To be in compliance with (2014/32/EU) Measuring Instruments Directive. It shall be possible to embed metering instruments on the panel, and alternative current metering instruments shall be in compliance with 50-Hz frequency. Its accuracy class shall be according to Turkish standards (1.5). | | |
| **35.135.1100** | **Voltmeters: (Unit: Qty.) (in compliance with TS 5588 EN 60051-1)**<br>Supply and installation of voltmeters with a minimum size of 72x72 mm. | | |
| 35.135.1101 | 0 to 60 V | 139,00 | 18,60 |
| 35.135.1102 | 0 to 500 V | 144,00 | 18,60 |
| **35.135.1200** | **Digital Voltmeters: (Unit: Qty.)**<br>Supply to the work site, installation as per the relevant project, and delivery, including any material and labor, of an electronic voltmeter with a minimum size of 72x72 mm, which is in compliance with TS EN 61010-1, connected to electric panels, recording min. and max. values, capable of accurately measuring AC voltage of phases, and suitable for enclosure installation. | | |
| 35.135.1201 | 10 - 300 V AC (L-N), 10-500 V AC (L-L) | 343,00 | 40,10 |
| **35.135.1300** | **Ammeters: (Unit: Qty.) (in compliance with TS 5588 EN 60051-1)**<br>Supply and installation in its designated location of an ammeter. A current transformer shall be used for higher types than 100 a. The current transformer shall be paid separately. | | |
| 35.135.1301 | Up to 0 - 25 A | 184,00 | 17,90 |
| 35.135.1302 | Up to 25 - 100 A | 200,00 | 17,90 |
| 35.135.1303 | Up to 100 - 2,000 A | 200,00 | 17,90 |
| **35.135.1400** | **Digital Ammeter: (Unit: Qty.)**<br>Supply to the work site, installation as per the relevant project, and delivery, including any material and labor, of a digital ammeter with a minimum size of 72x72 mm, which is in compliance with TS EN 61010-1, capable of accurately measurin | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | AC current of phases, working with a current transformer, recording demand and max. demand values, and suitable for enclosure installation. The current transformer shall be paid separately. | | |
| 35.135.1401 | 1-10000/5A current transformer | 481,00 | 40,10 |
| **35.135.1500** | **Voltmeter Commutators: (Unit: Qty.) (TS 4915 EN 60669-1)** | | |
| 35.135.1501 | 3 positions | 73,50 | 18,60 |
| 35.135.1502 | 4 positions | 85,00 | 18,60 |
| 35.135.1503 | 5 or more positions | 101,00 | 18,60 |
| **35.135.1700** | **Multimeters: (Unit: Qty.)**<br>Supply to the work site, installation per the relevant project, and delivery in working order, including any material and labor, of the electronic device which is in compliance with TS EN 61000-2-6, TS EN 61000-6-4, TS EN 61010-1 and TS IEC 61554, connected to electric panels, capable of measuring multiple parameters, and compatible with the panel installation. | | |
| 35.135.1701 | **Multimeter:(in compliance with TS IEC 61554)**<br>Supply to the work site, installation as per the relevant project, and delivery, including any material and labor, of a Multimeter that can measure 3-phase current (A) and 3-phase voltage (V). | 812,00 | 82,00 |
| 35.135.1702 | **Multimeter:(in compliance with TS IEC 61554)**<br>Supply to the work site, installation as per the relevant project design, and delivery, including any material and labor, of a device that can be used with 3-phase current (A), 3-phase voltage, Cosφ and Frequency (Hz) PN), 2-phase and single-phase AC systems. | 812,00 | 82,00 |
| **35.135.1900** | **Metering Current Transformer: (1kV 5-10 VA, Cl: 0.5 -1) (Unit: Qty.) (TS- 620 EN 60044-1)**<br>Supply and installation of a class 0.5 - 1 metering current transformer with 5-10-VA power, of busbar or non-busbar type, and of the same quality as the metering instruments to be used. | | |
| 35.135.1901 | 100 - 500/5 A | 240,00 | 18,90 |
| 35.135.1902 | 501 - 2,000/5 A | 405,00 | 18,90 |
| 35.135.1903 | 2,001 - 6,000/5 A Cl:1, 10 VA. | 676,00 | 35,50 |
| **35.135.2000** | **Frequency meter: (Unit: Qty.)**<br>Supply and installation of a frequency meter in compliance with the standards (TS 5592 EN 60051-4), (TS 5558 EN 60051-1), (TS IEC 61554), which has a range of 45 Hz to 55 Hz with 1/2-Hz increments. | | |
| 35.135.2001 | **Gauge type:**<br>Supply and installation of a frequency meter that shows the frequency by indicating the number on which the gauge stops | 271,00 | 19,20 |
| 35.135.2002 | **Vibration reed type:**<br>Supply and installation of a frequency meter that shows the frequency by indicating the number on which the fin vibrates the most. | 353,00 | 19,20 |
| 35.135.2003 | **Digital type:**<br>Supply and installation of digital frequency meter with a reading range of 20.0 - 99.9 Hz at 0.1 Hz increments. | 398,00 | 19,20 |
| **35.135.2500** | **Energy analyzers and circuit components (unit: qty.) (in compliance with TS IEC 61554)**<br>Delivery, including any material and labor, of the devices that can be used in 3-phase (3P, 3PN), 2-phase and single-phase AC systems with a communication module, alarm module, and optional input and output modules, and in compliance with TS EN 61010, which shall be in modular structure that is capable of displaying on its backlit LCD the instantaneous, average and maximum current and power values, voltage, frequency in the range of 45 to 65 Hz, power coefficient and the total harmonic distortion, and RMS values up to the 21st harmonic which should be monitored in an electrical system, and which is capable of displaying five readings simultaneously. | | |
| 35.135.2501 | Energy analyzer | 2.740,00 | 327,00 |
| 35.135.2502 | Modbus module | 800,00 | 79,50 |
| 35.135.2503 | Pulse module (digital output) | 426,00 | 54,00 |
| 35.135.2504 | Alarm module | 488,00 | 75,00 |
| 35.135.2505 | Two analog output modules | 742,00 | 54,00 |
| 35.135.2506 | Two digital output modules | 405,00 | 54,00 |
| 35.135.2600 | **COS Ø METER: (Unit: Qty.)**<br>Supply and installation at its designated location of Cos Ø meters that are in compliance with TS EN 62058-31,TS EN 62058-11 and TS EN 62053-11 standards, with 0.5 inductive and 0.5 | 401,00 | 19,90 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | capacitive Cos Ø values. The current transformer shall not be charged. | | |
| **35.135.3000** | **METERS:** | | |
| **35.135.3100** | **Single-Phase, Hour-Tariff Electronic Meters: (Unit: Qty.; Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, single-phase, two-wire electronic active energy meter with time of use tariff and its base, which shall be in compliance with the standards, TS EN 62053-21 and TS EN 62052-11 as well as Directive 2014/32/EU on Metering Instruments, awarded a brand registration certificate by the Ministry of Industry and Technology, capable of metering in maximum two accuracy classes of 10 A to 60 A and 20 A to 120 A, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter as per the TS EN 62056-21 standard and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN 60529 standard). | | |
| 35.135.3101 | Up to 10 (60 ) A | 255,00 | 48,70 |
| 35.135.3102 | Up to 20 (120 ) A | 279,00 | 48,70 |
| **35.135.3200** | **3-Phase, Time of Use Tariff Electronic Energy Meters: (Unit: Qty.; Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, 3-phase, four-wire electronic active meter with backlit digital display with six integer and two decimal places, a real-time clock of 100 years on the circuit of the meter, and time of use tariff and its base, which shall be in compliance with the standards TS EN 62053-21 and TS EN 62052-11 as well as Directive (2014/32/EU) on Metering Instruments, awarded a brand registration certificate by the Ministry of Science, Industry and Technology, capable of metering in maximum two accuracy classes in its designated current and voltage ranges, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter as per the TS EN 62056-21 standard and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN 60529). | | |
| 35.135.3201 | 3 x 230 / 400V, 3 x 10 (60)A | 475,00 | 56,00 |
| 35.135.3202 | 3 x 230 / 400V, 3 x 20 (120)A | 494,00 | 56,00 |
| **35.135.3300** | **3-Phase, Hour-Tariff Electronic (Active-Reactive) Meters: (Unit: Qty.; Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, 3-phase, four-wire Active-Reactive meter with minimum 5 (7.5) A input current backlit digital display with six integer and two decimal places, and its base, which shall be in compliance with the standards TS EN 62053-21/23 and TS EN 62052-11 as well as Directive 2014/32/EU on Metering Instruments, awarded a brand registration certificate by the Ministry of Science, Industry and Technology, capable of measuring capacitive and inductive readings individually during reactive metering, metering in maximum two accuracy classes in its designated current and voltage ranges, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter by means of an optical port as per the TS EN 62056-21 standard (EDIS and OBIS code systems shall be used for data exchange as per the standards, however the terms on the meter's display shall be easy to understand) and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN 60529). | | |
| 35.135.3301 | 3 x 230 / 400 V ..3 x 5 ( 7.5 ) A | 1.390,00 | 75,50 |
| 35.135.3302 | 3 x 58 / 100 V, 3 x 5 ( 7.5 ) A | 1.440,00 | 75,50 |
| **35.140.0000** | **CABLES:** | | |
| **35.140.1000** | **MAIN AND SUBSIDIARY PANEL EARTH LINES: (Materials on construction site: 60%)** | | |
| **35.140.1100** | **Including any material and labor for installation in the same pipe as the principal feeder line in the installation with PVC pipes, (Unit: m)** | | |
| 35.140.1101 | 4 mm² Bare stranded or solid copper wire | 13,00 | 3,65 |
| 35.140.1102 | 6 mm² Bare stranded or solid copper wire | 16,80 | 3,65 |
| 35.140.1103 | 10 mm² Bare stranded or solid copper wire | 22,80 | 3,65 |
| 35.140.1104 | 16 mm² Bare stranded or solid copper wire | 26,20 | 3,65 |
| 35.140.1105 | 25 mm² Bare stranded or solid copper wire | 38,30 | 3,65 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.140.1200** | **Including supply of any material and labor for installation in the same pipe as the principal column lines through the steel pipe, gas pipe or galvanized pipe. (Unit: m)** | | |
| 35.140.1201 | 8 mm, 4 mm² Bare stranded or solid copper wire | 14,60 | 3,65 |
| 35.140.1202 | 20 mm, 6 mm² Bare stranded or solid copper wire | 17,80 | 3,65 |
| 35.140.1203 | 25 mm, 10 mm² Bare stranded or solid copper wire | 22,80 | 3,65 |
| 35.140.1204 | 25 mm, 16 mm² Bare stranded or solid copper wire | 26,20 | 3,65 |
| 35.140.1205 | 32 mm, 25 mm² Bare stranded or solid copper wire | 38,30 | 3,65 |
| 35.140.1206 | 32 mm, 35 mm² Bare stranded or solid copper wire | 56,50 | 4,10 |
| 35.140.1207 | 40 mm, 50 mm² Bare stranded or solid copper wire | 81,00 | 4,10 |
| 35.140.1208 | 40 mm, 70 mm² Bare stranded or solid copper wire | 112,00 | 4,10 |
| **35.140.1300** | **A free console with earth lines installed on cable clips, including the supply of any material and labor. (Unit: m)** | | |
| 35.140.1301 | 4 mm² Bare stranded or solid copper wire | 13,80 | 7,50 |
| 35.140.1302 | 6 mm² Bare stranded or solid copper wire | 18,30 | 7,50 |
| 35.140.1303 | 10 mm² Bare stranded or solid copper wire | 20,70 | 7,50 |
| 35.140.1304 | 16 mm² Bare stranded or solid copper wire | 34,10 | 7,50 |
| 35.140.1305 | 25 mm² Bare stranded or solid copper wire | 44,50 | 9,30 |
| 35.140.1306 | 35 mm² Bare stranded or solid copper wire | 62,00 | 9,30 |
| 35.140.1307 | 50 mm² Bare stranded or solid copper wire | 87,50 | 9,30 |
| 35.140.1308 | 70 mm² Bare stranded or solid copper wire | 119,00 | 9,30 |
| **35.140.2000** | **MAIN LINE AND SUPPLY LINES**<br>Installation of a column or supply line with the phase and neutral conductors being plastic-insulated as per the lists in the Regulation on Internal Electrical Installations, and supply of any materials (including pipes, cable clips, junction sleeves, brackets, terminal blocks, iron consoles, paint, and labor). | | |
| **35.140.2100** | **Installation of a NV (NYA) conductor as well as column and supply lines in PVC pipe: (Unit: m.)**<br>Installation of a NV (NYA) conductor as well as column and supply lines in a PVC pipe as per TS EN 50525-1, TS EN 50525-2-31, TS 9756 HD 21.1 S4, TS 9758 HD 21.3 S3, TS 9760 HD 21.5 S3, TS IEC 227-6 and TS HD 21.13 S1<br>Unit: The length of the pipe including the junction box, brackets and cable clips is the length of the supply line. No extra charge shall apply for junction boxes, brackets, sleeves and cable clips. An intermediate junction box shall be installed at least per 10 m. for the lines longer than 10 m. The immediately higher rate shall apply to intermediate items<br>Note: The cables shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.2101 | 2 x 0.50 mm² P.14 | 13,80 | 8,65 |
| 35.140.2102 | 2 x 0.75 mm² P.14 | 15,50 | 8,65 |
| 35.140.2103 | 2 x 1 mm² P.14 | 15,90 | 8,65 |
| 35.140.2104 | 2 x 1.5 mm² P.14 | 18,80 | 8,65 |
| 35.140.2105 | 2 x 2.5 mm² P.14 | 24,80 | 8,65 |
| 35.140.2106 | 2 x 4 mm² P.18 | 34,20 | 8,65 |
| 35.140.2107 | 2 x 6 mm² P.18 | 46,60 | 8,65 |
| 35.140.2108 | 2 x 10 mm² P.26 | 77,00 | 9,70 |
| 35.140.2109 | 2 x 16 mm² P.26 | 116,00 | 9,70 |
| 35.140.2110 | 2 x 25 mm² P.37 | 178,00 | 9,70 |
| 35.140.2111 | 2 x 35 mm² P.37 | 225,00 | 9,70 |
| 35.140.2112 | 2 x 50 mm² P.37 | 325,00 | 9,70 |
| 35.140.2130 | 3 x 1.5 mm² P.14 | 24,00 | 8,65 |
| 35.140.2131 | 3 x 2.5 mm² P.18 | 32,70 | 8,65 |
| 35.140.2132 | 3 x 4 mm² P.18 | 45,70 | 8,65 |
| 35.140.2133 | 3 x 6 mm² P.26 | 65,00 | 9,70 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.140.2134 | 3 x 10 mm² P.26 | 109,00 | 9,70 |
| 35.140.2135 | 3 x 16 mm² P.37 | 163,00 | 9,70 |
| 35.140.2136 | 3 x 25 mm² P.37 | 258,00 | 9,70 |
| 35.140.2137 | 3 x 35 mm² P.37 | 335,00 | 9,70 |
| 35.140.2138 | 3 x 25 + 16 mm² P.37 | 302,00 | 13,20 |
| 35.140.2160 | 4 x 1.5 mm² P.26 | 30,90 | 12,40 |
| 35.140.2161 | 4 x 2.5 mm² P.18 | 41,10 | 12,40 |
| 35.140.2162 | 4 x 4 mm² P.26 | 59,00 | 12,40 |
| 35.140.2163 | 4 x 6 mm² P.26 | 81,00 | 13,20 |
| 35.140.2164 | 4 x 10 mm² P.37 | 127,00 | 13,20 |
| 35.140.2165 | 4 x 16 mm² P.37 | 197,00 | 13,20 |
| 35.140.2190 | 5 x 1.5 mm² P.18 | 35,80 | 12,40 |
| 35.140.2191 | 5x 2.5 mm² P.18 | 45,00 | 12,40 |
| 35.140.2200 | 6 x 1.5 mm² P.18 | 40,00 | 12,40 |
| 35.140.2201 | 6 x 2.5 mm² P.18 | 53,50 | 12,40 |
| **35.140.2300** | **Installation of a supply line using NV (NYA) conductors within galvanized or internally and externally coated, threaded steel pipes (TS-9). (Unit: m)**<br>Installation of a NV (NYA) conductor as well as supply lines as per TS EN 50525-1, TS EN 50525-2-31, TS 9756 HD 21.1 S4, TS 9758 HD 21.3 S3, TS 9760 HD 21.5 S3, TS IEC 227-6 and TS HD 21.13 S1<br>Unit: As in the item no. 35.140.2100.<br>Note: The cables shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.2301 | 2 x 2.5 mm² ( 1/2″) Ø15 mm | 49,40 | 22,50 |
| 35.140.2302 | 2 x 4 mm² (5/8″) Ø18 mm | 66,00 | 22,50 |
| 35.140.2303 | 2 x 6 mm² (3/4″) Ø20 mm | 88,50 | 22,50 |
| 35.140.2304 | 2 x 10 mm² (3/4″) Ø20 mm | 140,00 | 22,50 |
| 35.140.2305 | 2 x 16 mm² (1 ″) Ø25 mm | 204,00 | 22,50 |
| 35.140.2306 | 2 x 25 mm² (1¼″) Ø32 mm | 303,00 | 27,60 |
| 35.140.2307 | 2 x 35 mm² (1¼″) Ø32 mm | 408,00 | 27,60 |
| 35.140.2308 | 2 x 50 mm² (1½″) Ø40 mm | 542,00 | 27,60 |
| 35.140.2309 | 2 x 70 mm² (1½″) Ø40 mm | 676,00 | 27,60 |
| 35.140.2310 | 3 x 2.5 mm² (5/8″) Ø18 mm | 68,00 | 22,50 |
| 35.140.2311 | 3 x 4 mm² (3/4″) Ø20 mm | 88,50 | 22,50 |
| 35.140.2312 | 3 x 6 mm² (1″) Ø25 mm | 123,00 | 22,50 |
| 35.140.2313 | 3 x 10 mm² (1″) Ø25 mm | 195,00 | 22,50 |
| 35.140.2314 | 3 x 16 mm² (1¼″) Ø32 mm | 283,00 | 22,50 |
| 35.140.2315 | 3 x 25 mm² (1½″) Ø40 mm | 428,00 | 27,60 |
| 35.140.2316 | 3 x 35 mm² (1½″) Ø40 mm | 580,00 | 27,60 |
| 35.140.2317 | 3 x 50 mm² (1½″) Ø40 mm | 649,00 | 33,60 |
| 35.140.2318 | 3 x 70 mm² (2″) Ø50 mm | 892,00 | 33,60 |
| 35.140.2319 | 3 x 25 + 16 mm² (1½″) Ø40 mm | 474,00 | 27,60 |
| 35.140.2320 | 3 x 35 + 16 mm² (1½″) Ø40 mm | 558,00 | 27,60 |
| 35.140.2321 | 3 x 50 + 25 mm² (2″) Ø50 mm | 783,00 | 33,60 |
| 35.140.2322 | 3 x 70 + 35 mm² (2″) Ø50 mm | 1.020,00 | 33,60 |
| 35.140.2323 | 4 x 2.5 mm² (3/4″) Ø20 mm | 78,50 | 22,50 |
| 35.140.2324 | 4 x 4 mm² (1″) Ø25 mm | 112,00 | 22,50 |
| 35.140.2325 | 4 x 6 mm² (1″) Ø25 mm | 150,00 | 22,50 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.140.2326 | 4 x 10 mm² (1″) Ø25 mm | 254,00 | 22,50 |
| 35.140.2327 | 4 x 16 mm² (1½″) Ø40 mm | 374,00 | 27,60 |
| **35.140.2400** | **NV (NYA) cable: (Unit: m)**<br>Supply, transportation to the work site and installation, including any small material and labor, of cables in compliance with TS EN 50525-1, TS EN 50395, TS EN 50525-2-31, TS 9759 HD 21.4 S2, TS EN 50525-2-71, TS IEC 60227-6, TS HD 21.8 S2 and TTS EN 50525-2-51. | | |
| 35.140.2401 | 1 x 1.5 mm² section | 6,65 | 2,50 |
| 35.140.2402 | 1 x 2.5 mm² section | 10,50 | 3,65 |
| 35.140.2403 | 1 x 4 mm² section | 14,30 | 3,65 |
| 35.140.2404 | 1 x 6 mm² section | 19,30 | 3,65 |
| 35.140.2405 | 1 x 10 mm² section | 30,50 | 3,65 |
| 35.140.2406 | 1 x 16 mm² section | 46,30 | 3,65 |
| 35.140.2407 | 1 x 25 mm² section | 72,00 | 3,65 |
| 35.140.2408 | 1 x 35 mm² section | 96,50 | 3,65 |
| 35.140.2409 | 1 x 50 mm² section | 131,00 | 3,65 |
| **35.140.2500** | **Installation of a supply line with NVV (NYM) lead-free, PVC-insulated cables (Unit: m.)**<br>Installation of a supply line using lead-free, PVC-insulated NVV (NYM) cables in compliance with TS EN 50525-1, TS 9756 HD 21.1 S4, TS 9758 HD 21.3 S3, TS 9760 HD 21.5 S3, TS IEC 227-6, TS HD 21.13 S1 (pipe not included.)<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Unit: As in the item no. 35.140.2100. | | |
| 35.140.2501 | 2 x 1.5 mm² | 18,40 | 7,50 |
| 35.140.2502 | 2 x 2.5 mm² | 25,40 | 8,75 |
| 35.140.2503 | 2 x 4 mm² | 33,30 | 8,75 |
| 35.140.2504 | 2 x 6 mm² | 44,20 | 8,75 |
| 35.140.2505 | 2 x 10 mm² | 70,50 | 8,75 |
| 35.140.2506 | 2 x 16 mm² | 105,00 | 8,75 |
| 35.140.2507 | 3 x 1.5 mm² | 23,70 | 8,75 |
| 35.140.2508 | 3 x 2.5 mm² | 32,00 | 8,75 |
| 35.140.2509 | 3 x 4 mm² | 44,10 | 8,75 |
| 35.140.2510 | 3 x 6 mm² | 61,00 | 8,75 |
| 35.140.2511 | 3 x 10 mm² | 98,00 | 8,75 |
| 35.140.2512 | 3 x 16 mm² | 148,00 | 8,75 |
| 35.140.2513 | 4 x 1.5 mm² | 29,30 | 9,70 |
| 35.140.2514 | 4 x 2.5 mm² | 40,30 | 9,70 |
| 35.140.2515 | 4 x 4 mm² | 56,50 | 9,70 |
| 35.140.2516 | 4 x 6 mm² | 78,00 | 9,70 |
| 35.140.2517 | 4 x 10 mm² | 127,00 | 9,70 |
| 35.140.2518 | 4 x 16 mm² | 191,00 | 9,70 |
| **35.140.2600** | **FVV-FVVn, NYMHY (FD) type cable: (Unit: m)**<br>Manufactured in compliance with TS EN 50525-1, TS EN 50525-2-12/22/31/42/51/71, TS 9759 HD 21.4 S2,TS HD 21.8 S2, TS HD 21.9 S2, TS EN 50525-2-21 , TS IEC 60227-6, TS EN 50395 and 2014/35/EU Low Voltage Directive (LVD), and released with a CE marking,<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union (pipe not included). | | |
| 35.140.2601 | 2 x 0.50 mm² FVV | 7,90 | 3,40 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.140.2602 | 3 x 0.50 mm² FVV | 8,45 | 3,40 |
| 35.140.2603 | 4 x 0.50 mm² FVV | 9,05 | 3,40 |
| 35.140.2604 | 2 x 0.75 mm² FVV | 10,20 | 3,40 |
| 35.140.2605 | 3 x 0.75 mm² FVV | 11,70 | 3,40 |
| 35.140.2606 | 4 x 0.75 mm² FVV | 15,40 | 3,40 |
| 35.140.2607 | 2 x 0.75 mm² FVV-n | 11,40 | 4,90 |
| 35.140.2608 | 3 x 0.75 mm² FVV-n | 13,50 | 4,90 |
| 35.140.2609 | 4 x 0.75 mm² FVV-n | 16,30 | 4,90 |
| 35.140.2610 | 5 x 0.75 mm² FVV-n | 17,90 | 4,90 |
| 35.140.2611 | 6 x 0.75 mm² FVV-n | 18,40 | 4,90 |
| 35.140.2612 | 7 x 0.75 mm² FVV-n | 19,60 | 4,90 |
| 35.140.2613 | 2 x 1 mm² FVV-n | 13,80 | 5,75 |
| 35.140.2614 | 3 x 1 mm² FVV-n | 16,90 | 5,75 |
| 35.140.2615 | 4 x 1 mm² FVV-n | 20,30 | 5,75 |
| 35.140.2616 | 5 x 1 mm² FVV-n | 23,90 | 5,75 |
| 35.140.2617 | 6 x 1 mm² FVV-n | 30,30 | 5,75 |
| 35.140.2618 | 7 x 1 mm² FVV-n | 31,50 | 5,75 |
| 35.140.2619 | 2 x 1.5 mm² FVV-n | 16,90 | 5,75 |
| 35.140.2620 | 3 x 1.5 mm² FVV-n | 21,00 | 5,75 |
| 35.140.2621 | 4 x 1.5 mm² FVV-n | 25,20 | 5,75 |
| 35.140.2622 | 5 x 1.5 mm² FVV-n | 31,60 | 5,75 |
| 35.140.2623 | 6 x 1.5 mm² FVV-n | 39,00 | 5,75 |
| 35.140.2624 | 7 x 1.5 mm² FVV-n | 42,50 | 5,75 |
| 35.140.2625 | 2 x 2.5 mm² FVV-n | 22,90 | 5,75 |
| 35.140.2626 | 3 x 2.5 mm² FVV-n | 28,90 | 5,75 |
| 35.140.2627 | 4 x 2.5 mm² FVV-n | 37,10 | 5,75 |
| 35.140.2628 | 5 x 2.5 mm² FVV-n | 46,80 | 5,75 |
| 35.140.2629 | 6 x 2.5 mm² FVV-n | 55,50 | 5,75 |
| 35.140.2630 | 7 x 2.5 mm² FVV-n | 61,50 | 5,75 |
| **35.140.3100** | **Installation of column and supply lines with 1-KV YVV (NYY) underground cables: (Unit: m)**<br>Installation of column and supply lines with 1-KV, underground YVV (NYY) cables in compliance with TS IEC 60502-1+A1 standards.<br>Supply to the workplace, including cable bushings and escape pipes, any other material and labor, of underground cables for installation on plaster, on walls and ceilings through consoles or clips, or through conduits inside the building, and through conduits outside the building.<br>Unit: The length of the cable between terminal boxes and terminal caps shall be considered. Multiple cables installed in the same conduit shall be housed in cable ducts or pipes in the diameter and length required for each cable at the locations of passage. The terminal boxes, caps, junction boxes, consoles, and conduits shall be paid separately. Steel production shall be paid as per the item 15.550.1202. No additional charge shall apply for passage ducts and pipes up to 10 meters long.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.3101 | 1 x 6 mm² | 24,10 | 6,15 |
| 35.140.3102 | 1 x 10 mm² | 35,20 | 6,15 |
| 35.140.3103 | 1 x 16 mm² | 51,50 | 6,15 |
| 35.140.3104 | 1 x 25 mm² | 77,00 | 6,15 |
| 35.140.3105 | 1 x 35 mm² | 103,00 | 6,15 |
| 35.140.3106 | 1 x 50 mm² | 139,00 | 9,70 |
| 35.140.3107 | 1 x 70 mm² | 192,00 | 9,70 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.140.3108 | 1 x 95 mm² | 263,00 | 9,70 |
| 35.140.3109 | 1 x 120 mm² | 330,00 | 9,70 |
| 35.140.3110 | 1 x 150 mm² | 402,00 | 9,70 |
| 35.140.3111 | 1 x 185 mm² | 499,00 | 9,70 |
| 35.140.3112 | 1 x 240 mm² | 658,00 | 9,70 |
| 35.140.3130 | 2 x 1.5 mm² | 20,20 | 8,15 |
| 35.140.3131 | 2 x 2.5 mm² | 25,70 | 8,15 |
| 35.140.3132 | 2 x 4 mm² | 35,00 | 8,15 |
| 35.140.3133 | 2 x 6 mm² | 46,10 | 8,15 |
| 35.140.3134 | 2 x 10 mm² | 70,00 | 8,15 |
| 35.140.3135 | 2 x 16 mm² | 103,00 | 8,15 |
| 35.140.3136 | 2 x 25 mm² | 157,00 | 8,15 |
| 35.140.3160 | 3 x 1.5 mm² | 24,50 | 8,15 |
| 35.140.3161 | 3 x 2.5 mm² | 32,50 | 8,15 |
| 35.140.3162 | 3 x 4 mm² | 45,80 | 8,15 |
| 35.140.3163 | 3 x 6 mm² | 62,50 | 8,15 |
| 35.140.3164 | 3 x 10 mm² | 97,00 | 8,15 |
| 35.140.3165 | 3 x 16 mm² | 147,00 | 8,15 |
| 35.140.3166 | 3 x 25 mm² | 225,00 | 8,15 |
| 35.140.3190 | 3 x 25 + 16 mm² | 273,00 | 15,50 |
| 35.140.3191 | 3 x 35 + 16 mm² | 349,00 | 15,50 |
| 35.140.3192 | 3 x 50 + 25 mm² | 487,00 | 21,90 |
| 35.140.3193 | 3 x 70 + 35 mm² | 678,00 | 25,70 |
| 35.140.3194 | 3 x 95 + 50 mm² | 928,00 | 27,90 |
| 35.140.3195 | 3 x 120 + 70 mm² | 1.200,00 | 30,70 |
| 35.140.3196 | 3 x 150 + 70 mm² | 1.430,00 | 30,70 |
| 35.140.3197 | 3 x 185 + 95 mm² | 1.790,00 | 33,10 |
| 35.140.3198 | 3 x 240 + 120 mm² | 2.330,00 | 25,80 |
| 35.140.3220 | 4 x 1.5 mm² | 29,10 | 8,30 |
| 35.140.3221 | 4 x 2.5 mm² | 39,70 | 8,30 |
| 35.140.3222 | 4 x 4 mm² | 58,50 | 9,20 |
| 35.140.3223 | 4 x 6 mm² | 80,00 | 9,20 |
| 35.140.3224 | 4 x 10 mm² | 127,00 | 9,20 |
| 35.140.3225 | 4 x 16 mm² | 192,00 | 10,10 |
| 35.140.3226 | 4 x 25 mm² | 328,00 | 36,60 |
| 35.140.3227 | 4 x 35 mm² | 432,00 | 37,70 |
| 35.140.3228 | 4 x 50 mm² | 565,00 | 38,30 |
| 35.140.3229 | 4 x 70 mm² | 788,00 | 39,40 |
| 35.140.3230 | 4 x 95 mm² | 1.080,00 | 39,80 |
| 35.140.3231 | 4 x 120 mm² | 1.360,00 | 41,50 |
| 35.140.3232 | 4 x 150 mm² | 1.660,00 | 42,60 |
| 35.140.3233 | 4 x 185 mm² | 2.060,00 | 44,20 |
| 35.140.3234 | 4 x 240 mm² | 2.710,00 | 45,90 |
| 35.140.3250 | 5 x 1.5 mm² | 34,20 | 8,30 |
| 35.140.3251 | 5 x2.5 mm² | 48,60 | 9,20 |
| 35.140.3260 | 10 x 1.5 mm² | 60,00 | 9,20 |
| 35.140.3261 | 12 x 1.5 mm² | 72,00 | 9,20 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.140.3262 | 14 x 1.5 mm² | 77,50 | 9,20 |
| 35.140.3263 | 19 x 1.5 mm² | 101,00 | 9,20 |
| 35.140.3264 | 21 x 1.5 mm² | 103,00 | 9,20 |
| 35.140.3265 | 24 x 1.5 mm² | 124,00 | 9,20 |
| 35.140.3266 | 30 x 1.5 mm² | 152,00 | 9,20 |
| **35.140.3400** | **Installation of column and supply lines with Y2-type 1-kV YVMY (NYCY) underground cables: (Unit: m)**<br>Installation of column and supply lines with 1-KV underground cables in compliance with TS EN 60502-1+A1, YVMY (NYCY) Y 2.<br>Same as the Unit Price No. 35.140.3100 except that the item shall be used with YVMY (NYCY) cables (the concentric conductor shall be used as a neutral conductor)<br>Unit: Same as the item no. 35.140.3100.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.3401 | 3 x 6 mm² | 90,50 | 8,30 |
| 35.140.3402 | 3 x 10 mm² | 140,00 | 8,30 |
| 35.140.3403 | 3 x 16 mm² | 211,00 | 8,30 |
| 35.140.3404 | 3 x 25 + 16 mm² | 302,00 | 15,60 |
| 35.140.3405 | 3 x 35 + 16 mm² | 385,00 | 15,60 |
| 35.140.3406 | 3 x 50 + 25 mm² | 531,00 | 22,00 |
| 35.140.3407 | 3 x 70 + 35 mm² | 749,00 | 25,70 |
| 35.140.3408 | 3 x 95 + 50 mm² | 1.040,00 | 28,40 |
| 35.140.3409 | 3 x 120 + 70 mm² | 1.320,00 | 28,40 |
| 35.140.3410 | 3 x 150 + 70 mm² | 1.560,00 | 31,20 |
| 35.140.3411 | 3 x 185 + 95 mm² | 1.970,00 | 34,90 |
| 35.140.3412 | 3 x 240 + 120 mm² | 2.560,00 | 38,50 |
| 35.140.3430 | 4 x 1.5 mm² | 40,80 | 8,30 |
| 35.140.3431 | 4 x 2.5 mm² | 55,00 | 8,30 |
| 35.140.3432 | 4 x 4 mm² | 79,50 | 8,30 |
| 35.140.3433 | 4 x 6 mm² | 109,00 | 9,70 |
| 35.140.3434 | 4 x 10 mm² | 172,00 | 9,70 |
| 35.140.3435 | 4 x 16 mm² | 263,00 | 12,90 |
| **35.140.3500** | **Installation of column and supply lines with 1-KV underground cables in compliance with YVOV (NYRY): YVŞÇV (NYFGBY) (Unit: m)**<br>Installation of a YVOV (NYRY): YVŞÇV (NYFGBY) supply line in compliance with TS IEC 60502-1+A1.<br>Unit: Same as the item no. 35.140.3100.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.3501 | 3x2.5 /6 mm² | 49,50 | 8,30 |
| 35.140.3502 | 3x4 /6 mm² | 72,00 | 8,30 |
| 35.140.3503 | 3x6 /6 mm² | 90,00 | 8,30 |
| 35.140.3504 | 3x 10 /6 mm² | 133,00 | 8,30 |
| 35.140.3530 | 4x1.5 /6 mm² | 45,80 | 8,30 |
| 35.140.3531 | 4 x 2.5 /6 mm² | 58,50 | 8,30 |
| 35.140.3532 | 4x4 /6 mm² | 86,00 | 8,30 |
| 35.140.3533 | 4x6 /6 mm² | 111,00 | 9,70 |
| 35.140.3534 | 4x10 /10 mm² | 161,00 | 9,70 |
| 35.140.3535 | 4x16 /16 mm² | 245,00 | 9,70 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.140.3606 | 3x25 + 16/16 mm² | 325,00 | 15,60 |
| 35.140.3607 | 3x35 + 16/16 mm² | 407,00 | 15,60 |
| 35.140.3608 | 3x50 + 25/16 mm² | 555,00 | 22,00 |
| 35.140.3609 | 3x70 + 35/16 mm² | 780,00 | 25,70 |
| 35.140.3610 | 3x95 + 50/25 mm² | 1.060,00 | 28,40 |
| 35.140.3611 | 3x120 + 70/35 mm² | 1.340,00 | 28,40 |
| 35.140.3612 | 3x150 + 70/35 mm² | 1.590,00 | 31,20 |
| 35.140.3613 | 3x185 + 95/50 mm² | 2.000,00 | 34,90 |
| 35.140.3614 | 3x240 +120/70 mm² | 2.620,00 | 38,50 |
| **35.140.5100** | **Installation of column and supply lines with 1-KV underground cables with YAVV (NAYY) conductors: (Unit: m)**<br>Installation of column and supply lines with 1-KV underground cables with aluminum conductor in compliance with TS IEC 60502-1+A1, YAVV (NAYY): (Unit: m) Identical with the Item no. 35.140.3100 (Phase and neutral conductors are aluminum)<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.5101 | 3 x 25 rm/ 16 mm² | 65,00 | 17,30 |
| 35.140.5102 | 3 x 35 srm/ 16 mm² | 77,50 | 18,20 |
| 35.140.5103 | 3 x 50 srm/ 25 rm mm² | 106,00 | 27,00 |
| 35.140.5104 | 3 x 70 srm/ 35 srmmm² | 138,00 | 29,70 |
| 35.140.5105 | 3 x 95 srm/ 50 srmmm² | 178,00 | 32,90 |
| 35.140.5106 | 3 x 120 srm/ 70 srmmm² | 217,00 | 32,90 |
| 35.140.5107 | 3 x 150 srm/ 70 srmmm² | 256,00 | 37,60 |
| 35.140.5108 | 3 x 185 srm/ 95 srmmm² | 317,00 | 40,40 |
| 35.140.5109 | 3 x 240 srm/ 120 srmmm² | 404,00 | 45,90 |
| 35.140.5110 | 4 x 16 mm² | 53,00 | 15,60 |
| **35.140.5200** | **Installation of column and supply lines with 1-KV YAVMV (NAYCY) underground cables: (Unit: m)**<br>Installation of column and supply lines with 1-KV YAVMY, (NAYCY) underground cables with aluminum conductor in compliance with TS IEC 60502-1+A1.<br>Identical with Item No. 35.140.3100 except that the item shall be used with YAVMY, (NAYCY) cables. Phase conductors shall be aluminum, concentric conductors shall be used as copper and neutral conductor. Unit: Same as the item no. 35.140.3100.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.5201 | 3 x 16 x 16 mm² | 52,00 | 14,60 |
| 35.140.5202 | 3 x 25 rm/ 16 mm² | 71,50 | 17,20 |
| 35.140.5203 | 3 x 35 srm/ 16 mm² | 85,00 | 17,20 |
| 35.140.5204 | 3 x 50 srm/ 25 mm² | 115,00 | 25,10 |
| 35.140.5205 | 3 x 70 srm/ 35 mm² | 149,00 | 27,50 |
| 35.140.5206 | 3 x 95 srm/ 50 mm² | 191,00 | 30,50 |
| 35.140.5207 | 3 x 120 srm/ 70 mm² | 237,00 | 30,50 |
| 35.140.5208 | 3 x 150 srm/ 70 mm² | 274,00 | 34,90 |
| 35.140.5209 | 3 x 185 srm/ 95 mm² | 341,00 | 37,60 |
| 35.140.5210 | 3 x 240 srm/ 120 mm² | 427,00 | 42,60 |
| **35.140.5300** | **Installation of column and supply lines with 1-KV underground cables with YAVŞV (NAYFY) conductors: (Unit: m)**<br>Installation of column and supply lines with 1-KV underground cables with aluminum conductor in compliance with TS IEC 60502-1+A1.<br>Unit: Same as the item no. 35.140.3100. | | |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.140.5301 | 4 x 16 mm² | 54,50 | 14,90 |
| 35.140.5302 | 3 x 25 rm/ 16 mm² | 71,50 | 17,50 |
| 35.140.5303 | 3 x 35 srm/ 16 mm² | 85,50 | 17,50 |
| 35.140.5304 | 3 x 50 srm/ 25 rm mm² | 111,00 | 25,70 |
| 35.140.5305 | 3 x 70 srm/ 35 srmmm² | 149,00 | 27,90 |
| 35.140.5306 | 3 x 95 srm/ 50 srmmm² | 191,00 | 31,00 |
| 35.140.5307 | 3 x 120 srm/ 70 srmmm² | 238,00 | 31,00 |
| 35.140.5308 | 3 x 150 srm/ 70 srmmm² | 274,00 | 35,80 |
| 35.140.5309 | 3 x 185 srm/ 95 srmmm² | 341,00 | 38,00 |
| 35.140.5310 | 3 x 240 srm/ 120 srmmm² | 426,00 | 41,60 |
| **35.150.1000** | **Halogen-free cables**<br>Flame-retardant, halogen-free cables for main line and supply lines. All halogen-free cables shall be in compliance with the TS EN 60754-1, TS EN 60754-2, TS EN 60332-1-2, and TS EN 60332-3-22 standards, and the 2014/35/EU Low Voltage Directive (LVD), and shall be released to the market with CE marking.<br>Note: The cables shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| **35.150.1100** | **Installation of column and supply lines within HFFR pipes with (HO7Z,O7Z1) conductors: (Unit: m)**<br>Installation of column or supply lines in compliance with the TS EN 50525-3-31 standard, with plastic insulation (HO7Z, O7Z1, minimum 300/500 V),and supply of any materials including pipes, cable clips, junction sleeves, brackets, terminal blocks, iron consoles, paint, and labor. | | |
| 35.150.1101 | 2x0.5 mm² P.14 | 15,10 | 6,80 |
| 35.150.1102 | 2x0.75 mm² P.14 | 16,80 | 6,90 |
| 35.150.1103 | 2x1 mm² P.14 | 17,50 | 6,90 |
| 35.150.1104 | 2x1.5 mm² P.14 | 19,60 | 6,90 |
| 35.150.1105 | 2x2.5 mm² P.14 | 24,80 | 7,25 |
| 35.150.1106 | 2x4 mm² P.18 | 31,90 | 7,25 |
| 35.150.1107 | 2x6 mm² P.18 | 38,50 | 7,25 |
| 35.150.1108 | 2x10 mm² P.26 | 65,50 | 8,40 |
| 35.150.1109 | 2x16 mm² P.26 | 98,50 | 8,40 |
| 35.150.1110 | 2x25 mm² P.37 | 147,00 | 8,40 |
| 35.150.1111 | 2x35 mm² P.37 | 206,00 | 8,40 |
| 35.150.1112 | 2x50 mm² P.37 | 264,00 | 8,40 |
| 35.150.1130 | 3x1.5 mm² P.14 | 25,40 | 7,25 |
| 35.150.1131 | 3x2.5 mm² P.18 | 33,10 | 7,25 |
| 35.150.1132 | 3x4 mm² P.18 | 42,90 | 8,40 |
| 35.150.1133 | 3x6 mm² P.26 | 61,50 | 8,40 |
| 35.150.1134 | 3x10 mm² P.26 | 104,00 | 8,40 |
| 35.150.1135 | 3x16 mm² P.37 | 145,00 | 8,40 |
| 35.150.1136 | 3x25 mm² P.37 | 225,00 | 8,40 |
| 35.150.1137 | 3x35 mm² P.37 | 283,00 | 8,40 |
| 35.150.1138 | 3x25+16 mm² P.37 | 272,00 | 10,80 |
| 35.150.1160 | 4x1.5 mm² P.18 | 31,80 | 10,30 |
| 35.150.1161 | 4 x 2.5 mm² P.18 | 39,00 | 10,80 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.150.1162 | 4x4 mm² P.26 | 57,50 | 10,80 |
| 35.150.1163 | 4x6 mm² P.26 | 74,50 | 10,80 |
| 35.150.1164 | 4x10 mm² P.37 | 129,00 | 10,80 |
| 35.150.1165 | 4x16 mm² P.37 | 189,00 | 10,80 |
| 35.150.1190 | 5x1.5 mm² P.18 | 37,20 | 10,30 |
| 35.150.1191 | 5x2.5 mm² P.18 | 47,20 | 10,30 |
| 35.150.1200 | 6x1.5 mm² P.18 | 39,10 | 10,30 |
| 35.150.1201 | 6x2.5 mm² P.18 | 50,50 | 10,30 |
| **35.150.1300** | **Installation of a supply line using (HO7Z, O7Z1, minimum 300/500 V) conductors within galvanized or internally and externally coated, threaded steel pipes (TS-9). (Unit: m)**<br>Installation of column or supply lines in compliance with the TS EN 50525-3-31 standard, with plastic insulation (HO7Z, O7Z1, minimum 300/500 V), and supply of any materials and labor. | | |
| 35.150.1301 | 2 x 2.5 mm² ( 1/2″) Ø15 mm | 54,50 | 17,20 |
| 35.150.1302 | 2 x 4 mm² (5/8″) Ø18 mm | 65,00 | 17,90 |
| 35.150.1303 | 2 x 6 mm² (3/4″) Ø20 mm | 84,00 | 17,90 |
| 35.150.1304 | 2 x 10 mm² (3/4″) Ø20 mm | 121,00 | 17,90 |
| 35.150.1305 | 2 x 16 mm² (1 ″) Ø25 mm | 174,00 | 17,90 |
| 35.150.1306 | 2 x 25 mm² (1¼″) Ø32 mm | 259,00 | 20,60 |
| 35.150.1307 | 2 x 35 mm² (1¼″) Ø32 mm | 308,00 | 20,60 |
| 35.150.1308 | 2 x 50 mm² (1½″) Ø40 mm | 434,00 | 20,60 |
| 35.150.1309 | 2 x 70 mm² (1½″) Ø40 mm | 455,00 | 20,60 |
| 35.150.1330 | 3 x 2.5 mm² (3/4″) Ø20 mm | 73,50 | 17,90 |
| 35.150.1331 | 3 x 4 mm² (3/4″) Ø20 mm | 84,00 | 17,90 |
| 35.150.1332 | 3 x 6 mm² (1″) Ø25 mm | 118,00 | 17,90 |
| 35.150.1333 | 3 x 10 mm² (1″) Ø25 mm | 177,00 | 17,90 |
| 35.150.1334 | 3 x 16 mm² (1¼″) Ø32 mm | 243,00 | 20,60 |
| 35.150.1335 | 3 x 25 mm² (1½″) Ø40 mm | 363,00 | 20,60 |
| 35.150.1336 | 3 x 35 mm² (1½″) Ø40 mm | 455,00 | 20,60 |
| 35.150.1337 | 3 x 50 mm² (1½″) Ø40 mm | 615,00 | 24,50 |
| 35.150.1338 | 3 x 70 mm² (2″) Ø50 mm | 813,00 | 24,50 |
| 35.150.1360 | 3 x 25 + 16 mm² (1½″) Ø40 mm | 449,00 | 20,60 |
| 35.150.1361 | 3 x 35 + 16 mm² (1½″) Ø40 mm | 527,00 | 20,60 |
| 35.150.1362 | 3 x 50 + 25 mm² (2″) Ø50 mm | 747,00 | 24,50 |
| 35.150.1363 | 3 x 70 + 35 mm² (2″) Ø50 mm | 924,00 | 24,50 |
| 35.150.1370 | 4 x 2.5 mm² (3/4″) Ø20 mm | 84,00 | 17,90 |
| 35.150.1371 | 4 x 4 mm² (1″) Ø25 mm | 118,00 | 17,90 |
| 35.150.1372 | 4 x 6 mm² (1″) Ø25 mm | 142,00 | 17,90 |
| 35.150.1373 | 4 x 10 mm² (1″) Ø25 mm | 203,00 | 17,90 |
| 35.150.1374 | 4 x 16 mm² (1½″) Ø40 mm | 358,00 | 20,60 |
| **35.150.1400** | **HO7Z, O7Z1 type cable (min. 300/500 V): (Unit: m)**<br>Installation of HO7Z, O7Z1 type cable in compliance with the TS EN 50525-3-31 standard, delivery to the site, installation, and supply of all small materials and labor.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.150.1401 | 1 x 1.5 mm² section | 6,50 | 2,15 |
| 35.150.1402 | 1 x 2.5 mm² section | 9,15 | 2,15 |
| 35.150.1403 | 1 x 4 mm² section | 13,00 | 2,15 |
| 35.150.1404 | 1 x 6 mm² section | 18,20 | 2,15 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.150.1405 | 1 x 10 mm² section | 29,50 | 2,10 |
| 35.150.1406 | 1 x 16 mm² section | 45,40 | 2,10 |
| 35.150.1407 | 1 x 25 mm² section | 71,50 | 2,10 |
| 35.150.1408 | 1 x 35 mm² section | 96,50 | 2,10 |
| 35.150.1409 | 1 x 50 mm² section | 132,00 | 2,10 |
| **35.150.1500** | **Installation of a supply line with halogen-free, flame-retardant, isolated, multi-core NHXMH cables: (Unit: m)**<br>Installation of a column or supply line using NHXMH in compliance with TSE K 328 standard, minimum 300/500 V cables, including any material supply and labor. | | |
| 35.150.1501 | 2 x 1.5 mm² | 19,90 | 7,45 |
| 35.150.1502 | 2 x 2.5 mm² | 25,40 | 7,45 |
| 35.150.1503 | 2x4 mm² | 35,10 | 7,45 |
| 35.150.1504 | 2x6 mm² | 46,50 | 7,45 |
| 35.150.1505 | 2x10 mm² | 74,50 | 7,50 |
| 35.150.1506 | 2x16 mm² | 108,00 | 7,50 |
| 35.150.1530 | 3 x 1.5 mm² | 24,10 | 7,45 |
| 35.150.1531 | 3 x 2.5 mm² | 32,10 | 7,45 |
| 35.150.1532 | 3x4 mm² | 46,20 | 7,45 |
| 35.150.1533 | 3x6 mm² | 64,00 | 7,45 |
| 35.150.1534 | 3x10 mm² | 103,00 | 7,45 |
| 35.150.1535 | 3x16 mm² | 153,00 | 7,45 |
| 35.150.1560 | 4 x 1.5 mm² | 29,40 | 8,30 |
| 35.150.1561 | 4 x 2.5 mm² | 40,20 | 8,30 |
| 35.150.1562 | 4x4 mm² | 60,00 | 8,30 |
| 35.150.1563 | 4x6 mm² | 82,50 | 8,30 |
| 35.150.1564 | 4x10 mm² | 133,00 | 8,30 |
| 35.150.1565 | 4x16 mm² | 200,00 | 8,30 |
| **35.150.2100** | **Installation of column and supply lines with 1-KV N2XH underground cables: (Unit: m)**<br>Supply to the workplace, including cable bushings and escape pipes, any other material and labor, of underground cables for installation on plaster, on walls and ceilings through consoles or clips, or through conduits inside the building, and through conduits outside the building using N2XH, 0.6/1 kV cables in compliance with TS HD 604 S1 standard.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.150.2101 | 1x6 mm² | 24,60 | 5,60 |
| 35.150.2102 | 1x10 mm² | 35,90 | 5,60 |
| 35.150.2103 | 1x16 mm² | 52,50 | 5,60 |
| 35.150.2104 | 1x25 mm² | 77,00 | 5,60 |
| 35.150.2105 | 1x35 mm² | 103,00 | 5,60 |
| 35.150.2106 | 1x50 mm² | 137,00 | 5,60 |
| 35.150.2107 | 1x70 mm² | 191,00 | 5,60 |
| 35.150.2108 | 1x95 mm² | 259,00 | 5,60 |
| 35.150.2109 | 1x120 mm² | 327,00 | 5,60 |
| 35.150.2110 | 1x150 mm² | 400,00 | 5,60 |
| 35.150.2111 | 1x185 mm² | 497,00 | 5,60 |
| 35.150.2112 | 1x240 mm² | 655,00 | 5,60 |
| 35.150.2120 | 2 x 1.5 mm² | 20,70 | 6,90 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.150.2121 | 2 x 2.5 mm² | 26,30 | 6,90 |
| 35.150.2122 | 2x4 mm² | 35,60 | 6,90 |
| 35.150.2123 | 2x6 mm² | 46,60 | 7,15 |
| 35.150.2124 | 2x10 mm² | 72,50 | 7,15 |
| 35.150.2125 | 2x16 mm² | 107,00 | 7,15 |
| 35.150.2126 | 2x25 mm² | 163,00 | 7,15 |
| 35.150.2150 | 3 x 1.5 mm² | 25,60 | 7,15 |
| 35.150.2151 | 3 x 2.5 mm² | 33,60 | 6,90 |
| 35.150.2152 | 3x4 mm² | 47,10 | 7,15 |
| 35.150.2153 | 3x6 mm² | 63,50 | 7,15 |
| 35.150.2154 | 3x10 mm² | 101,00 | 7,15 |
| 35.150.2155 | 3x16 mm² | 139,00 | 7,15 |
| 35.150.2156 | 3x25 mm² | 230,00 | 7,15 |
| 35.150.2170 | 3x25+16 mm² | 277,00 | 15,30 |
| 35.150.2171 | 3x35+16 mm² | 355,00 | 15,30 |
| 35.150.2172 | 3x50+25 mm² | 493,00 | 20,30 |
| 35.150.2173 | 3x70+35 mm² | 688,00 | 22,80 |
| 35.150.2174 | 3x95+50 mm² | 939,00 | 25,80 |
| 35.150.2175 | 3x120+70 mm² | 1.220,00 | 29,20 |
| 35.150.2176 | 3x150+70 mm² | 1.440,00 | 29,20 |
| 35.150.2177 | 3x185+95 mm² | 1.820,00 | 31,20 |
| 35.150.2178 | 3x240+120 mm² | 2.380,00 | 35,10 |
| 35.150.2190 | 4 x 1.5 mm² | 30,00 | 7,15 |
| 35.150.2191 | 4 x 2.5 mm² | 40,90 | 7,15 |
| 35.150.2192 | 4x4 mm² | 59,00 | 7,15 |
| 35.150.2193 | 4x6 mm² | 80,50 | 8,30 |
| 35.150.2194 | 4x10 mm² | 127,00 | 8,30 |
| 35.150.2195 | 4x16 mm² | 192,00 | 9,20 |
| 35.150.2196 | 4x25 mm² | 309,00 | 15,40 |
| 35.150.2197 | 4x35 mm² | 413,00 | 15,40 |
| 35.150.2198 | 4x50 mm² | 561,00 | 21,10 |
| 35.150.2199 | 4x70 mm² | 798,00 | 23,10 |
| 35.150.2200 | 4x95 mm² | 1.100,00 | 25,90 |
| 35.150.2201 | 4x120 mm² | 1.380,00 | 30,20 |
| 35.150.2202 | 4x150 mm² | 1.680,00 | 30,20 |
| 35.150.2203 | 4x185 mm² | 2.100,00 | 31,50 |
| 35.150.2204 | 4x240 mm² | 2.740,00 | 35,10 |
| 35.150.2210 | 5 x 1.5 mm² | 35,40 | 7,15 |
| 35.150.2211 | 5 x 2.5 mm² | 50,00 | 8,30 |
| 35.150.2212 | 5x4 mm² | 73,00 | 8,30 |
| 35.150.2213 | 5x6 mm² | 99,00 | 8,30 |
| 35.150.2214 | 5x10 mm² | 159,00 | 8,30 |
| 35.150.2240 | 10 x 1.5 mm² | 65,00 | 8,30 |
| 35.150.2241 | 12 x 1.5 mm² | 83,00 | 8,30 |
| 35.150.2242 | 14 x 1.5 mm² | 111,00 | 8,30 |
| 35.150.2243 | 19x1.5 mm² | 140,00 | 8,30 |
| 35.150.2244 | 21x1.5 mm² | 155,00 | 8,30 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.150.2245 | 24x1.5 mm² | 176,00 | 8,30 |
| 35.150.2246 | 30x1.5 mm² | 220,00 | 9,20 |
| **35.150.3100** | **N2XHFE 180 type 0.6/1kV fire-resistant cable: (Unit: m)**<br>Cables (except pipes and junction boxes) with single or multiple wires, copper conductors, special synthetic insulators, special layers of fill and a special synthetic external casing, which shall retain their functionality for 180 in flames as per T EN 60332-3-24, and TS IEC 60331-11/21 standards, and comply with the TS HD 604 S1, TS EN 61034-1/2, and TS EN 60754-1/2 standards, with any material and labor included. | | |
| 35.150.3101 | 1x4re | 29,90 | 6,45 |
| 35.150.3102 | 1x6re | 32,40 | 6,45 |
| 35.150.3103 | 1 x 10 rm | 40,20 | 6,45 |
| 35.150.3104 | 1 x 16rm | 58,00 | 6,45 |
| 35.150.3105 | 1 x 25 rm | 83,00 | 6,45 |
| 35.150.3106 | 1 x 35 rm | 111,00 | 6,45 |
| 35.150.3107 | 1 x 50 rm | 148,00 | 6,45 |
| 35.150.3108 | 1 x 70 rm | 205,00 | 6,45 |
| 35.150.3109 | 1 x 95 rm | 275,00 | 6,45 |
| 35.150.3110 | 1 x 120 rm | 350,00 | 6,45 |
| 35.150.3111 | 1 x 150 rm | 427,00 | 6,45 |
| 35.150.3112 | 1 x 185 rm | 531,00 | 6,45 |
| 35.150.3113 | 1 x 240 rm | 691,00 | 6,45 |
| 35.150.3120 | 2 x 1.5re | 23,70 | 8,15 |
| 35.150.3121 | 2 x 2.5re | 31,60 | 8,15 |
| 35.150.3122 | 2 x 4re | 41,40 | 8,15 |
| 35.150.3123 | 2 x 6re | 53,00 | 8,15 |
| 35.150.3124 | 2 x 10 rm | 81,00 | 8,15 |
| 35.150.3140 | 3 x 1.5re | 30,60 | 8,15 |
| 35.150.3141 | 3 x 2.5re | 39,80 | 8,15 |
| 35.150.3142 | 3 x 4re | 54,00 | 8,15 |
| 35.150.3143 | 3 x 6re | 73,00 | 8,15 |
| 35.150.3144 | 3 x 10 rm | 112,00 | 8,15 |
| 35.150.3145 | 3 x 16 rm/10 rm | 197,00 | 11,00 |
| 35.150.3146 | 3 x 25 rm/16 rm | 302,00 | 16,60 |
| 35.150.3147 | 3 x 35 rm/16 rm | 388,00 | 17,50 |
| 35.150.3148 | 3 x 50 rm/25 rm | 535,00 | 24,10 |
| 35.150.3149 | 3 x 70 rm/35 rm | 746,00 | 27,60 |
| 35.150.3150 | 3 x 95 rm/50 rm | 1.020,00 | 30,70 |
| 35.150.3151 | 3 x 120 rm/70 rm | 1.310,00 | 34,40 |
| 35.150.3152 | 3 x 150 rm/70 rm | 1.550,00 | 34,40 |
| 35.150.3153 | 3 x 185 rm/95 rm | 1.950,00 | 38,00 |
| 35.150.3154 | 3 x 240 rm/120 rm | 2.540,00 | 41,60 |
| 35.150.3160 | 4 x 1.5re | 36,20 | 8,15 |
| 35.150.3161 | 4 x 2.5re | 48,20 | 8,15 |
| 35.150.3162 | 4 x 4re | 67,50 | 8,15 |
| 35.150.3163 | 4 x 6re | 91,50 | 10,10 |
| 35.150.3164 | 4 x 10 rm | 144,00 | 10,10 |
| 35.150.3165 | 4 x 16 rm | 212,00 | 10,10 |
| 35.150.3166 | 4 x 25 rm | 339,00 | 17,00 |
| 35.150.3167 | 4 x 35 rm | 449,00 | 17,70 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.150.3168 | 4 x 50 rm | 607,00 | 24,20 |
| 35.150.3169 | 4 x 70 rm | 857,00 | 27,60 |
| 35.150.3170 | 4 x 95 rm | 1.180,00 | 30,70 |
| 35.150.3171 | 4 x 120 rm | 1.470,00 | 35,10 |
| 35.150.3172 | 4 x 150 rm | 1.800,00 | 35,10 |
| 35.150.3173 | 4 x 185 rm | 2.240,00 | 38,30 |
| 35.150.3174 | 4 x 240 rm | 2.940,00 | 42,60 |
| 35.150.3180 | 5 x 1.5re | 47,00 | 10,10 |
| 35.150.3181 | 5 x 2.5re | 61,50 | 10,10 |
| 35.150.3182 | 7 x 1.5re | 59,50 | 10,10 |
| 35.150.3183 | 7 x 2.5re | 80,00 | 10,10 |
| 35.150.3184 | 10 x 1.5re | 81,50 | 10,10 |
| 35.150.3185 | 10 x 2.5re | 111,00 | 10,10 |
| 35.150.3186 | 12 x 1.5re | 87,00 | 10,10 |
| 35.150.3187 | 12 x 2.5re | 129,00 | 10,10 |
| 35.150.3188 | 19 x 1.5re | 135,00 | 11,00 |
| 35.150.3189 | 19 x 2.5re | 196,00 | 11,00 |
| **35.150.3200** | **Silicon-insulated Cables Resistant to Extreme Heat (Unit: m)**<br>Supply, transportation, installation, establishment of the connections, and delivery in working order, of halogen-free (bromine, chlorine, fluorine, iodine, etc.), flame-retardant, non-corrosive cables resistant to mechanical impacts and extreme heat and in compliance with the standards (TS EN 50200, TS IEC 60331-21, TS EN 50267-2-1/2/3, TS EN 60332-3-24, TS EN 60228) and capable of conducting current up to three hours (180 minutes) at 750°C temperature and in flames without any deterioration of its insulation or any change in its current conducting capacity, with a rated voltage of maximum 0.6/1.0 kV (flame resistance category N, water and flame resistance category W per BS 6387), FE 180 / E 90, which shall be coated with a layer of special silicon insulation that can turn into ceramic on single-wire (class 1-2) or multi-wire (class 5-6) electrolytic copper conductors for single-core cables, and coated with a silicon external casing that can bend among each other and turn into silicon and insulated with silicon against extreme heat and flames for multi-core cables. (Price of the pipe is not included) Note: Test reports shall be submitted to the Administration. | | |
| 35.150.3201 | 1 x 1.5 mm² | 8,30 | 4,20 |
| 35.150.3202 | 1 x 2.5 mm² | 13,10 | 4,20 |
| 35.150.3203 | 1 x 4 mm² | 25,30 | 4,20 |
| 35.150.3204 | 1 x 6 mm² | 36,70 | 6,35 |
| 35.150.3205 | 1 x 10 mm² | 57,50 | 6,35 |
| 35.150.3206 | 1 x 16 mm² | 98,00 | 6,35 |
| 35.150.3207 | 1 x 25 mm² | 152,00 | 6,35 |
| 35.150.3208 | 1 x 35 mm² | 215,00 | 10,20 |
| 35.150.3209 | 1 x 50 mm² | 286,00 | 10,20 |
| 35.150.3210 | 1 x 70 mm² | 331,00 | 10,20 |
| 35.150.3211 | 1 x 95 mm² | 591,00 | 10,20 |
| **35.160.0000** | **OUTLET BRANCHES, PIPES AND FITTINGS:** | | |
| **35.160.1000** | **OUTLET BRANCHES:** | | |
| **35.160.1100** | **Light outlet branch: (Unit: Qty., Materials on construction site: 60%)**<br>Installation of surface-mounted or flush-mounted lighting branch lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm² service lines and 1.5-mm² outlet branch lines, phase and neutral conductors colored per TS EN 60445 and plastic-insulated, which shall be laid through PVC pipes. No price difference shall be charged for thicker walls.<br>Unit: Same as the item no. 35.160.1150. | | |
| 35.160.1101 | Single switch outlet branch | 293,00 | 86,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.160.1102 | Dual switch outlet branch | 393,00 | 96,00 |
| 35.160.1103 | Two-way outlet branch. | 509,00 | 107,00 |
| 35.160.1104 | Parallel outlet branch. | 132,00 | 52,50 |
| 35.160.1105 | Chandelier outlet branch. | 292,00 | 96,00 |
| 35.160.1106 | Parallel chandelier outlet branch | 132,00 | 52,50 |
| 35.160.1107 | 3-phase outlet branch. | 292,00 | 96,00 |
| 35.160.1108 | 3-phase parallel outlet branch. | 119,00 | 65,00 |
| **35.160.1150** | **Security line light outlets: (The security line shall be plastic-insulated): (Unit: Qty.)**<br><br>Security line light outlets: The security line shall be plastic-insulated,<br>Installation of surface-mounted or flush-mounted lighting branch lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm² service lines and 1.5-mm² outlet branch lines, phase and neutral conductors colored per T EN 60445 and plastic-insulated, which shall be laid through PVC pipes. No price difference shall be charged for thicker walls.<br>Unit: No additional charge shall apply unless the length of the branch exceeds 35 m. The part of the branch line exceeding 35 m shall be charged as a supply line per the Item No. 35.140.2000. A single outlet shall be considered normal for the single switch outlet branch and chandelier outlet. Extra outlets connected to the aforementioned outlets shall be considered parallel. Two two-way switches and an outlet branch shall be considered a two-way outlet branch, and other outlet branche connected to it shall be considered parallel outlet branches . Deviator switches shall be paid separately per the relevant unit price. The first two of the outlet branches controlled by a dual switch outlet branch, which are at the same location, shall be considered commutator outlet branches, and the rest, parallel outlet branches. Where a breaker is used instead of a switch, the price of the switch shall be deducted, and also the price of the breaker shall be paid. A 3-phase outlet branch is similar to a single switch outlet branch where each fixture is supplied power by 3 phases and 4 or 5 conductors. Switch contactor and contactor controller lines of a 3-phase outlet shall be paid separately. Where each fixture is supplied through a differen phase, the first outlet branch shall be charged as single-outlet regular, and other outlet branches connected thereto shall be charged as single-phase parallel outlet branch. Fixtures shall be paid separately per the item no. 35.170.0000. | | |
| 35.160.1151 | Single switch outlet branch for the security line. | 310,00 | 91,00 |
| 35.160.1152 | Dual switch outlet branch for the security line. | 485,00 | 96,00 |
| 35.160.1153 | Two-way switch outlet for the security line. | 643,00 | 114,00 |
| 35.160.1154 | Parallel outlet branch for the security line. | 135,00 | 61,00 |
| 35.160.1155 | Chandelier outlet branch for the security line. | 367,00 | 96,00 |
| 35.160.1156 | Parallel chandelier outlet branch for the security line. | 157,00 | 61,00 |
| 35.160.1157 | 3-phase outlet for the security line. | 332,00 | 96,00 |
| 35.160.1158 | 3-phase parallel outlet branch for the security line. | 184,00 | 65,00 |
| 35.160.1180 | **Impulse current switch controlled outlet: (Unit: Qty., Materials on construction site: 60%) (with materials certified for compliance with TS and CE)**<br>Supply, transportation to the work site, and delivery in working order, including any material and labor, of the installation through a PVC pipe of an outlet line including light switches, junction boxes, terminal blocks and fixture blocks, with branch lines installed with conductors that are minimum 2.5 mm² in section and outlet lines with conductors that are minimum 1.5 mm² in section, which shall be controlled by a flush-mounted or surface-mounted impulse current switch. Un The number of light switches shall be taken, and parallel outlet branches, fixtures and impulse current breakers shall be pai separately per the relevant items. | 142,00 | 45,80 |
| **35.160.1200** | **WEATHER-PROOF LIGHTING OUTLET LINE (with safety line): (Materials on construction site: 60%)**<br><br>Installation, including supply and transportation to the work site of any materials, and labor, of a complete weather-proof outlet line (fixtures not included) with minimum 2.5-mm² branch lines and minimum 1.5-mm² outlet lines, using fully weather-proof materials (junction boxes, terminal blocks, switches, etc.) as described below for service and outlet lines given the installation method. Unit: Same as the item no. 35.160.1150. | | |
| **35.160.1210** | **The branch line shall be laid through a PVC pipe, and outlet lines shall be laid through a gas pipe with plastic-insulated conductors. (Unit: Qty.)** | | |
| 35.160.1211 | Single switch outlet branch | 394,00 | 96,00 |
| 35.160.1212 | Dual switch outlet branch | 472,00 | 118,00 |
| 35.160.1213 | Two-way outlet branch | 691,00 | 130,00 |
| 35.160.1214 | Parallel outlet branch | 261,00 | 65,00 |
| **35.160.1220** | **The branch line shall be laid through a PVC pipe with plastic-insulated conductors, and outlet lines shall be laid with a material of lead-free, antigron, (NVV), (NYM) type: (Unit: Qty.)** | | |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.160.1221 | Single switch outlet branch | 223,00 | 74,50 |
| 35.160.1222 | Dual switch outlet branch | 288,00 | 96,00 |
| 35.160.1223 | Two-way outlet branch | 342,00 | 114,00 |
| 35.160.1224 | Parallel outlet branch | 90,50 | 61,00 |
| **35.160.1230** | **Branch and outlet lines made of lead-free antigron: (Unit: Qty.)** | | |
| 35.160.1231 | Single switch outlet branch | 254,00 | 96,00 |
| 35.160.1232 | Dual switch outlet branch | 336,00 | 107,00 |
| 35.160.1233 | Two-way outlet branch | 441,00 | 118,00 |
| 35.160.1234 | Parallel outlet branch | 130,00 | 61,00 |
| **35.160.1240** | **Service and outlet lines shall be laid through a galvanized gas pipe with plastic-insulated conductors: (Unit: Qty.)** | | |
| 35.160.1241 | Single switch outlet branch | 654,00 | 114,00 |
| 35.160.1242 | Dual switch outlet branch | 841,00 | 146,00 |
| 35.160.1243 | Two-way outlet branch | 1.080,00 | 151,00 |
| 35.160.1244 | Parallel outlet branch | 348,00 | 65,00 |
| 35.160.1500 | **Power socket outlet branch for the security line.**<br>Supply, transportation to the work site, and installation of complete power socket outlet lines with security line, including any material and labor, of junction boxes, terminal blocks, power sockets within PVC pipes with branch and outlet lines minimum 2.5 mm² in section, phase, neutral and safety conductors for the sockets with phase, neutral and safety line colored per TS EN 60445 and plastic insulated.<br>Unit: The part of the branch line exceeding 35 m shall be charged as a supply line per the Item No. 35.140.2000. | 413,00 | 81,00 |
| **35.160.1600** | **WEATHER-PROOF POWER SOCKET OUTLET (with safety line): (Using materials with TS compliance certificate): (Unit: Qty.)**<br>Installation of power sockets with external caps and safety lines, and installation of weather-proof power socket outlet lines with min. 2.5-mm² section using the fully weather-proof materials (junction boxes, terminal blocks, etc.) per the installation method of service and outlet lines given below, including the supply and transport to the work site of any material, and labor. Unit: Same as the item no. 35.160.1500.<br>Note: Conductors shall be color-coded as per TS EN 60445. | | |
| 35.160.1601 | The branch line shall be laid through a PVC pipe, and outlet line conductors shall be laid as regular power socket outlet lines through a gas pipe with plastic-insulated conductors. | 370,00 | 91,00 |
| 35.160.1602 | The branch line shall be laid through a PVC pipe with plastic-insulated conductors, and outlet lines shall be laid as regular power socket outlet lines with a material of lead-free, antigron, (NVV), (NYM) type. | 170,00 | 74,50 |
| **35.160.1610** | **Service and outlet lines made as regular power socket outlet lines of lead antigron.** | | |
| 35.160.1611 | Service and outlet lines made as regular power socket outlet lines of lead-free antigron. | 271,00 | 74,50 |
| 35.160.1612 | Service and outlet lines shall be laid through galvanized gas pipes, and plastic-insulated conductors shall be laid as regular power socket outlet lines. | 571,00 | 107,00 |
| **35.160.3000** | **HALOGEN-FREE OUTLET BRANCHES:** | | |
| **35.160.3100** | **Lighting outlet line with halogen-free cable : (Unit: Qty. Materials on construction site: 60%)**<br>Installation of surface-mounted or flush-mounted lighting outlet lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm² service lines and 1.5-mm² outlet lines, phase and neutral conductors colored per TS 6249 and plastic-insulated (HO7Z,O7Z1), which shall be laid through halogen-free, flame-retardant pipes. Compliance with the TS EN 60332-1/2, TS EN 60754-1/2 and TS EN 61034-2 standards is required. No price difference shall be charged for thicker walls. (Halogen-free, flame-retardant pipe outlets complying with the standards TS EN 61386-1/21/22, and bearing CE marking shall be included in the price) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.160.3101 | Single switch outlet branch | 280,00 | 73,50 |
| 35.160.3102 | Dual Switch Outlet Branch | 361,00 | 86,00 |
| 35.160.3103 | Two-way Outlet Branch | 456,00 | 92,50 |
| 35.160.3104 | Parallel Outlet Branch | 128,00 | 51,00 |
| 35.160.3105 | Chandelier Outlet Branch | 293,00 | 86,00 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.160.3106 | Parallel Chandelier Outlet Branch | 137,00 | 51,00 |
| 35.160.3107 | 3-phase Outlet Branch | 293,00 | 86,00 |
| 35.160.3108 | 3-phase Parallel Outlet Branch | 137,00 | 51,00 |
| **35.160.3200** | **Lighting outlet line with halogen-free cable and safety line: (Unit: Qty. Materials on construction site: 60%)**<br>Plastic-insulated (HO7Z, O7Z1) with safety line and in compliance with TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 (halogen-free, flame-retardant pipes in compliance with the TS EN 61386-1/21/22 standards and affixed a CE marking shall be included in the price of the outlet line.)<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulatio (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaratio of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Unit: No additional charge shall apply unless the length of the branch exceeds 35 m. The part of the branch line exceeding 35 m shall be charged as a supply line per the Item No. 35.150.1000 The single switch outlet branch shall be considered th only outlet for normal and chandelier outlet branches. Additional outlet branches connected to those outlet branches shall b considered parallel. Two two-way switches and an outlet branch shall be considered a two-way outlet branch, and other outlet branches connected to it shall be considered parallel outlet branches. Deviator switches shall be paid separately per the relevant unit price. The first two of the outlet branches controlled by a commutator switch, which are at the same location, shall be considered dual switch outlet branches, and the rest, parallel outlet branches. Where a breaker is used instead of a switch, the price of the switch shall be deducted, and also the price of the breaker shall be paid. A 3-phase outlet branch is similar to a single switch outlet branch where each fixture is supplied power by 3 phases and 4 or 5 conductors. Switch contactor and contactor controller lines of a 3-phase outlet shall be paid separately. Where each fixture is supplied through a different phase, the first outlet branch shall be charged as single-outlet regular, and other outlet branches connected thereto shall be charged as single-phase parallel outlet branch. Fixtures shall be paid separately per the unit price no. 35.170.0000 | | |
| 35.160.3201 | Single switch outlet branch | 330,00 | 73,50 |
| 35.160.3202 | Commutator Outlet Branch | 453,00 | 78,00 |
| 35.160.3203 | Two-way Outlet Branch | 620,00 | 92,50 |
| 35.160.3204 | Parallel Outlet Branch | 152,00 | 45,30 |
| 35.160.3205 | Chandelier Outlet Branch | 387,00 | 78,00 |
| 35.160.3206 | Parallel Chandelier Outlet Branch | 187,00 | 45,30 |
| 35.160.3207 | 3-phase Outlet Branch | 359,00 | 78,00 |
| 35.160.3208 | 3-phase Parallel Outlet Branch | 185,00 | 51,00 |
| **35.160.3300** | **Weather-proof lighting outlet line (with safety line): (Materials on construction site: 60%)**<br>Installation, including supply and transportation to the work site of any materials, and labor, of a complete weather-proof outlet line (fixtures not included) with minimum 2.5-mm² service lines and minimum 1.5-mm² outlet lines, using fully weather-proof materials (junction boxes, terminal blocks, switches, etc.) as described below for service and outlet lines given the installation method. Compliance with the TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 norms is required. Unit: Same as the item no. 35.160.3200. | | |
| **35.160.3310** | **The branch line shall be laid through a PVC pipe, and outlet lines shall be laid through a pipe with plastic-insulated (HO7Z, O7Z1) conductors. (Unit: Qty.)** | | |
| 35.160.3311 | Single switch outlet branch | 478,00 | 86,00 |
| 35.160.3312 | Commutator Outlet Branch | 609,00 | 97,00 |
| 35.160.3313 | Two-way Outlet Branch | 831,00 | 108,00 |
| 35.160.3314 | Parallel Outlet Branch | 284,00 | 51,00 |
| **35.160.3320** | **The branch line shall be laid through a PVC pipe with plastic-insulated (HO7Z, O7Z1) conductors, and outlet lines shall be laid with a material of lead-free, antigron, (NHXMH) type: (Unit: Qty.)** | | |
| 35.160.3321 | Single switch outlet branch | 331,00 | 64,50 |
| 35.160.3322 | Commutator Outlet Branch | 446,00 | 86,00 |
| 35.160.3323 | Two-way Outlet Branch | 500,00 | 92,50 |
| 35.160.3324 | Parallel Outlet Branch | 168,00 | 51,00 |
| **35.160.3330** | **Branch and outlet lines made of lead-free antigron (NHXMH): (Unit: Qty.)** | | |
| 35.160.3331 | Single switch outlet branch | 470,00 | 78,00 |
| 35.160.3332 | Commutator Outlet Branch | 602,00 | 92,50 |
| 35.160.3333 | Two-way Outlet Branch | 749,00 | 87,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.160.3334 | Parallel Outlet Branch | 197,00 | 46,20 |
| **35.160.3340** | **Service and outlet lines shall be laid through a galvanized gas pipe with plastic-insulated (HO7Z, O7Z1) conductors. (Unit: Qty.)** | | |
| 35.160.3341 | Single switch outlet branch | 733,00 | 83,00 |
| 35.160.3342 | Commutator Outlet Branch | 923,00 | 108,00 |
| 35.160.3343 | Two-way Outlet Branch | 1.200,00 | 114,00 |
| 35.160.3344 | Parallel Outlet Branch | 356,00 | 46,20 |
| **35.160.3400** | **Power socket outlet line with halogen-free cables: (Unit: Qty. Materials on construction site: 60%)**<br>Supply, transportation to the work site, and installation of complete power socket outlet lines, including any material and labor, of junction boxes, terminal blocks, power sockets within halogen-free, flame-retardant pipes with service and outlet lines minimum 2.5 mm² in section, phase, neutral and safety conductors for the sockets with phase, neutral and safety line colored per TS EN 60445 and plastic insulated (HO7Z, O7Z1). Compliance with TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 is required. (Halogen-free, flame-retardant pipe that is in compliance with the TS EN 61386-1/21/22 standard and affixed a CE marking is included in the price of the branch line)<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.<br>Unit: The part of the branch line exceeding 35 m shall be charged as a supply line per the Item No. 35.150.1000. | | |
| 35.160.3401 | Power socket outlet branch for the security line. | 505,00 | 70,00 |
| **35.160.3500** | **Weather proof power socket outlet line (with safety line): (Unit: Qty., Materials on construction site: 60%)**<br>Installation of power sockets with external caps and safety lines, and installation of weather-proof power socket outlet lines using the fully weather-proof materials (junction boxes, terminal blocks, etc.) complying with the TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 standards at min 2.5 mm² section as per the installation method of service and outlet lines given below, including the supply and transport to the work site of any material, and labor. Unit: Similar to the Item No. 35.160.3400. Note: Conductors are color-coded as per TS EN 60445.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. | | |
| 35.160.3501 | The branch line shall be laid through a PVC pipe, and outlet line conductors shall be laid as regular power socket outlet lines through a gas pipe with plastic-insulated (HO7Z, O7Z1) conductors. | 473,00 | 67,00 |
| 35.160.3502 | Regular power socket outlet line with the branch line installed with plastic-insulated (HO7Z, O7Z1) conductors laid through PVC pipes, and outlet lines made of lead-free, antigron, (NHXMH) materials. | 250,00 | 55,50 |
| 35.160.3503 | Service and outlet lines made as regular power socket outlet lines of lead-free antigron (NHXMH). | 420,00 | 55,50 |
| 35.160.3504 | Service and outlet lines shall be laid through galvanized gas pipes, and plastic-insulated (HO7Z,O7Z1) conductors shall be laid as regular power socket outlet lines (Unit: Qty.). | 630,00 | 83,00 |
| **35.160.6000** | **PIPES AND FITTINGS:** | | |
| **35.160.6100** | **INSTALLATION OF HOLLOW PIPES: (Unit: m)**<br>Supply, installation, including any material and labor, of PVC hollow pipes compliant with the TS EN 61386-1, TS EN 61386-21, TS EN 61386-22 standards, on the reinforced concrete ceilings and walls, and laying a guide wire in the pipe. | | |
| 35.160.6101 | 16-20 mm PVC pipe | 8,25 | 4,50 |
| 35.160.6102 | 25-32 mm PVC pipe | 11,20 | 4,50 |
| **35.160.6200** | **HALOGEN-FREE FLAME-RETARDANT PIPES: (Unit: m)**<br>Supply, installation, including any material and labor, of halogen-free (HF) and flame-retardant (FR) pipes compliant with the TS EN 61386-1, TS EN 61386-21, TS EN 61386-22 standards, on the reinforced concrete ceilings and walls, and laying a guide wire in the pipe. | | |
| 35.160.6201 | 16-20 mm PE HFFR pipe | 7,50 | 4,50 |
| 35.160.6202 | 25-32 mm PE HFFR pipe | 10,50 | 4,50 |
| 35.160.6203 | 40-50 mm PE HFFR pipe | 16,80 | 4,50 |
| 35.160.6204 | 63-75 mm PE HFFR pipe | 25,80 | 4,50 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.160.6300 | **Hollow pipe installation outlet: (Unit: Qty.)**<br>Supply and installation, including brackets, pipe clips, junction, switch and socket boxes, any material and labor, of 14 to 18-mm peschel, PVC bergman hollow pipes, special wooden pipe clips depending on the type of the fixtures, and laying a guide wire in the pipe.<br>Unit: The number of hollow pipes for each fixture shall be taken. The hollow pipe outlet lines shall include service line pipes for both power socket outlet and lighting outlet lines. If a single service line is longer than 35 meters, installation of supply line hollow pipes shall be charged per item no. 35.160.6101. | 75,00 | 30,90 |
| 35.160.6350 | **INSTALLATION DECK PIPE CLIPS (unit: qty.)**<br>Transportation to the work site, including any material and labor, of pipe clips with electrical pipe bearings with rotating heads and fixed heads in compliance with the regulation on internal installation, which shall save labor time, prevent crushing and dislocation of power pipes installed beneath the iron mesh, fracture of ceiling concrete caused by the iron, material losses, and connect the iron bearing and pipe to the iron for structures that are built with wooden and metal form work. In addition to the item described above. | 2,60 | 1,05 |
| **35.160.6500** | **Cable Protection Pipes (Unit: m.)**<br>Supply and installation, including any material and labor, of polyethylene corrugated pipes resistant to minimum 450 N of external pressure, used as cable protection pipes in energy and telecommunication infrastructures, and in compliance with the standard TS EN 61386-24. | | |
| 35.160.6501 | Ø50 mm PE corrugated pipe | 10,10 | 2,90 |
| 35.160.6502 | Ø75 mm PE corrugated pipe | 13,50 | 2,90 |
| 35.160.6503 | Ø90 mm PE corrugated pipe | 17,40 | 3,65 |
| 35.160.6504 | Ø110 mm PE corrugated pipe | 19,80 | 3,65 |
| **35.160.8000** | **Underground cable terminal box: (Unit: Qty., Materials on construction site: 60%)**<br>Supply and installation, including the special insulator, greased tape, cable clips, and any other material and labor, of a terminal box for underground cables, which may be sealed with its special fuse that is certified for compliance with the Turkish Standards. | | |
| 35.160.8001 | Max. 2 x 25 A | 136,00 | 47,40 |
| 35.160.8002 | Max. 3 x 25 A | 146,00 | 49,20 |
| 35.160.8003 | Max. 3 x 63 A | 296,00 | 51,00 |
| 35.160.8004 | Max. 3 x 100 A | 344,00 | 56,50 |
| 35.160.8005 | Max. 3 x 200 A | 612,00 | 69,00 |
| **35.160.8100** | **Underground cable caps: (Unit: Qty. Materials on construction site: 60%)**<br>Supply and installation, including its special insulator, greased tape, cable clips, and any other material and labor, for underground cables. | | |
| 35.160.8101 | Up to 4 x 10 mm² | 137,00 | 53,00 |
| 35.160.8102 | Up to 3 x 35 + 16 mm² | 140,00 | 56,50 |
| 35.160.8103 | Up to 3 x 70+ 35 mm² | 185,00 | 56,50 |
| 35.160.8104 | Up to 3 x 120 + 70 mm² | 198,00 | 56,50 |
| 35.160.8105 | Up to 3 x 185 + 95 mm² | 288,00 | 58,00 |
| 35.160.8106 | Up to 3 x 240 + 120 mm² | 314,00 | 58,00 |
| **35.160.8200** | **Underground cable junction box: (Unit: Qty., Materials on construction site: 60%)**<br>Supply, installation, and delivery, including any material and labor, of cable junctions and special insulators for underground cables. | | |
| 35.160.8201 | Up to 3 x 4 + 4 mm² | 126,00 | 75,00 |
| 35.160.8202 | Up to 3 x 16 + 10 mm² | 126,00 | 75,00 |
| 35.160.8203 | Up to 3 x 35 + 16 mm² | 181,00 | 75,00 |
| 35.160.8204 | Up to 3 x 70+ 35 mm² | 303,00 | 108,00 |
| 35.160.8205 | Up to 3 x 120 + 70 mm² | 373,00 | 108,00 |
| 35.160.8206 | Up to 3 x 185 + 95 mm² | 427,00 | 108,00 |
| 35.160.8207 | Up to 3 x 240 + 120 mm² | 571,00 | 108,00 |
| **35.170.0000** | **LIGHTING FIXTURES:** | | |
| **35.170.1000** | **LED FIXTURES:**<br>All LED fixtures shall have a driver with ENEC certificate or TSE product certificate, or a | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | product certificate awarded by a notified body, and a minimum PFC value of 0.95. LEDs must be IESNA LM-80°Certified. The fixtures shall have a life cycle of minimum 50000 (L70) hours per the TM-21 calculation table, the color rendering index (CRI) of the fixtures shall be minimum 80 and homogeneous light diffusion shall be available. The fixtures shall be in compliance with the standards TS EN 60598-1, TS 8698 EN 60598-2-1, TS EN 60598-2-2, and the fixture drivers shall be in compliance with the standards TS EN 61347-1 and TS EN 61347-2-13 and the 2014/35/EU Low Voltage Directive (LVD), and released with a CE marking. The fixtures shall be awarded a photometric measurement report as per IESNA LM-79 standards by an accredited laboratory, and IP degree of protection shall be tested as per the TS 3033 EN 60529 standard and IK degree of protection shall be tested as per the TS EN 62262 standard. Also, the fixtures shall be manufactured in compliance with the Restriction of the Use of Certain Hazardous Substances Directive. Note: The luminous flux (lm) values specified in the LED fixture items are the output values of the fixtures, and the consumption power represents the total power drawn from the mains by a fixture. | | |
| **35.170.1100** | **LED Ceiling Fixtures (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimu IP 40 degree of protection, and with a housing made of minimum 0.5-mm DKP sheet metal and frame made of minimum 0.7-mm-thick DKP sheet metal and a minimum 1-mm-thick opal PMMA diffuser. | | |
| 35.170.1101 | Surface-mounted LED ceiling fixtures sized minimum 30x30 (with minimum 1000 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 531,00 | 11,00 |
| 35.170.1102 | Flush-mounted LED ceiling fixtures sized minimum 30x30 (with minimum 1000 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 387,00 | 11,00 |
| 35.170.1103 | Surface-mounted LED ceiling fixtures sized minimum 30x60 (with minimum 1500 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 675,00 | 11,60 |
| 35.170.1104 | Flush-mounted LED ceiling fixtures sized minimum 30x60 ( with minimum 1500 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 565,00 | 11,60 |
| 35.170.1105 | Surface-mounted LED ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 810,00 | 13,20 |
| 35.170.1106 | Flush-mounted LED ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 655,00 | 13,20 |
| 35.170.1107 | Surface-mounted LED ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 853,00 | 13,20 |
| 35.170.1108 | Flush-mounted LED ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 698,00 | 13,20 |
| **35.170.1200** | **LED Indirect Lighting Fixture (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of IP 20 degree of protection, and with a housing made of 0.5-mm, and reflector made of 0.7-mm DKP sheet metal and a diffuser made of sheet metal coated with opal acrylic film. | | |
| 35.170.1201 | Minimum LED indirect lighting fixture light flux of 2000 lm, minimum fixture luminous efficacy of 100 lm/w). | 831,00 | 13,20 |
| 35.170.1202 | Minimum LED indirect lighting fixture light flux of 3000 lm, minimum fixture luminous efficacy of 100 lm/w). | 942,00 | 13,20 |
| **35.170.1300** | **LED Clean Room Ceiling Fixture (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 degree of protection, and with a housing 0.5-mm DKP sheet metal and a diffuser of tempered glass. | | |
| 35.170.1301 | Surface-mounted LED clean room ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 1.580,00 | 16,80 |
| 35.170.1302 | Flush-mounted LED clean room ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 1.420,00 | 16,80 |
| 35.170.1303 | Surface-mounted LED clean room ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 1.460,00 | 16,80 |
| 35.170.1304 | Flush-mounted LED clean room ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 1.640,00 | 16,80 |
| **35.170.1500** | **LED Circular (Downlight) Fixtures: (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 40 degree of protection, and with cast aluminum housing and cooler and opal PMMA diffuser. | | |
| 35.170.1501 | Flush-mounted LED downlight fixture (with minimum 800 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 259,00 | 15,00 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.170.1502 | Flush-mounted LED downlight fixture (with minimum 1700 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 380,00 | 15,00 |
| 35.170.1503 | Surface-mounted LED downlight fixture (with minimum 800 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 348,00 | 15,00 |
| 35.170.1504 | Surface-mounted LED downlight fixture (with minimum 1700 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 524,00 | 15,00 |
| **35.170.1600** | **LED Surface-mounted Weather-proof Fixtures (with polycarbonate body): (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimu IP 65 degree of protection, and with polycarbonate housing and opal polycarbonate cover. | | |
| 35.170.1601 | Surface-mounted LED weather-proof fixture (polycarbon body) with minimum 1800 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 416,00 | 17,60 |
| 35.170.1602 | Surface-mounted LED weather-proof fixture (polycarbon body) with minimum 2700 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 648,00 | 17,60 |
| 35.170.1603 | Surface-mounted LED weather-proof fixture (polycarbon body) with minimum 3600 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 705,00 | 19,80 |
| **35.170.1700** | **Surface-mounted Weather-proof LED Fixtures (with aluminum body): (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 degree of protection, and with aluminum housing and opal diffuser. | | |
| 35.170.1701 | Surface-mounted LED weather-proof fixture (aluminum body) with minimum 1800 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 681,00 | 17,60 |
| 35.170.1702 | Surface-mounted LED weather-proof fixture (aluminum body) with minimum 2700 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 725,00 | 17,60 |
| 35.170.1703 | Surface-mounted LED weather-proof fixture (aluminum body) with minimum 3600 lm light flux, and minimum fixture luminous efficacy of 100 lm/w). | 793,00 | 19,80 |
| **35.170.1800** | **LED Globe Fixtures: (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures with aluminum or sheet metal housing and opal polycarbonate cover. | | |
| 35.170.1801 | LED globe fixture with minimum 1800 lm light flux, and minimum fixture luminous efficacy of 100 lm/w (minimum IP 40 protection grade). | 458,00 | 15,00 |
| 35.170.1802 | LED globe fixture with minimum 1800 lm light flux, and minimum fixture luminous efficacy of 100 lm/w (minimum IP 65 protection grade). | 723,00 | 15,00 |
| **35.170.1900** | **LED High Ceiling Fixture (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 protection and IK 09 mechanical impact degree, and with a housing made of aluminum or minimum 0.7-mm-thick DKP sheet metal and a diffuser of tempered glass. | | |
| 35.170.1901 | Minimum LED high ceiling fixture light flux of 10,000 lm, minimum fixture luminous efficacy of 110 lm/w. | 1.700,00 | 29,90 |
| 35.170.1902 | Minimum 15,000 lm light flux, maximum 160 W consumption. | 2.040,00 | 29,90 |
| **35.170.2000** | **LED Linear Lighting Fixture (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 40 degree of protection, and with aluminum housing and opal diffuser. | | |
| 35.170.2010 | Surface-mounted, minimum 1800 lm light flux, luminous efficacy of radiation minimum of 100 lm/w, LED Linear fixture. | 792,00 | 17,60 |
| 35.170.2011 | Surface-mounted, minimum 2900 lm light flux, luminous efficacy of radiation minimum of 100 lm/w, LED Linear fixture | 1.060,00 | 17,60 |
| 35.170.2012 | Surface-mounted, minimum 4200 lm light flux, luminous efficacy of radiation minimum of 100 lm/w, LED Linear fixture | 1.350,00 | 17,60 |
| 35.170.2020 | Flush-mounted, minimum 1800 lm light flux, luminous efficacy of radiation minimum of 100 lm/w, LED Linear fixture. | 814,00 | 17,60 |
| 35.170.2021 | Flush-mounted, minimum 2900 lm light flux, luminous efficacy of radiation minimum of 100 lm/w, LED Linear fixture. | 1.100,00 | 17,60 |
| 35.170.2022 | Flush-mounted, minimum 4200 lm light flux, luminous efficacy of radiation minimum of 100 lm/w, LED Linear fixture. | 1.370,00 | 17,60 |
| 35.170.3000 | **Price difference of LED lighting fixtures in compliance with the DALI protocol: (Unit: Qty.)**<br>Price difference of LED fixtures with DALI-compliant drivers for use in lighting automation systems. | 487,00 | |
| 35.170.3050 | **Price difference of emergency lighting kits for LED lighting fixtures: (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material and labor, of emergency light kits installed on the fixtures to ensure that they remain in operation in emergency, which shall provide the emergency light intensity value specified in the relevant project design up to three hours, comprise an extreme temperature type Ni-cd battery, a charging unit and a status LED, comply with the standards TS EN 61347-2-7, TS EN 60598-2-22, and which shall be released with a CE marking. | 465,00 | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.170.3100 | **Price difference of LED lighting fixtures with sensors: (Unit: Qty.)**<br>Price difference of the LED lighting fixture with motion sensor. | 265,00 | |
| **35.170.4000** | **LED Projectors (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any material and labor, of projectors with body and front glass frame made of injected cast aluminum, which shall be coated with oven-dried paint, equipped a tempered front glass, resistant to 250°C temperature and impacts, certified with minimum IP 65 and IK 08 degree of protection, operable at -20ºC to +65ºC, provided with the components necessary for installation (on ceiling, wall or floor) and bearing a CE compliance marking in compliance as per the standard TS EN 60598-2-5 and the 2014/35/EU Low Voltage Directive (LVD). Note: Shall have a driver with ENEC certificate or TSE product certificate, or a product certificate awarded by a notified body, and a minimum PFC value of 0.95. LEDs must be IESNA LM-80°Certified. They shall have a life cycle of minimum 50,000 (L70) hours per the TM-21 calculation table, the color rendering index (CRI) of the fixtures shall be minimum 65. The projectors shall be awarded a photometric measurement report as per IESNA LM-79 standards by an accredited laboratory, and IP degree of protection shall be tested as per the TS 3033 EN 60529 standard and IK degree of protection shall be tested as per the TS EN 62262 standard. | | |
| 35.170.4001 | LED projector light flux of minimum 3500 lm, fixture luminous efficacy of minimum 110 lm/w. | 1.150,00 | 23,50 |
| 35.170.4002 | LED projector light flux of minimum 5100 lm, fixture luminous efficacy of minimum 110 lm/w. | 1.360,00 | 23,50 |
| 35.170.4003 | LED projector light flux of minimum 6800 lm, fixture luminous efficacy of minimum 110 lm/w. | 2.030,00 | 23,50 |
| 35.170.4004 | LED projector light flux of minimum 8500 lm, fixture luminous efficacy of minimum 110 lm/w. | 2.350,00 | 23,50 |
| 35.170.4005 | LED projector light flux of minimum 12,750 lm, fixture luminous efficacy of minimum 110 lm/w. | 2.700,00 | 23,50 |
| 35.170.4006 | LED projector light flux of minimum 17,000 lm, fixture luminous efficacy of minimum 110 lm/w. | 3.230,00 | 23,50 |
| **35.170.5100** | **Fixtures with Motion Sensors: (Unit: Qty.)**<br>The fixture base shall be made of aluminum or sheet metal, equipped a opal glass diffuser, comply with IP 20 degree of protection. The internal installation shall be fireproof silicon cables. A glossy aluminum reflector shall be installed to reflect the heat and light that forms at the back of the light bulb. The detection field at the bottom of the fixture body shall be adjustable by vertical movements. The duration of activity and daylight settings shall be adjustable by the trimmers on the sensor. It shall be manufactured in compliance with the Restriction of the Use of Certain Hazardous Substances Directive, the 2014/35/EU Low Voltage Directive (LVD), and the standards TS EN 60598-1, TS 8698 EN 60598-2-1 and TS EN 60669-2-1, and released with CE marking. Supply, transportation to the work site, establishment of connections and settings, and delivery in working order, including any material and labor, of surface-mounted wall-type fixtures with digital optic detection sensor, E27 light socket, 40W glow-filament light bulbs, which shall be capable of detecting a 180° field in front of the fixture for wall-type fixtures and, and a 360° field around the fixture for ceiling-type fixtures. | | |
| 35.170.5101 | Single-light socket with minimum IP 40 degree of protection (wall type with 180º Motion Sensor) | 171,00 | 15,00 |
| 35.170.5102 | Twin-light socket with minimum IP 40 degree of protection (ceiling type with 360º Motion Sensor) | 214,00 | 15,00 |
| **35.170.5200** | **Motion Sensors: (Unit: Qty.)**<br>Supply, transportation to the work site, establishment of the connections and settings, and delivery in working order, including any material and labor, of wall-type, flush-mounted motion sensors of IP 44 degree of protection, in compliance with the Restriction of the Use of Certain Hazardous Substances Directive, the 2014/35/EU Low Voltage Directive (LVD), TS EN 60669-2-1 standards and released with a CE marking, which shall operate in 220 to 240-volt mains voltage, a temperature range of -20°C to +40°C, allow connection of loads up to 400 Watts for fluorescent lamps and up to 1000 Watts for glow-filament lamps as well as adjustment of activity period and daylight by means of trimmers. Wall-type motion sensors shall be equipped with a digital optical detector and have a detection range of 180°, and ceiling-type motion sensors shall have a detection range of 360°. | | |
| 35.170.5201 | 180º wall-type, surface-mounted motion sensor | 171,00 | 15,00 |
| 35.170.5202 | 360º ceiling-type, surface-mounted motion sensor | 204,00 | 15,00 |
| 35.170.5203 | 360º ceiling-type, flush-mounted motion sensor | 214,00 | 15,00 |
| **35.170.7000** | **FLUORESCENT FIXTURES: (Unit: Qty.)**<br>All fluorescent fixtures shall be manufactured to comply with the Restriction of the Use of Certain Hazardous Substances Directive, the 2014/35/EU Low Voltage Directive (LVD), and the standards TS EN 60598-1, TS 8698 EN 60598-2-1, TS EN 61347-1, TS EN 61347-2-3:2011 (flush-mounted ones shall also comply with the TS EN 60598-2-2 standard), | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | and released with CE marking. Also, all fluorescent fixtures shall be with electronic ballast. | | |
| **35.170.7100** | **DECORATIVE SUSPENDED CEILING FIXTURES (for Rock Wool and Plaster Suspended Ceiling) (Flush- and surface-mounted)**<br>Supply to the work site, including any material and labor, of fluorescent bulbs, fireproof, locked-type sockets, and halogen-free connection cables with electronic ballast along with fixtures coated with a special oven-dried paint of a color to be approved by the administration and of the IP 20 degree of protection (Fixture efficiency shall be minimum 70 percent. The administration may request the manufacturer to have the efficiency values tested and certified by the laboratory of a relevant organization where necessary), with minimum 0.5-mm-thick special DKP sheet metal profile; 9 to 11-cm hole in width and length to fit the type and number of the bulbs; back side strengthened with additional folds; cases featuring special air vents; special frames; installation tabs that allows easy intervention and installation; double parabolic, anodized pure aluminum reflectors extending in parallel and perpendicular to fluorescent bulbs which diffuse light symmetrically in the form of a bat wing; anodized pure aluminum reflectors, which shall be made of anodized high-purity (99.9 percent) anodized aluminum (with anodized aluminum fin strips placed at 6 to 10-cm intervals perpendicular to the fluorescent bulbs for single parabolic reflectors). | | |
| 35.170.7101 | ATY2 - 4 x 18 (with double parabolic glossy reflectors) | 787,00 | 13,20 |
| 35.170.7102 | ATY4 - 4 x 18 W (with matte or clear prismatic plexiglass | 810,00 | 13,20 |
| 35.170.7103 | ATY8 - 2 x 18 W (with double parabolic reflectors) | 588,00 | 13,20 |
| **35.170.7200** | **Fluorescent fixture Type T1:**<br>Supply, transportation to the work site, establishment of connections and settings, and delivery in working order, including any material and labor, of surface-mounted fixtures of minimum 0.50-mm-thick special iron sheet profile, with 10 to 15 cm depth, and the width and length depending on the type and number of light bulbs, 3-4 mm thickness, at least 75 percent luminous transmittance with polycarbonate cover, sheet metal or aluminum frame, electronic ballast and connection cables, including lockable light sockets. | | |
| 35.170.7201 | T1 - 1 x 20-Watt Fixture | 592,00 | 17,60 |
| 35.170.7202 | T1 - 2 x 20-Watt Fixture | 617,00 | 19,80 |
| 35.170.7203 | T1 - 1 x 40-Watt Fixture | 681,00 | 17,60 |
| 35.170.7204 | T1 - 2 x 40-Watt Fixture | 705,00 | 19,80 |
| **35.170.7300** | **Weather-proof fluorescent fixture Type U:**<br>Supply to the work site and installation in the designated location, establishment of the connections and settings, and delivery in working order, including any material and labor, of weather-proof fixtures including a fixture coated in electrostatic powder paint with minimum IP 65 degree of protection, fluorescent bulb, electronic ballast, light socket compliant with TS EN 60400 standard, with a clear polycarbonate cover, minimum 8-cm depth, width and length fitting the type and number of the bulb, which shall be sealed, hinged, can be opened, and tightened with thumb screws. | | |
| 35.170.7301 | U - 1 x 20-Watt Fixture | 350,00 | 17,60 |
| 35.170.7302 | U - 2 x 20-W Fixture (Double ballast) | 485,00 | 19,80 |
| 35.170.7303 | U - 1 x 40-Watt Fixture | 504,00 | 17,60 |
| 35.170.7304 | U - 2 x 40-Watt Fixture | 595,00 | 19,80 |
| **35.170.7400** | **Clean Room Fixtures (unit: qty.)**<br>Supply to the work site, and delivery, including any material and labor, of lighting fixtures, including halogen-free connection cables, with similar specifications as the item 35.130.7100 with the addition of a clear, opal or prismatic acrylic lens or tempered glass, single or double parabolic aluminum reflectors, electronic ballast, stainless steel bolts on the IP 65 degree of protection external frame, sheet metal components phosphate bathed and coated with epoxy polyester paint, internal connections made with halogen-free cables, which shall offer ease of maintenance with the lens or glass suspended on the body, and all parts of which shall be earthed. | | |
| 35.170.7401 | ATH-2 x 18 w | 1.020,00 | 16,80 |
| 35.170.7402 | ATH-4 x 18 w | 1.240,00 | 16,80 |
| 35.170.7403 | ATH-2 x 36 w | 1.130,00 | 16,80 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.170.7500** | **PROJECTORS WITH HALOGEN BULBS: (Unit: Qty.) (in compliance with the standards TS 8702 EN 60598-2-5 and TS EN 60598-2-5)**<br>The body of the component and the frame of the front glass shall be made of injected aluminum and coated in oven-dried paint; the reflector shall be made of an anodized pure aluminum plates; and the front glass shall be tempered and built to resist minimum 250°C or thermal shocks and impulses. The component shall be protected against dust and rain (IP 54), the part between the glass and the body shall be protected against extreme heat with silicon seal. The connection box that is installed under the body of the projector shall be heat-resistant injected plastic. Installation shall be included. Note: The bu is included in the price. | | |
| 35.170.7501 | HPR- 300 W (R 7s Twin-Socket) | 152,00 | 25,80 |
| 35.170.7502 | HPR- 500 W (R 7s Twin-Socket) | 152,00 | 25,80 |
| 35.170.7503 | HPR- 750 W (R 7s Twin-Socket) | 472,00 | 25,80 |
| 35.170.7600 | **HPR- 1000 W (R 7s Twin-Socket)**<br>Type SBPR High-Pressure Sodium Vapor Lamp Projectors. Identical with the item no. 35.170.7500 except that a tubular sodium vapor lamp and an E40/45 Goliath light socket is used (the bulb capacitor, ballast and starter are included in the price.) The post shall be paid separately if necessary. | 472,00 | 25,80 |
| 35.170.7601 | SBPR- 150 W Symmetrical reflector | 1.570,00 | 25,80 |
| 35.170.7602 | SBPR- 250 W Symmetrical reflector | 1.910,00 | 25,80 |
| 35.170.7603 | SBPR- 400 W Symmetrical reflector | 2.260,00 | 25,80 |
| 35.170.7604 | SBPR- 1000 W Symmetrical reflector | 4.440,00 | 25,80 |
| 35.170.7700 | **SBPR- 1000 W Asymmetrical reflector**<br>Type MHPR Metal Halide Lamp Projectors: Identical with 35.170.7500 except that a tubular metal halide lamp and an E 40 Goliath light socket are used (the bulb capacitor, ballast and starter are included in the price) The post shall be paid separately if necessary. | 5.730,00 | 25,80 |
| 35.170.7701 | MHPR- 250 W Symmetrical reflector | 1.990,00 | 25,80 |
| 35.170.7702 | MHPR- 400 W Symmetrical reflector | 2.050,00 | 25,80 |
| 35.170.7703 | MHPR- 1000 W Symmetrical reflector | 4.440,00 | 25,80 |
| 35.170.7704 | MHPR- 1000 W Asymmetrical reflector | 5.040,00 | 25,80 |
| **35.180.0000** | **UNINTERRUPTIBLE POWER SUPPLY (UPS): (Unit: Qty., Materials on construction site: 60%)**<br>Compliance is required with the 2014/35/EU Low Voltage Directive (LVD), the Directive (2004/108/EC) Electromagnetic Compatibility, and the Regulation on Amendment of Energy Market Customer Services published in the Official Gazette No. 26558 dated June 20, 2007. Transportation to the work site, installation (not including the cables) and delivery in working order of on-line uninterruptible power supplies in compliance with the standards of TS EN 62040-1/2/3, with a power coefficient of 0.9, input power coefficient > 0.99, and EMI/RFI filtering for all devices, input tolerance values of 380 V AC (3-phase) or 220 V AC (single-phase) ±1% and 50 Hz ±5% and an input harmonic distortion of < 8%, equipped with a static (semiconductor) by-pass switch that switches the load to the grid or the auxiliary resource in the event of overload / short circuit / output voltage running out of limits / rectifier failure / extreme temperatures / inverter failure, a built-in mechanical by-pass switch, a dry-type, maintenance-free battery pack sufficient to run the system on full load for the required period, an LCD or graphic display panel, and a backlit mimic diagram displaying the system status on the front panel, which shall supply the required power uninterruptedly for 24 hours, have a load crest factor of 3:1, fulfill output values of 380 V AC (3-phase) or 220 V AC (single-phase) ±15% and 50 Hz ±1% as well as total harmonic distortion of < 2% on linear load and < 5% on non-linear load, supply the load while charging fully discharged batteries, keep fully charged batteries at buffer charge, display the values such as current / voltage / frequency / load status / battery on the front panel, perform the inversion by IGBT using PWM (Pulse Width Modulation) to generate an ideal sine wave, and allow connection of a remote monitoring panel as well as an SNMP module.<br>NOTE:<br>1- Power per cell of the batteries proposed to the Administration shall be calculated as follows: (Device power (VA) x Output CosQ [0.9]) / Inverter efficiency (0.95) / Number of batteries / Number of cells (6)= …Watt/cell. For the calculation of the batteries, voltage per cell shall be considered 1.70 V/cell. The calculation result and the batteries proposed shall be marked in the catalog and submitted to the administration. The batteries used shall be maintenance-free and TSE-certified. | | |
| **35.180.1100** | **Uninterruptible Power Supply with 1-phase input and 1-phase output: (Unit: Qty., Materials on construction site: 60%)** | | |
| 35.180.1101 | 6 kVA, and minimum 10 minutes of battery supply time | 21.010,00 | 1.130,00 |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.180.1102 | 6 kVA, and minimum 20 minutes of battery supply time | 27.240,00 | 1.130,00 |
| 35.180.1103 | 10 kVA, and minimum 10 minutes of battery supply time | 27.380,00 | 1.130,00 |
| 35.180.1104 | 10 kVA, and minimum 20 minutes of battery supply time | 32.540,00 | 1.130,00 |
| 35.180.1105 | 15 kVA, and minimum 10 minutes of battery supply time | 48.360,00 | 1.130,00 |
| 35.180.1106 | 15 kVA, and minimum 20 minutes of battery supply time | 51.170,00 | 1.130,00 |
| **35.180.1200** | **Uninterruptible Power Supply with 1-phase input and 3-phase output: (Unit: Qty., Materials on construction site: 60%)** | | |
| 35.180.1201 | 10 kVA, and minimum 10 minutes of battery supply time | 31.460,00 | 1.600,00 |
| 35.180.1202 | 10 kVA, and minimum 20 minutes of battery supply time | 32.280,00 | 1.600,00 |
| 35.180.1203 | 15 kVA, and minimum 10 minutes of battery supply time | 49.430,00 | 1.600,00 |
| 35.180.1204 | 15 kVA, and minimum 20 minutes of battery supply time | 57.020,00 | 1.600,00 |
| 35.180.1205 | 20 kVA, and minimum 10 minutes of battery supply time | 52.830,00 | 1.600,00 |
| 35.180.1206 | 20 kVA, and minimum 20 minutes of battery supply time | 71.080,00 | 1.600,00 |
| 35.180.1207 | 40 kVA, and minimum 10 minutes of battery supply time | 110.500,00 | 1.670,00 |
| 35.180.1208 | 40 kVA, and minimum 20 minutes of battery supply time | 126.800,00 | 1.600,00 |
| **35.180.1300** | **Uninterruptible Power Supply with 3-phase input and 3-phase output (Unit: Qty., Materials on construction site: 60%)** | | |
| 35.180.1301 | 10 kVA, and minimum 10 minutes of battery supply time | 60.890,00 | 1.670,00 |
| 35.180.1302 | 10 kVA, and minimum 20 minutes of battery supply time | 64.910,00 | 1.670,00 |
| 35.180.1303 | 15 kVA, and minimum 10 minutes of battery supply time | 65.910,00 | 1.670,00 |
| 35.180.1304 | 15 kVA, and minimum 20 minutes of battery supply time | 81.640,00 | 1.670,00 |
| 35.180.1305 | 20 kVA, and minimum 10 minutes of battery supply time | 75.950,00 | 1.670,00 |
| 35.180.1306 | 20 kVA, and minimum 20 minutes of battery supply time | 87.000,00 | 1.670,00 |
| 35.180.1307 | 30 kVA, and minimum 10 minutes of battery supply time | 95.960,00 | 1.670,00 |
| 35.180.1308 | 30 kVA, and minimum 20 minutes of battery supply time | 113.200,00 | 1.670,00 |
| 35.180.1309 | 40 kVA, and minimum 10 minutes of battery supply time | 118.100,00 | 1.670,00 |
| 35.180.1310 | 40 kVA, and minimum 20 minutes of battery supply time | 139.700,00 | 1.670,00 |
| 35.180.1311 | 60 kVA, and minimum 10 minutes of battery supply time | 169.200,00 | 1.850,00 |
| 35.180.1312 | 60 kVA, and minimum 20 minutes of battery supply time | 176.200,00 | 1.850,00 |
| 35.180.1313 | 80 kVA, and minimum 10 minutes of battery supply time | 208.000,00 | 1.850,00 |
| 35.180.1314 | 80 kVA, and minimum 20 minutes of battery supply time | 252.900,00 | 1.850,00 |
| 35.180.1315 | 100 kVA, and minimum 10 minutes of battery supply time | 251.600,00 | 2.110,00 |
| 35.180.1316 | 100 kVA, and minimum 20 minutes of battery supply time | 303.000,00 | 2.110,00 |
| 35.180.1317 | 120 kVA, and minimum 10 minutes of battery supply time | 315.000,00 | 2.110,00 |
| 35.180.1318 | 120 kVA, and minimum 20 minutes of battery supply time | 331.600,00 | 2.110,00 |
| 35.180.1319 | 160 kVA, and minimum 5 minutes of battery supply time | 372.600,00 | 2.110,00 |
| 35.180.1320 | 160 kVA, and minimum 10 minutes of battery supply time | 456.300,00 | 2.110,00 |
| 35.180.1321 | 160 kVA, and minimum 15 minutes of battery supply time | 475.900,00 | 2.110,00 |
| 35.180.1322 | 160 kVA, and minimum 20 minutes of battery supply time | 555.500,00 | 2.110,00 |
| 35.180.1323 | 200 kVA, and minimum 5 minutes of battery supply time | 475.900,00 | 2.110,00 |
| 35.180.1324 | 200 kVA, and minimum 10 minutes of battery supply time | 513.500,00 | 2.110,00 |
| 35.180.1325 | 200 kVA, and minimum 15 minutes of battery supply time | 588.700,00 | 2.110,00 |
| 35.180.1326 | 200 kVA, and minimum 20 minutes of battery supply time | 621.800,00 | 2.110,00 |
| 35.180.1327 | 250 kVA, and minimum 5 minutes of battery supply time | 567.600,00 | 2.110,00 |
| 35.180.1328 | 250 kVA, and minimum 10 minutes of battery supply time | 655.600,00 | 2.110,00 |
| 35.180.1329 | 250 kVA, and minimum 15 minutes of battery supply time | 696.900,00 | 2.110,00 |
| 35.180.1330 | 250 kVA, and minimum 20 minutes of battery supply time | 781.200,00 | 2.110,00 |
| 35.180.1331 | 300 kVA, and minimum 5 minutes of battery supply time | 648.800,00 | 2.110,00 |
| 35.180.1332 | 300 kVA, and minimum 10 minutes of battery supply time | 806.700,00 | 2.110,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.180.1333 | 300 kVA, and minimum 15 minutes of battery supply time | 850.300,00 | 2.110,00 |
| 35.180.1334 | 300 kVA, and minimum 20 minutes of battery supply time | 904.500,00 | 2.110,00 |
| 35.180.1335 | 400 kVA, and minimum 10 minutes of battery supply time | 874.400,00 | 2.160,00 |
| 35.180.1336 | 400 kVA, and minimum 20 minutes of battery supply time | 1.006.800,00 | 2.160,00 |
| 35.180.1337 | 500 kVA, and minimum 10 minutes of battery supply time | 948.100,00 | 2.160,00 |
| 35.180.1338 | 500 kVA, and minimum 20 minutes of battery supply time | 1.116.600,00 | 2.160,00 |
| 35.180.1339 | 600 kVA, and minimum 10 minutes of battery supply time | 966.200,00 | 2.160,00 |
| 35.180.1340 | 600 kVA, and minimum 20 minutes of battery supply time | 1.157.100,00 | 2.160,00 |
| **35.180.1400** | **Mechanical by-pass (including the external enclosure): (Unit: Qty., Materials on construction site: 60%)** | | |
| 35.180.1401 | For 10 kVA UPS | 2.000,00 | 935,00 |
| 35.180.1402 | For 15 kVA UPS | 2.240,00 | 935,00 |
| 35.180.1403 | For 20 kVA UPS | 2.440,00 | 935,00 |
| 35.180.1404 | For 30 kVA UPS | 2.840,00 | 935,00 |
| 35.180.1405 | For 40 kVA UPS | 3.880,00 | 935,00 |
| 35.180.1406 | For 40 kVA UPS | 3.900,00 | 942,00 |
| 35.180.1407 | For 60 kVA UPS | 4.530,00 | 1.030,00 |
| 35.180.1408 | For 80 kVA UPS | 5.940,00 | 1.030,00 |
| 35.180.1409 | For 100 kVA UPS | 7.820,00 | 1.200,00 |
| 35.180.1410 | For 120 kVA UPS | 7.970,00 | 1.200,00 |
| 35.180.1411 | For 160 kVA UPS | 19.250,00 | 1.200,00 |
| 35.180.1412 | For 200 kVA UPS | 22.100,00 | 1.200,00 |
| 35.180.1413 | For 250 kVA UPS | 25.260,00 | 1.200,00 |
| 35.180.1414 | For 300 kVA UPS | 29.320,00 | 1.200,00 |
| **35.180.1500** | **Paralleling kit: (Unit: Qty., Materials on construction site: 60%)** | | |
| 35.180.1501 | For 10 kVA UPS | 5.230,00 | 1.420,00 |
| 35.180.1502 | For 15 kVA UPS | 5.260,00 | 1.420,00 |
| 35.180.1503 | For 20 kVA UPS | 5.270,00 | 1.430,00 |
| 35.180.1504 | For 30 kVA UPS | 5.380,00 | 1.460,00 |
| 35.180.1505 | For 40 kVA UPS | 5.420,00 | 1.470,00 |
| 35.180.1506 | For 60 kVA UPS | 5.540,00 | 1.500,00 |
| 35.180.1507 | For 80 kVA UPS | 5.690,00 | 1.550,00 |
| 35.180.1508 | For 100 kVA UPS | 5.780,00 | 1.590,00 |
| 35.180.1509 | For 120 kVA UPS | 5.980,00 | 1.620,00 |
| 35.180.1510 | For 160 kVA UPS | 6.120,00 | 1.670,00 |
| 35.180.1511 | For 200 kVA UPS | 7.240,00 | 1.720,00 |
| 35.180.1512 | For 250 kVA UPS | 7.280,00 | 1.760,00 |
| 35.180.1513 | For 300 kVA UPS | 7.350,00 | 1.820,00 |
| 35.180.1514 | For 400 kVA UPS | 7.350,00 | 1.820,00 |
| 35.180.1515 | For 500 kVA UPS | 8.850,00 | 1.820,00 |
| 35.180.1516 | For 600 kVA UPS | 8.850,00 | 1.820,00 |
| 35.180.1600 | **Uninterruptible power supply remote monitoring panel: (Unit: Qty., Materials on construction site: 60%)**<br>Transportation to the work site, installation (except cables) and delivery in working order of remote monitoring panels with an LCD or graphic display panel, and an easy-to-understand illuminated mimic diagram indicating the system status, which shall display the values including current, voltage, frequency, load status, battery status, battery charge and discharge current precisely in on its front panel. | 1.920,00 | 107,00 |
| 35.180.1601 | **SNMP software and adapter: (Unit: Qty., Materials on construction site: 60%)**<br>Transport to the work site, installation (cables not included), and delivery in working order, of an SNMP adapter, which enable monitoring the functions of all SNMP-compatible electronic devices on the network without any distance limitation, contain the equipment and software | 3.600,00 | 474,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | required for this functionality; operate on a TCP/IP network infrastructure; provide output power / input voltage / UPS location and functions / battery charge status / supply time / UPS temperature data; register network outages / restoration of network / frequency / alarm / shutdown / technical problem data with date and time; allow monitoring such values as the input voltage / frequency based on the past data; send a message or email automatically to an address or an address group in the event of an alarm or failure; give signals through symbols of different colors in case of normal operation - warning and a problem. | | |
| **35.180.2100** | **Modular Uninterruptible Power Supply (UPS) (Unit: Qty.)**<br>The modular uninterruptible power supply shall be made up of maximum 50-kVA hot-swappable (allowing replacement without causing an interruption in the load) modules. The UPS shall be 3-phase, suitable for continuous operation, solid-state, non-transformer, two-cycle, VFI (voltage- and frequency-independent). The UPS shall be capable of containing a sufficient amount of power modules for required power or redundancy. Each module shall load equally and simultaneously to share the critical load. The UPS shall incorporate minimum two hot-swappable modules to process the full load, and it shall be installed in a cabinet to ensure system integrity. If any of the power modules fails, the failing module should be capable of fully isolating itself automatically from the system. Replacement of modules shall not interrupt the system and can be performed while the critical load is shared on-line by other module(s). The UPS shall record shifts of grid and its reactions to such shifts. The records shall include date, time and the subject. Transportation to the work site, installation (not including the cables) and delivery in working order, including the batteries and cabinets, of modular uninterruptible power supplies with input tolerance values of 380 V AC (3-phase) ±20 percent and 50 Hz ±10 percent, a minimum output power coefficient of 0.9 and a minimum efficiency value of 0.95, an input current harmonic distortion of <3 percent and a load crest factor of 3:1, complying with the standards TS EN 62040-1, TS EN 62040-2, the 2014/35/EU Low Voltage Directive (LVD), the Directive (2004/108/EC) Electromagnetic Compatibility, and the Regulation on Amendment of Energy Market Customer Services published in the Official Gazette No. 26558 dated June 20, 2007 and bearing a CE marking, equipped with an IGBT rectifier, a static (semiconductor) by-pass switch that switches the load to the grid or the auxiliary resource in the event of overload / short circuit / output voltage running out of limits / rectifier failure / extreme temperatures / inverter failure, a built-in mechanical by-pass switch, a dry-type, maintenance-free battery pack sufficient to run the system on full load for the required period in case of a power outage, a flexible DC busbar to ensure continuity of operation, an LCD or graphic display panel, display the values such as current / voltage / frequency / load status / battery precisely on the front panel, which shall supply the required power uninterruptedly for 24 hours, fulfill the output values of 380 V AC (3-phase) ±1 percent and 50 Hz ± 0.1± as well as total harmonic distortion of < 2 percent on linear load and < 5 percent on non-linear load for the total output voltage,<br>supply the load while charging fully discharged batteries, keep fully charged batteries at buffer charge, perform the inversion by IGBT using PWM (Pulse Width Modulation) to generate an ideal sine wave, and allow the connection of a network card for remote monitoring. NOTE: 1- The battery pack used with the uninterruptible power supply shall be fully maintenance-free, dry and TSE-certified. Power per cell of the batteries proposed to the Administration shall be calculated as follows: (Device power (VA) x Output CosQ (0.9)) / Inverter efficiency (0.95) / Number of batteries / Number of cells (6)= …Watt/cell. For the calculation of the batteries, voltage per cell shall be considered 1.70 V/cell. The calculation result and proposed batteries shall be marked on the catalog and submitted to the administration. 2- Prices of the intermediate values of power shall be determined by interpolation. | | |
| 35.180.2101 | 40 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 189.600,00 | 1.540,00 |
| 35.180.2102 | 60 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 265.000,00 | 1.720,00 |
| 35.180.2103 | 80 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 347.700,00 | 1.720,00 |
| 35.180.2104 | 100 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 423.100,00 | 1.950,00 |
| 35.180.2105 | 120 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 490.700,00 | 1.950,00 |
| 35.180.2106 | 140 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 641.100,00 | 1.950,00 |
| 35.180.2107 | 160 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 678.700,00 | 1.950,00 |
| 35.180.2108 | 180 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 716.300,00 | 1.950,00 |
| 35.180.2109 | 200 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 784.000,00 | 1.950,00 |
| 35.180.2110 | 300 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity | 1.099.800,00 | 1.950,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.180.2111 | 400 kVA, and minimum 10 minutes of battery supply time, minimum 25% power increase capacity | 1.320.800,00 | 1.950,00 |
| 35.180.2112 | 500 kVA, and minimum 10 minutes of battery supply time | 1.453.100,00 | 1.950,00 |
| 35.180.2200 | 40 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 227.200,00 | 1.540,00 |
| 35.180.2201 | 60 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 287.500,00 | 1.720,00 |
| 35.180.2202 | 80 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 410.800,00 | 1.720,00 |
| 35.180.2203 | 100 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 513.300,00 | 1.950,00 |
| 35.180.2204 | 120 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 573.500,00 | 1.950,00 |
| 35.180.2205 | 140 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 693.800,00 | 1.950,00 |
| 35.180.2206 | 160 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 791.500,00 | 1.950,00 |
| 35.180.2207 | 180 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 799.100,00 | 1.950,00 |
| 35.180.2208 | 200 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 923.800,00 | 1.950,00 |
| 35.180.2209 | 300 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity | 1.220.100,00 | 1.950,00 |
| 35.180.2210 | 400 kVA, and minimum 20 minutes of battery supply time, minimum 25% power increase capacity | 1.453.100,00 | 1.950,00 |
| 35.180.2211 | 500 kVA, and minimum 20 minutes of battery supply time. | 1.596.000,00 | 1.950,00 |
| **35.180.3000** | **PROTECTION AND SAFETY INSULATION POWER SYSTEM (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site, installation in its designated location and delivery in working order, of insulation power panels fulfilling the standards TS HD 60364-7-710 and IEC 61558-2-215 with residual current of the output coil to the earth or enclosure smaller than 0.5 mA when supplied with a transformer power with a nominal output of 3.15 kVA, 4 kVA, 5kVA, 6.3 kVA, 8 kVA, or 10 kVA as well as rated voltage and nominal frequency, and with maximum 100 kohm internal impedance and maximum 24 V test current, which shall be manufactured with a metering current below 50 µA, a communication protocol and alarm display panel, and equipped with a medical insulation transformer that is capable of issuing insulation error, transformer overheat and overload errors and with an insulation monitoring device that is capable of issuing insulation errors, transformer overheat and overload errors with a toroidal current transformer, and shall also be equipped with a signal lamp that is lit green during normal operation, amber when the minimum value set for insulation resistance is reached, audible alarms, an alarm panel that can communicate with the insulation monitoring device, and 20 x two-pole automated controllers to be chosen specifically for the project, and which return to normal operation once the error is cleared. | | |
| 35.180.3001 | 3.15 kVA insulation power enclosure | 30.180,00 | 2.070,00 |
| 35.180.3002 | 4 kVA insulation power enclosure | 30.580,00 | 2.070,00 |
| 35.180.3003 | 5 kVA insulation power enclosure | 31.610,00 | 2.490,00 |
| 35.180.3004 | 6.13 kVA insulation power enclosure | 32.000,00 | 2.490,00 |
| 35.180.3005 | 8 kVA insulation power enclosure | 32.310,00 | 2.490,00 |
| 35.180.3006 | 10 kVA insulation power enclosure | 33.440,00 | 3.320,00 |
| **35.185.0000** | **PARTS OF THE INSTALLATION TO BE MADE SEPARATELY: (Materials on construction site: 60%)** | | |
| **35.185.1100** | **SWITCHES: (Unit: Qty.)**<br>Supply, transportation to the work site, and installation, including its casing, any small material and labor, of regular switches compliant with TS EN 60669-1 with contacts and threaded connection terminals resistant to at least 250 V and 6 A, and fireproof housing and cover. | | |
| 35.185.1101 | Flush-mounted regular switch | 24,00 | 5,35 |
| 35.185.1102 | Flush-mounted commutator switch | 23,50 | 5,35 |
| 35.185.1103 | Flush-mounted two-way switch | 23,30 | 5,35 |
| 35.185.1104 | Flush-mounted deviator switch | 25,00 | 5,35 |
| 35.185.1110 | Surface-mounted regular switch | 22,40 | 5,35 |
| 35.185.1111 | Surface-mounted commutator switch | 24,70 | 5,35 |
| 35.185.1112 | Surface-mounted two-way switch | 24,00 | 5,35 |
| 35.185.1113 | Surface-mounted deviator switch | 24,70 | 5,35 |
| 35.185.1120 | Weather-proof regular switch | 28,40 | 5,35 |
| 35.185.1121 | Weather-proof commutator switch | 31,00 | 5,35 |
| 35.185.1122 | Weather-proof two-way switch | 31,20 | 5,35 |
| 35.185.1123 | Weather-proof deviator switch | 30,80 | 5,35 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.185.1200** | **POWER OUTLETS: (Unit: Qty.)**<br>Supply and installation, including its casing, any small material and labor, of regular power sockets in compliance with the TS 40, with contacts that can be connected to the security line, and threaded connection terminals resistant to 250 V and 10 A, and fireproof housing. | | |
| 35.185.1201 | Flush-mounted earthed socket | 24,50 | 5,35 |
| 35.185.1202 | Surface-mounted earthed socket | 26,90 | 5,35 |
| 35.185.1203 | **Weather proof power socket**<br>Fully weather-proof power socket with injected aluminum housing, porcelain base, brass contacts, cover and earthing, and with conductor inlets equipped with rubber seal tips, which shall be resistant to moisture and weather conditions, and awarded at least a certificate of compliance with Turkish Standards. | 35,40 | 5,35 |
| 35.185.1250 | **Flush-mounted junction box: (Unit: Qty.)**<br>Supply, transportation to the work site, and delivery, including any material and labor, of conductors to be flush mounted and extended with attachment that can resist up to 250 V, and junction boxes with ring (torus) terminal blocks, which shall be made of minimum 0.35-mm sheet metal or PVC housing and covers in compliance with TS-3066. | 6,55 | 4,25 |
| 35.185.1251 | **Surface-mounted junction box: (Unit: Qty.)**<br>Surface-mounted junction box identical with the Item No. 35.185.1250 except that it shall be made of PVC or fireproof material in compliance with TS 3112. | 5,80 | 4,25 |
| 35.185.1252 | **Weather-proof junction box: (Unit: Qty.)**<br>Supply, transportation to the work site, and installation in its designated location, including any material and labor, of weather-proof junction boxes with cable inlets equipped with rubber seal tips, which shall be identical with the Unit Price No. 35.185.1250 except that the switches and the materials used shall be resistant to moisture and weather conditions, and fulfill the standard TS EN 61386-1 or above. | 17,70 | 4,45 |
| 35.185.1260 | Supply to the work site and installation of regular start-stop buttons. (Unit: Qty.) | 51,50 | 4,30 |
| 35.185.1261 | Supply to the work site and installation of weather-proof start-stop buttons (Unit: Qty.) | 61,50 | 4,30 |
| **35.185.1700** | **Emergency Stop Button (Unit: Qty.)**<br>Supply, transportation to the work site, installation, establishment of connections and delivery in working order of plastic emergency mushroom buttons Ø40 or Ø60 mm in diameter with exposed and covered dry contacts and special adhesive that is not affected by heat and moisture, and designed for emergency stop, emergency start, emergency inactivation, and emergency activation, which shall break the system's power and switch it to the safe mode, not re-activate the system unless the button is rotated, restore to the original position when the head of the button is rotated manually, in compliance with the standards TS EN 60947-5-1, TS EN 60947-5-5/A1 and TS EN ISO 13850, manufactured with the laser inscription technique against deletion and fading, bearing a designation of "Acil Durdurma" or "Emergency Stop" in black on a yellow background,<br>a circular warning sign 60, 75 or 90 mm in diameter and a CE marking, and in compliance with the 2014/35/EU Low Voltage Directive (LVD). | | |
| 35.185.1701 | 2 poles (1 NA + 1 NK contacts), Ø40-mm mushroom head | 50,00 | 20,50 |
| 35.185.1702 | 2 poles (1 NA + 1 NK contacts), Ø60-mm mushroom head | 62,00 | 20,50 |
| **35.185.1750** | **Emergency Stop Button Box (Unit: Qty.)**<br>Supply, transportation to the work site, installation and establishment of connections, and delivery in working order, including any material and labor, of weather-proof, fireproof, flame-retardant and halogen-free casings made up of two parts - yellow top, black or gray bottom - with stainless steel cover screws, factory-drilled cable holes and sealed PVC sleeves matching the cable diameter on the body, for installation of the emergency stop button on a wall, which shall be in compliance with TS EN 60670-1, IP 65 degree of protection and CE certified. | | |
| 35.185.1751 | Single button casing | 61,50 | 20,50 |
| **35.185.1800** | **3-PHASE PLUGS, SOCKETS AND INSTALLATION: (Unit: Qty., Materials on construction site: 60%) (TS-40).** | | |
| **35.185.1810** | **Supply and installation in designated locations, including any material and labor, of 3-phase bakelite power sockets and plugs with covers and earth contacts. (TS-40).** | | |
| 35.185.1811 | Up to 3 x 25 A | 29,00 | 8,80 |
| 35.185.1812 | Up to 3 x 60 A | 40,90 | 8,80 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.190.0000** | **CABLE CARRIAGE SYSTEMS** | | |
| 35.190.1100 | **Cable Tray Systems: (Unit: kg) Materials on construction site: 60%)**<br>Bending and drilling holes on the sheet metal with sufficient width and height to carry the cable load, designed in compliance with the standard TS EN 61537, dimensions specified in the approved electricity project, the general technical specifications for electricity, and the standard TS EN 10130/10131, making grooves on the tray to lay transversal and longitudinal strings on the (reinforced) tray to enhance the strength and prevent further bending of the sheet metal, subjecting the tray to a chemical bath to remove grease and rust, flux coating and pre-drying the tray, then hot dip galvanizing the tray in compliance with the standard TS EN ISO 1461, transportation to the work site, installation on the ceiling or walls with suspenders or consoles, and delivery in working order, including any material and labor, of the tray.<br>NOTE:<br>1- Only the weight of the tray shall be considered for measuring.<br>2- The attachment parts to be used for horizontal and vertical deflection, reducers, the consoles to be used as carriers, support rods, suspension elements, fixing clips, screws, nuts, washers, pins, etc. shall also be hot dip galvanized. The prices of such items shall be included in the unit price and not charged additionally.<br>3- The manufacturer of hot tip galvanization shall be required to present a certificate of compliance with the conditions of TS EN ISO 1461. | 65,00 | 6,05 |
| 35.190.1101 | **Cable Tray Systems, Sheet Metal Covers: (Unit: kg)**<br>Delivery of sheet metal covers as per the item 35.190.1100 to cover the ducts specified in the approved project design, including labor and any material. | 48,70 | 2,50 |
| 35.190.1102 | **Cable Ladders: (Unit: kg)**<br>Delivery of cable ladders as per the item 35.190.1100 as specified in the approved project design, including labor and any material. | 54,50 | 4,05 |
| 35.190.1200 | **Under-floor (Under-screed) Cable Ducts (Unit: kg)**<br>Cutting and bending minimum 1.5-mm-thick, “pre-galvanized” sheet metal in compliance with TS EN 10143 to turn it into a sealed channel in the dimensions mentioned below, creating compartments by modifying the form of the channel, transportation to the work site, installation in the flooring material by adjusting the channel and junction box heights by set screws, placement of junction boxes at necessary locations, laying guide wires in the channel (applying “Rabitz wire” on the channel in case of an insufficient thickness of screed on the channel), in compliance with the standards TS EN 50085-1 and TS EN 50085-2-2, dimensions specified in the approved electrical installation project design, and the general specifications of the electrical installation for safe installation of power cables beneath the floor, and delivery including labor and any material. NOTE: 1- The attachment parts to be used for horizontal and vertical deflection, four-point attachment parts, level adjustment unit, cable duct junctions with outlets in four directions, duct termination units, cable duct outlet boxes, anchors, screws, nuts, washers etc. shall also be hot-dip galvanized. The cable duct junction and multi-socket box shall be charged separately based on the relevant unit prices. 2- If rabitz wires are used on the cable duct, they shall be charged separately based on the relevant unit price. | 61,50 | 5,05 |
| 35.190.1201 | **Underfloor Cable Duct Junction Box (Unit: Qty.)**<br>Supply, transportation to the work site, and delivery in working order, including labor and installation, of cable duct junction boxes with the side surfaces on four sides available for drilling to install the cable duct; minimum 2-mm-thick bottom, top frame and lockable top cover for use as a distribution junction; stoppers to prevent the duct from penetrating into the junction box; outlets on four sides; decorative appearance; a mechanism that allows height adjustment before and after the screed; and barriers of different types within the junction box to prevent the contact between different types of cables, which shall be used at deflection points of the floor duct or where a power outlet or any other outlet is required, made of pre-galvanized steel sheet as per TS EN 10143, and comply with the standards TS EN 50085-1 and TS EN 50085-2-2 as well as the dimensions and general technical specifications provided in the approved electricity project design. | 167,00 | 5,05 |
| 35.190.1202 | **Under-Screed or Elevated Floor Multi-Socket Box (Unit: Qty.)**<br>Supply, transportation to the work site, installation, and delivery in working order, including any material and labor, of flame-retardant, halogen-free socket housings with special ducts fitting the junction for installation; interfaces with the floor or junction box sized minimum 235 x 235 mm; the periphery of the housing reinforced with minimum 3-mm-thick galvanized steel sheet; iron hinge pin, a lockable cover with embedded handle, which can be installed in both directions; the top surface of the cover allowing decorative coating (designed to be flush with the floor when coated); openings covered with rubber caps to allow extension of plug | 167,00 | 5,05 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | cables; special inclined slots placed opposite to each other to allow installation of 8 sockets of 45 x 45 modules and 16 sockets of 22.5 x 45 modules; and a mechanism to allow adjustment to the level of the floor, which shall be in compliance with the standards TS EN 50085-1 and TS EN 50085-2-2, the dimensions given in approved electricity project design and the general specifications of the electrical installation. Note: The sockets shall be charged based on the relevant items. | | |
| **35.190.1300** | **PVC Cable Ducts: (Unit: m)**<br>Supply, transportation to the work site, installation in its designated location, establishment of the connections, and delivery, including internal corners, external corners, brackets, terminals, T-brackets and frames, of flame-retardant in compliance with TS EN 60695-2-11 standard, RAL 9010 white (with internal locking and foil coating for the ducts sized 100 mm and above), self-extinguishing PVC ducts resistant to mechanical impacts, atmospheric and UV rays, and 260 kW/cm dielectric current, operable in an ambient temperature range of -25 C to +60°C, designed for safe carriage of high and low current conductors within the building, equipped with hinged and movable internal corner, external corners and brackets, and horizontal and vertical installation holes at the bottom to facilitate wall installation, which shall comply with the standards TS EN 50085-1, TS EN 50085-2-1, bear IP 40 degree of protection, was released with CE marking, and comply with the Restriction of the Use of Certain Hazardous Substances (RoHS) Directive. | | |
| 35.190.1301 | Min. 20 x 12 mm (single cell) | 14,20 | 6,50 |
| 35.190.1302 | Min. 40 x 16 mm (double cell) | 17,10 | 6,50 |
| 35.190.1303 | Min. 80 x 20 mm (triple cell) | 31,20 | 6,50 |
| 35.190.1304 | Min. 100 x 35 mm (triple cell) | 56,50 | 8,40 |
| 35.190.1305 | Min. 100 x 50 mm (triple cell) | 90,00 | 9,95 |
| **35.190.1350** | **Floor-mounted (herringbone) PVC cable ducts (Unit: m)**<br>Identical with Unit Price No. 35.190.1300, with 3 or 4 cells, gray or white; | | |
| 35.190.1351 | Min. 50 x 12 mm | 27,90 | 6,25 |
| 35.190.1352 | Min. 60 x 15 mm | 33,20 | 6,50 |
| 35.190.1353 | Min. 75 x 20 mm | 37,80 | 6,50 |
| 35.190.1354 | Min. 90 x 20 mm | 44,40 | 6,50 |
| **35.190.1400** | **Halogen-free Plastic Cable Ducts (Unit: Mt)**<br>Supply, transportation to the work site, installation in its designated location, establishment of the connections, and delivery, including internal corners, external corners, brackets, terminals, T-brackets and frames, of flame-retardant, halogen-free, RAL 9010 white (with internal locking and foil coating for the ducts sized 100 mm and above), plastic ducts resistant to mechanical impacts, atmospheric and UV rays, and 260 kW/cm dielectric current, operable in an ambient temperature range of -25 C to +60°C, used for carriage of high and low current conductors within the building, equipped with hinged and movable internal corner, external corners and brackets, and horizontal and vertical installation holes at the bottom to facilitate wall installation, which shall comply with the standards TS EN 50085-1, TS EN 50085-2-1 and TS EN60695-2-11, bear IP 40 degree of protection and CE marking, and comply with the Restriction of the Use of Certain Hazardous Substances (RoHS) Directive. | | |
| 35.190.1401 | Min. 100 x 50 mm (triple cell) | 188,00 | 9,95 |
| **35.190.1700** | **Cable Duct Sockets (Unit: Qty.)**<br>Supply, transportation to the work site, installation, and delivery in working order, including any material and labor, of sockets made of flame-retardant (UL94 V0) material (clamping or sliding type) in compliance with the standard TS IEC 60884-1+A1+A2 for earthed mains and UPS sockets, with regular or 45°-inclined holes, child safety covers, IP 20 degree of protection, transparent label covers above the sockets, RJ-45 data sockets with spring covers, RJ-11 or RJ-12 telephone sockets with spring covers, which shall allow connection among the sockets by attachment busbars, and support both T568A and T568B connection types (Prices of the socket installation sets and frames are included in the unit price). | | |
| 35.190.1701 | Earthed socket 16 A. - 250 V. (45 x 45 mm) | 27,40 | 5,35 |
| 35.190.1702 | Earthed UPS socket (red) 16 A. - 250 V. (45 x 45 mm) | 30,00 | 5,35 |
| 35.190.1703 | RJ-11 or RJ-12 telephone sockets (6 contacts) (22.5 x 45 mm) | 33,30 | 5,35 |
| 35.190.1704 | CAT 5e or CAT 6e RJ-45 data sockets (8 contacts) (22.5 x 45 mm) | 43,20 | 5,35 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.195.0000** | **ELECTRICAL MOTORS: (Unit: Qty., Materials on construction site: 70%)**<br>Shall be in compliance with the standards TS EN 50347, TS EN 60034-1/8/9/11/14, TS EN 60038, TS EN 60085, Directive (2006/42/EC) Machinery, the 2014/35/EU Low Voltage Directive (LVD) and the "Communique (SGM-2012/2) on the requirements of environmentally-friendly design for Electrical Motors", and bear a CE marking. | | |
| **35.195.1100** | **3-phase 3000 rpm: (Unit: Qty.)**<br>Supply to the work site, installation, and delivery in working order, of enclosed electrical motors with three phases, short circuit cage, 3000 rpm synchronous speed and two-pole, 220/380-volt, asynchronous motor certified for compliance with the Turkish Standards. (The compensation capacitor required to be installed shall be charged separately.) | | |
| 35.195.1101 | Max. 0.18 kW | 937,00 | 81,00 |
| 35.195.1102 | Max. 0.25 kW | 946,00 | 81,00 |
| 35.195.1103 | Max. 0.37 kW | 1.030,00 | 81,00 |
| 35.195.1104 | Max. 0.55 kW | 1.110,00 | 81,00 |
| 35.195.1105 | Max. 0.75 kW | 1.240,00 | 101,00 |
| 35.195.1106 | Max. 1.1 kW | 1.350,00 | 101,00 |
| 35.195.1107 | Max. 1.5 kW | 1.460,00 | 110,00 |
| 35.195.1108 | Max. 2.2 kW | 1.730,00 | 110,00 |
| 35.195.1109 | Max. 3 kW | 2.190,00 | 132,00 |
| 35.195.1110 | Max. 4 kW | 3.030,00 | 132,00 |
| 35.195.1111 | Max. 5.5 kW | 4.260,00 | 146,00 |
| 35.195.1112 | Max. 7.5 kW | 4.800,00 | 146,00 |
| 35.195.1113 | Max. 11 kW | 6.740,00 | 158,00 |
| 35.195.1114 | Max. 15 kW | 7.940,00 | 175,00 |
| 35.195.1115 | Max. 18.5 kW | 9.260,00 | 197,00 |
| 35.195.1116 | Max. 22 kW | 12.100,00 | 223,00 |
| 35.195.1117 | Max. 30 kW | 16.300,00 | 257,00 |
| 35.195.1118 | Max. 37 kW | 18.310,00 | 288,00 |
| 35.195.1119 | Max. 45 kW | 25.950,00 | 314,00 |
| 35.195.1120 | Max. 55 kW | 33.650,00 | 402,00 |
| 35.195.1121 | Max. 75 kW | 41.250,00 | 402,00 |
| 35.195.1122 | Max. 100 kW | 61.830,00 | 479,00 |
| **35.195.1200** | **3-PHASE 1500 rpm: (Unit: Qty.)**<br>Supply to the work site, installation, and delivery in working order, of enclosed rotors with three phases, short circuit cage, 1500 rpm synchronous speed and two pairs of poles, 220/380-volt, asynchronous motor certified for compliance with the Turkish Standards. | | |
| 35.195.1201 | Max. 0.12 kW | 817,00 | 81,00 |
| 35.195.1202 | Max. 0.18 kW | 911,00 | 81,00 |
| 35.195.1203 | Max. 0.25 kW | 968,00 | 81,00 |
| 35.195.1204 | Max. 0.37 kW | 1.030,00 | 81,00 |
| 35.195.1205 | Max. 0.55 kW | 1.130,00 | 81,00 |
| 35.195.1206 | Max. 0.75 kW | 1.350,00 | 101,00 |
| 35.195.1207 | Max. 1.1 kW | 1.540,00 | 101,00 |
| 35.195.1208 | Max. 1.5 kW | 1.760,00 | 110,00 |
| 35.195.1209 | Max. 2.2 kW | 2.180,00 | 110,00 |
| 35.195.1210 | Max. 3 kW | 2.610,00 | 132,00 |
| 35.195.1211 | Max. 4 kW | 3.310,00 | 132,00 |
| 35.195.1212 | Max. 5.5 kW | 4.390,00 | 146,00 |
| 35.195.1213 | Max. 7.5 kW | 5.310,00 | 146,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.195.1214 | Max. 11 kW | 7.490,00 | 158,00 |
| 35.195.1215 | Max. 15 kW | 9.080,00 | 175,00 |
| 35.195.1216 | Max. 18.5 kW | 10.500,00 | 197,00 |
| 35.195.1217 | Max. 22 kW | 12.590,00 | 223,00 |
| 35.195.1218 | Max. 30 kW | 17.230,00 | 257,00 |
| 35.195.1219 | Max. 37 kW | 21.350,00 | 288,00 |
| 35.195.1220 | Max. 45 kW | 23.920,00 | 314,00 |
| 35.195.1221 | Max. 55 kW | 27.040,00 | 402,00 |
| 35.195.1222 | Max. 75 kW | 36.260,00 | 402,00 |
| 35.195.1223 | Max. 100 kW | 56.670,00 | 479,00 |
| **35.195.1300** | **3-PHASE 1000 rpm: (Unit: Qty.)**<br>Supply to the work site, installation, and delivery in working order, of enclosed rotors with three phases, short circuit cage, 1000 rpm synchronous speed and three pairs of poles, 220/380-volt, asynchronous motor certified for compliance with the Turkish Standards. | | |
| 35.195.1301 | Max. 0.18 kW | 1.010,00 | 69,00 |
| 35.195.1302 | Max. 0.25 kW | 1.090,00 | 69,00 |
| 35.195.1303 | Max. 0.37 kW | 1.320,00 | 81,00 |
| 35.195.1304 | Max. 0.55 kW | 1.440,00 | 81,00 |
| 35.195.1305 | Max. 0.75 kW | 1.710,00 | 101,00 |
| 35.195.1306 | Max. 1.1 kW | 2.010,00 | 101,00 |
| 35.195.1307 | Max. 1.5 kW | 2.580,00 | 110,00 |
| 35.195.1308 | Max. 2.2 kW | 3.330,00 | 110,00 |
| 35.195.1309 | Max. 3 kW | 4.320,00 | 132,00 |
| 35.195.1310 | Max. 4 kW | 4.760,00 | 132,00 |
| 35.195.1311 | Max. 5.5 kW | 5.310,00 | 146,00 |
| 35.195.1312 | Max. 7.5 kW | 7.420,00 | 146,00 |
| 35.195.1313 | Max. 11 kW | 8.930,00 | 158,00 |
| 35.195.1314 | Max. 15 kW | 12.590,00 | 175,00 |
| 35.195.1315 | Max. 18.5 kW | 15.690,00 | 197,00 |
| 35.195.1316 | Max. 22 kW | 18.820,00 | 223,00 |
| 35.195.1317 | Max. 30 kW | 23.870,00 | 257,00 |
| 35.195.1318 | Max. 37 kW | 29.500,00 | 257,00 |
| 35.195.1319 | Max. 45 kW | 38.090,00 | 307,00 |
| 35.195.1320 | Max. 55 kW | 46.420,00 | 402,00 |
| **35.200.0000** | **PHOTOVOLTAIC SOLAR POWER SYSTEMS** | | |
| **35.200.1000** | **Photovoltaic Panels: (Unit: Qty.)**<br>Photovoltaic panels shall be of the number and energy capacity provided in the relevant project design in 1,000 W/m² radiation, AM 1.5 air mass and 25˚C cell temperature conditions (in standard test conditions). The instantaneous power output tolerance of solar panels shall be maximum +3 percent. The panels shall be equipped with by-pass diodes against power drops caused by shading. Panels shall be protected to prevent passage of current when no power is generated. The panels shall have a minimum system voltage of 1000 V and a maximum short inverse current protection of 15 A. Panel frames shall be pressed and also punched. A drainage hole, earthing hole and installation holes shall be available on the frame. Installation shall be made without bolts. The frame shall be corrosion-resistant and rust-free. The frame shall be designed to allow installation without drilling, etc. The glass/plastic covering the solar panels shall not reflect the sun rays. The glass shall be tempered per the standard EN 12150 and offer 91 percent permeability. The strength of the glass estimated per EN 12150 shall be 90 N/mm². The solar panels and fittings shall be resistant to minimum 130 km/h or 2400 Pascal wind speed and snow load (minimum 5400 Pascal). The terminal boxes of panels shall be of minimum IP 65 protection class. The back side of the panels shall comply with TS EN 61730-1 and allow installation of the panels at the relevant area. (+) and (-) terminals of the | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | DC output cables and connectors of the panels shall be distinguishable. Cells used in the panels shall be laminated in both directions with ethylene-vinyl acetate (EVA) that complies with the standard TS EN 61215. The panels shall be capable of operating at -40°C to +85°C, at the elevation of the designated location of installation, and under a relative humidity of 0 to 85 percent, and compliance of the panels with the said conditions shall be guaranteed in written by the manufacturer. The photovoltaic panels shall be guaranteed for 10 (ten) years for product and physical strength, and 25 (twenty-five) years for linear energy. The linear energy warranty shall ensure minimum 90 percent of the panel power in 10 (ten) years and minimum 80 percent of the panel power in 25 (twenty-five) years. Above each panel shall be a product label affixed by the manufacturer, which at least contains the Manufacturer's name, PV Cell Type, Serial No, Nominal Power, Pmax, Voc, Isc, Dimensions and Max. System Voltage, Date of Production, and Country of Origin. Product labels shall be affixed beneath the glass, at the back of the product or on the edge of the frame in an indelible form. The contractor should submit to the Administration the flash test and EL (electroluminescence) test reports of the proposed panels in digital media before the installation of the panels on site. The faults or critical cracks in panel cells, if any, shall be identified by the test reports, and those panels which are not approved shall not be used on site. The installation shall not commence before the said test reports are delivered. If the installation site is located by the sea, the result of the salt water corrosion strength with minimum magnitude of 3 per TS EN 61701 shall be submitted to the Administration. If the installation site is located close to a farm, the result of the ammonia corrosion test per TS EN 62716 shall be submitted to the Administration. Those panels which fail to fulfill the standards required by the environmental conditions shall not be used in the system.<br>The maximum period between the dates of production and transportation to the site of the panels to be used in the system shall be 3 (three) months. Supply, transportation to the work site and delivery in working order, including the connectors, any material and installation, of photovoltaic panels manufactured in compliance with the standards TS EN 61215, TS EN 61730-1 and TS EN 61730-2 and released with a CE marking.<br>Note: The items 111-100, 111-200 or 111-300 shall be used for panel carrier systems. | | |
| **35.200.1100** | **Photovoltaic Panels with minimum 60 cells:** | | |
| 35.200.1101 | Photovoltaic panel with minimum 270 Wp output power. | 2.130,00 | 25,00 |
| 35.200.1102 | Photovoltaic panel with minimum 275 Wp output power. | 2.180,00 | 25,00 |
| 35.200.1103 | Photovoltaic panel with minimum 280 Wp output power. | 2.210,00 | 25,00 |
| 35.200.1104 | Photovoltaic panel with minimum 285 Wp output power. | 2.270,00 | 25,00 |
| 35.200.1105 | Photovoltaic panel with minimum 290 Wp output power. | 2.300,00 | 25,00 |
| 35.200.1106 | Photovoltaic panel with minimum 295 Wp output power. | 2.410,00 | 25,00 |
| 35.200.1107 | Photovoltaic panel with minimum 300 Wp output power. | 2.440,00 | 25,00 |
| 35.200.1108 | Photovoltaic panel with minimum 305 Wp output power. | 2.510,00 | 25,00 |
| 35.200.1109 | Photovoltaic panel with minimum 310 Wp output power. | 2.540,00 | 25,00 |
| 35.200.1110 | Photovoltaic panel with minimum 315 Wp output power. | 2.580,00 | 25,00 |
| 35.200.1111 | Photovoltaic panel with minimum 320 Wp output power. | 2.640,00 | 25,00 |
| 35.200.1112 | Photovoltaic panel with minimum 325 Wp output power. | 2.690,00 | 25,00 |
| 35.200.1113 | Photovoltaic panel with minimum 330 Wp output power. | 2.760,00 | 25,00 |
| 35.200.1114 | Photovoltaic panel with minimum 335 Wp output power. | 2.820,00 | 25,00 |
| **35.200.1200** | **Photovoltaic Panels with minimum 72 cells:** | | |
| 35.200.1201 | Photovoltaic panel with minimum 320 Wp output power. | 2.340,00 | 29,90 |
| 35.200.1202 | Photovoltaic panel with minimum 325 Wp output power. | 2.410,00 | 29,90 |
| 35.200.1203 | Photovoltaic panel with minimum 330 Wp output power. | 2.420,00 | 29,90 |
| 35.200.1204 | Photovoltaic panel with minimum 335 Wp output power. | 2.460,00 | 29,90 |
| 35.200.1205 | Photovoltaic panel with minimum 340 Wp output power. | 2.500,00 | 29,90 |
| 35.200.1206 | Photovoltaic panel with minimum 345 Wp output power. | 2.550,00 | 29,90 |
| 35.200.1207 | Photovoltaic panel with minimum 350 Wp output power. | 2.610,00 | 29,90 |
| 35.200.1208 | Photovoltaic panel with minimum 355 Wp output power. | 2.650,00 | 29,90 |
| 35.200.1209 | Photovoltaic panel with minimum 360 Wp output power. | 2.700,00 | 29,90 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.200.1210 | Photovoltaic panel with minimum 365 Wp output power. | 2.750,00 | 29,90 |
| 35.200.1211 | Photovoltaic panel with minimum 370 Wp output power. | 2.800,00 | 29,90 |
| 35.200.1212 | Photovoltaic panel with minimum 375 Wp output power. | 2.870,00 | 29,90 |
| 35.200.1213 | Photovoltaic panel with minimum 380 Wp output power. | 2.900,00 | 29,90 |
| 35.200.1214 | Photovoltaic panel with minimum 385 Wp output power. | 2.990,00 | 29,90 |
| 35.200.1215 | Photovoltaic panel with minimum 390 Wp output power. | 3.030,00 | 29,90 |
| 35.200.1216 | Photovoltaic panel with minimum 395 Wp output power. | 3.090,00 | 29,90 |
| 35.200.1217 | Photovoltaic panel with minimum 400 Wp output power. | 3.170,00 | 29,90 |
| **35.200.4100** | **Two-sided (glass-glass) Photovoltaic Panels (Unit: Qty.)**<br>Photovoltaic panels shall be of the number and energy capacity provided in the relevant project design in 1,000 W/m² radiation, AM 1.5 air mass and 25˚C cell temperature conditions (in standard test conditions). These panels shall be Bifacial. They shall be double glazed. The type of solar cell used shall be capable of generating Mono Bifacial or Mono PERC Bifacial power. Front and back sides of the cells shall be laminated with glass. The instantaneous power output tolerance of solar panels shall be maximum 0 to 5W. The panels shall be equipped with by-pass diodes against power drops caused by shading. The panels shall have a system voltage of minimum 1,000 V and maximum 1,500 V, and a maximum short inverse current protection of 15 A. The glass covering the solar panels shall not reflect the sun rays. The front glass and the rear glass shall be tempered per the standard EN 12150 and offer 91 percent permeability. The strength of the glass estimated per EN 12150 shall be 90 N/mm². The solar panels and fittings shall be resistant to minimum 130 km/h or minimum 2,400 Pascal wind speed and snow load (minimum 5,400 Pascal). The terminal boxes of panels shall be of minimum IP 65 protection class. (+) and (-) terminals of the DC output cables and connectors of the panels shall be distinguishable. Bifacial cells that are used in the panels shall be laminated in both directions with ethylene-vinyl acetate (EVA) that complies with the standard TS EN 61215. The EVA material used shall be transparent for solar energy transmittance. The panels shall not have a backsheet. The panels shall be capable of operating at -40°C to +85°C, at the elevation of the designated location of installation, and under a relative humidity of 0 to 85 percent, and compliance of the panels with the said conditions shall be guaranteed in written by the manufacturer. The photovoltaic panels shall be guaranteed for 10 (ten) years for product and physical strength, and 25 (twenty-five) years for linear energy. The linear energy warranty shall ensure minimum 90 percent of the panel power in 10 (ten) years and minimum 80 percent of the panel power in 25 (twenty-five) years. Above each panel shall be a product label affixed by the manufacturer, which at least contains the Manufacturer’s name, PV Cell Type, Serial No, Nominal Power, Pmax, Voc, Isc, Dimensions and Max. System Voltage, Date of Production, and Country of Origin. Product labels shall be affixed beneath the glass, at the back of the product or on the edge of the frame in an indelible form. The contractor should submit to the Administration the flash test and EL (electroluminescence) test reports of the proposed panels in digital media before the installation of the panels on site. The faults or critical cracks in panel cells, if any, shall be identified by the test reports, and those panels which are not approved shall not be used on site. The installation shall not commence before the said test reports are delivered. If the installation site is located by the sea, the result of the salt water corrosion strength with minimum magnitude of 3 per TS EN 61701 shall be submitted to the Administration. If the installation site is located close to a farm, the result of the ammonia corrosion test per TS EN 62716 shall be submitted to the Administration. Those panels which fail to fulfill the standards required by the environmental conditions shall not be used in the system.<br>The maximum period between the dates of production and transportation to the site of the panels to be used in the system shall be 3 (three) months. Supply, transportation to the work site and delivery in working order, including the connectors, any material and installation, of photovoltaic panels manufactured in compliance with the standards TS EN 61215, TS EN 61730-1 and TS EN 61730-2 and released with a CE marking.<br>Note: The items 111-100, 111-200 or 111-300 shall be used for panel carrier systems. | | |
| **35.200.4200** | **Two-sided Photovoltaic Panels with minimum 60 cells:** | | |
| 35.200.4201 | Photovoltaic panel with minimum front panel output power of 300 Wp. | 2.690,00 | 25,00 |
| 35.200.4202 | Photovoltaic panel with minimum front panel output power of 305 Wp. | 2.750,00 | 25,00 |
| 35.200.4203 | Photovoltaic panel with minimum front panel output power of 310 Wp. | 2.800,00 | 25,00 |
| 35.200.4204 | Photovoltaic panel with minimum front panel output power of 315 Wp. | 2.860,00 | 25,00 |
| 35.200.4205 | Photovoltaic panel with minimum front panel output power of 320 Wp. | 2.910,00 | 25,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.200.4206 | Photovoltaic panel with minimum front panel output power of 325 Wp. | 2.970,00 | 25,00 |
| 35.200.4207 | Photovoltaic panel with minimum front panel output power of 330 Wp. | 3.010,00 | 25,00 |
| 35.200.4208 | Photovoltaic panel with minimum front panel output power of 335 Wp. | 3.110,00 | 25,00 |
| **35.200.4300** | **Two-sided Photovoltaic Panels with minimum 72 cells: (Unit: Pcs.)** | | |
| 35.200.4301 | Photovoltaic panel with minimum front panel output power of 360 Wp. | 3.280,00 | 25,00 |
| 35.200.4302 | Photovoltaic panel with minimum front panel output power of 365 Wp. | 3.330,00 | 25,00 |
| 35.200.4303 | Photovoltaic panel with minimum front panel output power of 370 Wp. | 3.430,00 | 25,00 |
| 35.200.4304 | Photovoltaic panel with minimum front panel output power of 375 Wp. | 3.500,00 | 25,00 |
| 35.200.4305 | Photovoltaic panel with minimum front panel output power of 380 Wp. | 3.530,00 | 25,00 |
| 35.200.4306 | Photovoltaic panel with minimum front panel output power of 385 Wp. | 4.220,00 | 25,00 |
| 35.200.4307 | Photovoltaic panel with minimum front panel output power of 390 Wp. | 5.070,00 | 25,00 |
| 35.200.4308 | Photovoltaic panel with minimum front panel output power of 395 Wp. | 6.070,00 | 25,00 |
| 35.200.4309 | Photovoltaic panel with minimum front panel output power of 400 Wp. | 7.270,00 | 25,00 |
| **35.200.5000** | **Solar Inverter: (Unit: Qty.)(output voltage below 400 VAC)**<br>Maximum input voltage shall be minimum 1000 VDC.<br>For 15 kW and above, the inverters shall have at least 98% maximum efficiency and 97% Euro efficiency. For below 15 kW, the maximum efficiency shall be at least 97%, and the Euro efficiency shall be at least 96%. The inverters shall be equipped with a RS485 communication port. THD (Total Harmonic Distortion) of the inverters shall be < %3. The environmental protection of the inverters shall be minimum IP 65. The operating temperature range shall be -25ºC to +60°C. The grid operating frequency range shall be 47 to 52 Hz. The grid operating voltage range (phase-neutral) shall be 190 to 270 V. The ambient relative humidity shall be up to 95%. The inverters shall be equipped with a "residual current monitoring unit" sensitive to all terminals. The inverters shall have an integrated web server, and the following data shall be accessible free of charge both on the Internet (remote monitoring system) and on the inverter throughout the life cycle of the system. Instantaneous power generation (overall and separate for each panel group), energy generated per day, the energy generated since installation, panel voltage, grid voltage. The system shall not require any payment throughout its life cycle for remote monitoring after the installation. The contractor shall obtain from the manufacturer a written commitment that the latter shall not charge any monitoring fee throughout the life cycle of the system. Each MPPT shall be protected by a surge arrester. The inverters in compliance with the standards TS EN 62109-1, TS EN 62109-2, TS EN 61727, TS EN 61000-6-2, and TS EN 61000-6-3 and bearing a CE compliance marking shall be delivered with the connection accessories, any material and installation. Note: The surge arrester is not included in the price. | | |
| 35.200.5001 | Min. 3 kW solar inverter (Up to 2 mppts) | 12.180,00 | 567,00 |
| 35.200.5002 | Min. 5 kW solar inverter (Up to 2 mppts) | 15.310,00 | 567,00 |
| 35.200.5003 | Min. 7 kW solar inverter (Up to 2 mppts) | 20.740,00 | 567,00 |
| 35.200.5004 | Min. 10 kW solar inverter (Up to 2 mppts) | 22.430,00 | 708,00 |
| 35.200.5005 | Min. 15 kW solar inverter (Up to 2 mppts) | 30.190,00 | 708,00 |
| 35.200.5006 | Min. 20 kW solar inverter (Up to 2 mppts) | 34.400,00 | 708,00 |
| 35.200.5007 | Min. 25 kW solar inverter (Up to 2 mppts) | 36.820,00 | 708,00 |
| 35.200.5008 | Min. 30 kW solar inverter (Up to 2 mppts) | 39.490,00 | 708,00 |
| 35.200.5009 | Min. 35 kW solar inverter (Up to 2 mppts) | 43.530,00 | 848,00 |
| 35.200.5010 | Min. 40 kW solar inverter (Up to 2 mppts) | 45.850,00 | 848,00 |
| 35.200.5011 | Min. 50 kW solar inverter (Up to 2 mppts) | 52.450,00 | 848,00 |
| 35.200.5012 | Min. 60 kW solar inverter (Up to 2 mppts) | 58.340,00 | 848,00 |
| 35.200.5020 | At least 100 kW solar inverter (Up to 2 mppts) | 71.180,00 | 890,00 |
| 35.200.5040 | At least 30 kW solar inverter (3 or more mppts) | 42.470,00 | 708,00 |
| 35.200.5045 | At least 40 kW solar inverter (3 or more mppts) | 48.580,00 | 848,00 |
| 35.200.5050 | At least 50 kW solar inverter (3 or more mppts) | 55.560,00 | 848,00 |
| 35.200.5055 | At least 60 kW solar inverter (3 or more mppts) | 62.950,00 | 848,00 |
| 35.200.5060 | At least 100 kW solar inverter (3 or more mppts) | 78.100,00 | 890,00 |
| **35.200.5200** | **Solar Inverter: (Unit: Qty.)(output voltage above 400 VAC)** | | |

35.100.-High Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Maximum input voltage shall be at least 1500 VDC.<br>The inverters shall have at least 98% maximum efficiency.The inverters shall be equipped with a RS485°Communication port. THD (Total Harmonic Distortion) of the inverters shall be < %3. The environmental protection of the inverters shall be minimum IP 65. The operating temperature range shall be -25ºC to +60°C. The grid operating frequency range shall be 47 to 52 Hz. The grid operating voltage range (phase-neutral) shall be 380 to 540 V. The ambient relative humidity shall be up to 95%. The inverters shall be equipped with a “residual current monitoring unit” sensitive to all terminals. The inverters shall have an integrated web server, and the following data shall be accessible free of charge both on the Internet (remote monitoring system) and on the inverter throughout the life cycle of the system. Instantaneous power generation (overall and separate for each panel group), energy generated per day, the energy generated since installation, panel voltage, grid voltage. The system shall not require any payment throughout its life cycle for remote monitoring after the installation. The contractor shall obtain from the manufacturer a written commitment that the latter shall not charge any monitoring fee throughout the life cycle of the system. Each MPPT shall be protected by a surge arrester. The inverters in compliance with the standards TS EN 62109-1, TS EN 62109-2, TS EN 61727, TS EN 61000-6-2, and TS EN 61000-6-3 and bearing a CE compliance marking shall be delivered with the connection accessories, any material and installation. Note: The surge arrester is not included in the price. | | |
| 35.200.5210 | At least 200 kW solar inverter (3 or more mppts) | 107.700,00 | 952,00 |
| 35.200.5220 | At least 250 kW solar inverter (3 or more mppts) | 122.500,00 | 952,00 |
| 35.200.5230 | At least 300 kW solar inverter (3 or more mppts) | 137.400,00 | 983,00 |
| **35.200.7000** | **H1Z2Z2-K Solar Cable (Unit: m):**<br>Delivery in working order, including any material and labor, of solar cables manufactured as per TS EN 50618. | | |
| 35.200.7001 | 1.5 mm² solar cable | 11,30 | 4,00 |
| 35.200.7002 | 2.5 mm² solar cable | 13,80 | 4,00 |
| 35.200.7003 | 4-mm² solar cable | 17,60 | 4,00 |
| 35.200.7004 | 6-mm² solar cable | 23,40 | 5,95 |
| 35.200.7005 | 10-mm² solar cable | 33,30 | 5,95 |
| 35.200.7006 | 16-mm² solar cable | 47,40 | 5,95 |
| 35.200.7007 | 25 mm² solar cable | 69,50 | 5,95 |
| 35.200.7008 | 35 mm² solar cable | 98,50 | 9,60 |
| 35.200.7009 | 50-mm² solar cable | 137,00 | 9,60 |
| 35.200.7010 | 70-mm² solar cable | 186,00 | 9,60 |
| 35.200.7011 | 95 mm² solar cable | 240,00 | 9,60 |
| 35.200.7012 | 120-mm² solar cable | 307,00 | 9,60 |
| 35.200.7013 | 150-mm² solar cable | 387,00 | 9,60 |
| 35.200.7014 | 185 mm² solar cable | 451,00 | 9,60 |
| 35.200.7015 | 240-mm² solar cable | 621,00 | 9,60 |
| 35.200.7016 | 300-mm² solar cable | 753,00 | 9,60 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# LOW CURRENT INTERIOR WIRING UNIT PRICES AND DEFINITIONS

2022/3

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.400.0000** | **HOSPITAL CALL SYSTEM** | | |
| **35.400.1000** | **HOSPITAL CALL SYSTEM (IP SYSTEM):**<br>It is a communication and automation system that governs and integrates the Hospital Call Systems, the Nurse Call System, the Code Blue System, the Code Pink System, the Code White System, and the Consultant Call System. The system's central server communicates with room control units through a TCP/IP socket connection in the hospital's existing network. It has passed immunity and propagation tests to meet TS EN 60601-1-2 standard. It has also underwent TS EN 60950-1 standard tests. It complies with the Directive (2014/35/EU) Electrical Equipment Designed for Use within Certain Voltage Limits and the Directive (2004/108/EC) Electromagnetic Compatibility. | | |
| 35.400.1001 | **Nurse Call Panel: (Unit: Qty.)**<br>Supply, transportation to the work site, installation, making electrical connections, and delivery in working order of a desktop or wall-mounted panel with at least 15" LCD monitor, at least 1 GB system memory, at least 160 GB hard disk, a Turkish operating system and 10/100 MB LAN features. The panel can rank calls in the service according to call type and level of emergency, and inform the nurses about the calls in the rooms. | 24.820,00 | 54,00 |
| 35.400.1002 | **Room Control Panel: (Unit: Qty.)**<br>Supply, installation, making electrical connections and delivery in working order of the panel that supplies power to and regulates voltage level in bedside call units, Toilet-Bathroom call units and over door lights. It can be built-in or surface-mounted that cannot be disassembled. It communicates with the Nurse Call Panel and Hospital Call Server via Ethernet network. It can scan smart cards, has at least 4.3" LCD touch-screen monitor, and 220 VAC or 12-24 VDC power supply. It can contain at least 50 records until the Hospital Call Server confirms that it received the calls and measurement information. It can scan Personnel Smart Cards. It can supply power to and regulate voltage level in at least two bedside call units and at least one Toilet-Bathroom call unit. It can connect with other devices in the room via an RS485 system or CAN bus. | 5.570,00 | 54,00 |
| 35.400.1003 | **Patient Bedside Call Unit: (Unit: Qty.)**<br>Supply, transportation to the work site, installation, making electrical connections and delivery in working order of an edge-lit, aesthetic and durable call unit that can be mounted to the bedside console, communicates with the room control panel via in-room communication network, can easily be connected to or disconnected from Patient Handset Call Units, as it has a single connector, can connect to the Room Control Panel via an RS485 system or CAN bus, has a call button to call the nurse, is made of high-quality flame-resistant material. | 605,00 | 54,00 |
| 35.400.1004 | **Patient Handset Call Unit: (Unit: Qty.)**<br>Supply, transportation to the work site, installation, making electrical connections and delivery in working order of a call unit that is ergonomic for the hand, can be connected to the bedside unit via a separate spiral RJ45 cable and has a call button to call the nurse. | 467,00 | 54,00 |
| 35.400.1005 | **Patient WC-Bathroom Call Unit: (Unit: Qty.)**<br>Supply, transportation to the work site, installation, making electrical connections of the call unit which can be surface- or flush-mounted. It communicates with the Room Control Panel via in-room communication network. It can connect to the Room Control Panel via an RS485 system or CAN bus. It can make emergency calls if the rope under the panel is pulled. | 536,00 | 54,00 |
| 35.400.1006 | **Over Door Light: (Unit: Qty.)**<br>Supply, transportation to the work site, installation, making electrical connections and delivery in working order of a noticeable LED over door light that utilizes red, green and blue colors. | 467,00 | 54,00 |
| 35.400.1007 | **Hospital Server: (Unit: Qty.)**<br>Supply, transportation to the work site, installation and making electrical connections of the Hospital Server that has at least 1.6 GHz dual core CPU, at least 2 GB system memory, at least 160 GB HDD, and an integrated 4-port internal line input. It employs Interactive Voice Response (IVR), and is compatible with IP and analogue switchboards. It includes Caller ID support, and can run round the clock. It includes the settings of the Nurse Call Unit System, the Code Blue System, the Code Pink System, the Code White System and the Consultant Call | 59.090,00 | 254,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | System. It can manage, direct, record and report all calls, and produce statistics. It can contain records and reports for at least 10 years. | | |
| 35.400.1008 | **Personnel Smart Card: (Unit: Qty.)**<br>ISO/IEC 14443 Type A. 13.56 MHz MIFARE classic (Standard - 1 KB) contactless smart card. | 55,00 | |
| 35.400.1009 | **Pager: (Unit: Qty.)**<br>Supply of the pager that operates on Industrial, Scientific, and Medical frequency bands described in regulations on the use of Short-Range Devices. It has Turkish interface, and records the time and date the message is sent or received. It can keep up to 30 messages, give low battery warnings, and has sound and vibration settings for notifications. It can run on a single rechargeable AA-battery. This pocket-size device can also warn the user when it is out of coverage area. It has 8-line message display, and uses POCSAG coding. | 4.130,00 | |
| 35.400.1010 | **Wireless Transmitter: (Unit: Qty.)**<br>Supply, transportation to the work site, installation and making electronic connections of the transmitter that communicates messages to pagers. It consists of a central and several auxiliary antennas positioned at where the signal fades. It operates on Industrial, Scientific, and Medical frequency bands described in regulations on the use of Short-Range Devices. It uses POCSAG coding, and can communicate with other devices without needing a data cable. Its coverage area can easily be increased by adding a transmitter nearby the blind spot. It has a 220 VAC or 12-24 VDC power supply. | 8.330,00 | 77,00 |
| 35.400.1011 | **Emergency Service Call Panel (Unit: Qty.)**<br>Supply, transportation to the work site, installation and making electronic connections of the wall-mounted panel that has at least 19” LCD touch-screen monitor, at least 1 GB system memory, at least 16 GB hard disk, and a Turkish operating system. It supports 10/100 MB LAN features. It can scan Personnel Smart Cards, transmit messages via several devices and report the messages. | 37.880,00 | 54,00 |
| **35.400.2000** | **NURSE CALL SYSTEM (manufactured in compliance with TS EN ISO 11197 and 93/42/EEC Medical Devices Directive , and released with the CE marking)** | | |
| **35.400.2001** | **Nurse Call Console: (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site, installation and delivery in working order, including any material and labor, of a console (including the nurse call main unit with solid-state relays with output protection for all connections and controls including the power unit, indicator lamps, controls and communication, short circuit, open circuit and thermal protection, and EMI filter) with ABS housing, membrane front panel, LCD indicator panel with necessary buttons depending on the number of rooms, LED indicators, and a sufficient number of inputs and outputs for data, printer, PC and room connections, which shall be capable of data and audio communication with the central unit, printing and transferring to PC all details with all nurse call functions with timestamps and operating with other consoles in a network, and which shall allow nurses to carry out all monitoring and inspection tasks. | | |
| 35.400.2002 | 24 address capacity, | 7.140,00 | 1.900,00 |
| 35.400.2003 | 31 address capacity | 7.800,00 | 2.070,00 |
| 35.400.2004 | 62 address capacity | 9.660,00 | 2.490,00 |
| 35.400.2005 | **Room / bed address control module (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and delivery in working order, including any material and labor, of a device enclosed in special casings with IP54 protection, and inputs and outputs with optical insulation, which shall allow monitoring and control of patient rooms, operate automatically, have a microprocessor, and transfers signals to the panel by means of a call input, door warning light and bathroom button connections. | 2.600,00 | 89,50 |
| 35.400.2006 | **Call / reset unit (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and delivery in working order, including any material and labor, of a unit that consists of a nurse and physician call reset push-button and warning lights installed on patient bedside units. | 578,00 | 27,30 |
| 35.400.2007 | **Call handset (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and delivery in working order, including any material and labor, of a patient handset with membrane, PVC, etc., with 2-meter cable, a call button, and buttons to control the lights on the patient bedside unit. | 452,00 | 38,00 |
| 35.400.2008 | **WC / Bathroom emergency call button with a cord (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and delivery in working order, including any material and labor, of a unit made up of a module containing call and reset buttons, a warning light and a braided nylon cord with a pull ring at the tip. The unit shall be protected against moisture and dust. | 520,00 | 38,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.400.2009 | **Door-top warning light (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site and delivery in working order, including any material and labor, of a lamp with plexiglass casing, red and green in color, which shall be used above patient doors, highly diffusive of light, and shall operate with 12V or 24V voltage. | 457,00 | 43,70 |
| **35.405.0000** | **SYNCHRONIZED CLOCK SYSTEM** | | |
| **35.405.1000** | **Master clock and wiring: (Unit: Qty., Materials on construction site: 70%) (TS EN 60708)**<br>Supply, installation, and delivery in working order, including any small material and labor, of a master clock described in the technical specifications, which shall be capable of managing a sufficient amount of slave clocks. | | |
| 35.405.1010 | Regular master clock | 12.950,00 | 296,00 |
| 35.405.1020 | Compensated master clock | 16.680,00 | 340,00 |
| 35.405.1030 | Signal clock (that can also control the bell circuit when necessary) | 19.250,00 | 372,00 |
| **35.405.1100** | **Slave clock and installation: (Unit: Qty., Materials on construction site: 70%)**<br>Supply, installation, and delivery in working order, including any small material and labor, of a slave clock described in the technical specifications. | | |
| 35.405.1110 | Ø30 cm, single sided | 1.770,00 | 63,00 |
| 35.405.1120 | Ø30 cm, single sided, with the second hand | 2.400,00 | 63,00 |
| 35.405.1130 | Ø30 cm, single sided, weather-proof | 1.760,00 | 63,00 |
| 35.405.1140 | Ø30 cm, single sided, 110/220 V or 1.5-V battery-powered | 1.650,00 | 63,00 |
| 35.405.1150 | Signal clock | 7.210,00 | 63,00 |
| 35.405.1160 | **Clock supply line: (Unit: m, Materials on construction site: 60%)**<br>Installing a flush-mounted or surface-mounted clock supply line by laying plastic-insulated conductors with 1.5-mm² section through peschel, bergman or PVC pipes. Junction boxes, terminal blocks and any small material and labor shall be included. | 18,00 | 11,10 |
| 35.405.1170 | **Weather-proof clock supply line: (Unit: m, Materials on construction site: 60%)**<br>Clock supply line with the same as the item 35.405.1160 except non-lead antigron cables resistant to moisture. | 20,30 | 12,70 |
| 35.405.2000 | **IP Master Clock**<br>Supply, installation and delivery in working order, including any small material and labor, of a master clock bearing the CE marking of compliance and equipped with RJ45 network connectors, which shall be capable of sending signals to, and operating, analog and digital slave clocks; being set as a server on the network and sending and receiving time information to and from all devices on the network; setting daylight saving time automatically; and which supports GPS antenna connectivity and installation on 19-inch rack cabinets, and has a backup battery to backup the settings on the device during power outage; starts running automatically when the power is restored; and can be operated remotely by network connection. | 40.060,00 | 296,00 |
| **35.405.2100** | **IP Analog Slave Clock**<br>Supply, installation and delivery in working order, including any small material and labor, of a slave clock bearing the CE marking of compliance and equipped with RJ45 network connectors and PoE (Power over Ethernet) power supply, which operates synchronously with the IP master clock by means of its TCP/IP configuration, indicates hour and minute, has an operating temperature of -10 to +50 degrees, including a two-sided installation apparatus for the two-sided type. | | |
| 35.405.2110 | min. Ø30 cm, single sided | 4.450,00 | 63,00 |
| 35.405.2120 | min. Ø30 cm, double-sided | 9.790,00 | 63,00 |
| 35.405.2130 | min. Ø40 cm, single sided | 6.010,00 | 63,00 |
| 35.405.2140 | min. Ø40 cm, double-sided | 12.110,00 | 63,00 |
| **35.405.2200** | **IP Digital Slave Clock**<br>Supply, installation and delivery in working order, including any small material and labor, of a slave clock bearing the CE marking of compliance and equipped with PoE (Power over Ethernet) power supply, which operates synchronously with the IP master clock by means of its TCP/IP configuration, an LED indicator, and 4-digit hour and minutes indicator which indicates hour and minute, has an operating temperature of -10 to +50 degrees, including a two-sided installation apparatus for the two-sided type. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.405.2210 | min. 5-cm-high digits, single sided | 6.250,00 | 63,00 |
| 35.405.2220 | min. 5-cm-high digits, double-sided | 14.000,00 | 63,00 |
| 35.405.2230 | min. 7-cm-high digits, single sided | 7.410,00 | 63,00 |
| 35.405.2240 | min. 7-cm-high digits, double-sided | 16.290,00 | 63,00 |
| 35.405.2250 | min. 10-cm-high digits, single sided | 11.210,00 | 63,00 |
| 35.405.2260 | min. 10-cm-high digits, double-sided | 24.120,00 | 63,00 |
| 35.405.2300 | **GPS Antenna**<br>Supply and installation, including any material and labor, of the antenna that must be suitable for outdoor conditions, and produced in accordance with the IP 67 protection class, at least. It must be able to operate in temperatures between -30°C and 70°C. This 12-channel receiver must come on the market with CE compliance marking. The GPS antenna will be supplied with a 20 meter-long cable and a mounting leg. | 5.640,00 | 63,00 |
| **35.410.0000** | **ADDRESSABLE FIRE DETECTION AND ALARM SYSTEM**<br>All fire detection, extinguishing and fire alarm systems shall be manufactured in compliance with the Regulation on “Construction Products” (305/2011/EU) and released with a CE compliance marking. | | |
| **35.410.1100** | **Address fire alarm control panel (Unit: Qty., Materials on construction site: 80%)**<br>Addressable smoke, heat, gas, flame and temperature detectors shall be compatible with the connectors of addressable internal and external fire alarm buttons, input and output interface units, short circuit insulators and addressable audible and visual alarm devices. The fire alarm control panel shall be modular and equipped with a microprocessor. The fire alarm control panel shall allow interconnection by a fire alarm control panel network system with minimum 16 addresses in a large distributed system. The fire alarm control panel shall support Modbus, Bacnet or another accepted communication module for communication with other control and automation systems of the building. The fire alarm control panel shall allow different event types (fire, error, security, alarm, information, etc.) to be defined on all addressable devices by the user. The fire alarm control panel shall ensure full compatibility among the locations and fire scenarios for which the system is installed. The fire alarm control panel shall allow additional devices to be installed on the system in a manner that does not upset the existing local addressing order. The fire alarm control panel shall be provided with Turkish front-end firmware. The fire alarm control panel shall have or allow the addition of at least 2 programmable audible alarm outputs. The fire alarm control panel shall have dedicated and monitored alarm and failure relay outputs for sending signals to a nearby fire station, a remote firefighting center or a fire lookout station. The fire alarm control panel shall support RS communication module for remote access, and TCP/IP (compatible with IPv4 or IPv6) for remote access over LAN, WAN and the Internet. The fire alarm control panel shall be able to send alarm and error information to a predetermined mobile phone number (SMS) during the event by means of a GPRS communication module that can be installed on the control panel or integrated in the control panel by means of an external GPRS communication module. The fire alarm control panel shall enable setting separate operating programs for day and night hours. The fire alarm control panel shall have a pre-alarm function for early response (before the audible alarm activates) from the control panel in case of low smoke density The fire alarm control panel shall be able to monitor the errors and failures in the connection in integration with the existing PA system. The fire alarm control panel shall provide a programmable alarm relay output to the camera and hence allow automatic switching to the location of fire as part of its integration with the closed circuit television (CCTV) system, continuously check the detectors for contamination and issue a "Service Required" alert if it detects contamination. The fire alarm control panel shall allow connection of repeater and mimic panels. All cables and connections of the fire alarm control panel shall be kept under control against failures, such as broken lines, short circuits and earth leakage.The fire alarm control panel shall be able to store at least 1000 recent events on its fail-proof memory. The fire alarm control panel shall have a master fire alarm and a failure lamp. The fire alarm control panel shall allow the addition of individual alarms and failure lamps for each fire zone, or allow the monitoring of failure and alarm information of each zone with an illuminated alphanumeric LCD display and sending of audible alarms. The fire alarm control panel shall have a backup processor if it is running more than 512 address elements. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, transportation to the work site, installation, connection to alarm outlet lines, adjustment, and delivery in working order, including any material and labor, of the control panel.<br>Note: Specifications of the module given in the description shall be in compliance with the relevant descriptions in the unit price descriptions. The said module prices are not included in the unit price of the control panel. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.410.1101 | Single-cycle, addressable fire alarm control panel, with min. 120 address capacity. | 22.760,00 | 1.850,00 |
| 35.410.1102 | Two-cycle, addressable fire alarm control panel, with min. 240 address capacity. | 24.060,00 | 1.850,00 |
| 35.410.1103 | Three-cycle, addressable fire alarm control panel, with min. 360 address capacity. | 28.470,00 | 2.010,00 |
| 35.410.1104 | Four-cycle, addressable fire alarm control panel, with min. 480 address capacity. | 30.920,00 | 2.280,00 |
| 35.410.1105 | Five-cycle, addressable fire alarm control panel, with min. 600 address capacity. | 35.220,00 | 2.410,00 |
| 35.410.1106 | Six-cycle, addressable fire alarm control panel, with min. 720 address capacity. | 39.850,00 | 2.510,00 |
| 35.410.1107 | Seven-cycle, addressable fire alarm control panel, with min. 840 address capacity. | 43.990,00 | 2.720,00 |
| 35.410.1108 | Eight-cycle, addressable fire alarm control panel, with min. 960 address capacity. | 48.850,00 | 2.900,00 |
| 35.410.1109 | Nine-cycle, addressable fire alarm control panel, with min. 1080 address capacity. | 55.360,00 | 3.160,00 |
| 35.410.1110 | 10-cycle, addressable fire alarm control panel, with min. 1200 address capacity. | 59.270,00 | 3.360,00 |
| 35.410.1111 | 11-cycle, addressable fire alarm control panel, with min. 1320 address capacity. | 63.220,00 | 3.640,00 |
| 35.410.1112 | 12-cycle, addressable fire alarm control panel, with min. 1440 address capacity. | 67.150,00 | 3.710,00 |
| 35.410.1113 | 13-cycle, addressable fire alarm control panel, with min. 1560 address capacity. | 71.090,00 | 3.960,00 |
| 35.410.1114 | 14-cycle, addressable fire alarm control panel, with min. 1680 address capacity. | 75.030,00 | 4.070,00 |
| 35.410.1115 | 15-cycle, addressable fire alarm control panel, with min. 1800 address capacity. | 78.960,00 | 4.230,00 |
| 35.410.1116 | 16-cycle, addressable fire alarm control panel, with min. 1920 address capacity. | 83.030,00 | 4.810,00 |
| 35.410.1117 | Network interface card (to be installed on each control panel or repeater panel) should be able to operate on up to 32 addressable alarm panels and repeater panel network. | 4.600,00 | 241,00 |
| 35.410.1118 | Mini thermal printer | 3.580,00 | 166,00 |
| **35.410.1500** | **Addressable fire alarm control panel, RS communication module (Unit: Qty., Materials on construction site: 60%)**<br>It shall be used for cable remote access to the addressable fire alarm control panel. The RS-232 communication module that supports the RS-232 communication protocol used for distances up to 10 meters, and the RS-485°Communication module that supports the RS-485°Communication protocol used for distances above 10 meters shall be powered by a switched (SMPS) power supply with the specifications provided in the item 35.410.6000, and the price of the power supply shall not be included in the unit price. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates. | | |
| 35.410.1501 | RS-232 Communication Module | 2.270,00 | 479,00 |
| 35.410.1502 | RS-485 Communication Module | 2.500,00 | 479,00 |
| 35.410.1510 | **Addressable fire alarm control panel, TCP/IP communication module (Unit: Qty., Materials on construction site: 60%)**<br>It shall be used for remote access of the addressable fire alarm system over LAN, WAN and the Internet. The TCP/IP communication module (compatible with IPv4 and IPv6) shall have the same technical specifications with the unit price no. 35.410.6000, be supplied power by a switched-mode power supply (SMPS), and the price of the power supply shall not be included in the unit price. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates. | 6.760,00 | 510,00 |
| 35.410.1520 | **Addressable fire alarm control panel, GPRS communication module (Unit: Qty., Materials on construction site: 60%)**<br>It shall be used for remote access of the addressable fire alarm system over the Internet using the mobile communication protocol GPRS. It shall send the event details including the “date, time, event type, location, etc.” to a predetermined mobile phone number (SMS) during the event by means of a GPRS communication module. The GPRS communication module shall have the same technical specifications with the unit price no. 35.410.6000, be supplied power by a switched-mode power supply (SMPS), and the price of the power supply shall not be included in the unit price. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates. | 8.460,00 | 479,00 |
| 35.410.1530 | **Addressable fire alarm control panel, MODBUS communication module (Unit: Qty., Materials on construction site: 60%)**<br>The modbus communication module shall be designed to operate in integration with the PLC systems of the fire alarm system using the modbus protocol, which are used for direct data exchange with other building control and automation systems of the plant. The modbus communication module shall allow the use of the data corresponding to the register addresses on the memory map for PLC automation. The modbus communication module shall be capable of fire, pre-alarm, error, test and disabling events on the system. Any event that occurs on the system shall be detailed up to the device address. Modbus module settings shall be made by | 8.870,00 | 479,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | means of hardware on the card and by means of software using the modbus master, and modbus RTU/ASCII modes shall be supported as settings and communication shall take place by the modbus protocol through RS 232/485. The modbus module shall be equipped with memory protection. The unavailable fields on the memory shall be both reading- and writing-protected. The modbus query time shall be min. 100 ms. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates. | | |
| 35.410.1540 | **Addressable fire alarm control panel, BACnet communication module (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, testing and delivery in working order, including any small material, of a BACnet communication module which operates as integrated with the systems that use the BACnet protocol, operate directly with the BACnet systems with MS/TP layer and through a router with the BACnet systems with an Ethernet layer, indicates fire, pre-alarm, error and disabling events, configures BACnet communication module settings by hardware on the card, and is manufactured by a company that is certified for compliance with the ISO 9001 Quality Management System. | 8.870,00 | 479,00 |
| 35.410.2000 | **Addressable fire alarm repeater panel (Unit: Qty., Materials on construction site: 80%)**<br>The repeater panel should be equipped with all indicator and control buttons on the master fire alarm control panel, allow monitoring of all alarm and failure states related to the system and conduct system checks. The repeater panel should have a master fire alarm and failure lamp, and individual alarm, failure lamps and illuminated alphanumerical indicator for each fire zone as well as local audible alarm component. Location numbers indicating the assigned location of a fire lamp should be placed next to each local fire lamp. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for the required ohm value independently. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the repeater panel. | 10.290,00 | 712,00 |
| **35.410.2010** | **Addressable Fire Alarm System Fire Telephone Control Unit (Unit: Qty., Materials on construction site: 60%)**<br>As part of the addressable fire alarm system, a control unit of a capacity stated in the relevant item shall be used to establish communication between the security center and field fire telephones located at strategic points on site. Field fire telephones shall not require dialing to call the security center. The fire telephone control unit of the addressable fire alarm system shall be equipped with the technical infrastructure necessary for fire telephones to call the relevant number automatically. Once an operator at the security center has answered an incoming call, the telephone call shall begin and if warnings are received from other fire telephones, they shall be able to join the call (conference). Addressable fire alarm system fire telephone control unit shall be equipped with sufficient technical infrastructure to allow all fire telephones to join a conference call simultaneously. Conference calls shall be started automatically by the control module without the need for any operator action. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates. | | |
| 35.410.2011 | 12 fire telephone capacity | 22.620,00 | 1.080,00 |
| 35.410.2012 | 16 fire telephone capacity | 28.360,00 | 1.240,00 |
| 35.410.2013 | 32 fire telephone capacity | 38.480,00 | 1.450,00 |
| 35.410.2020 | **Addressable optical smoke detector (Unit: Qty., Materials on construction site: 60%)**<br>The microprocessor-controlled detector shall be equipped with a photoelectric smoke cell that operates by emitting light. Minimum one LED shall be available on the detector for visibility from a distance. It shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. Detectors should be addressable automatically by any location switch, handheld detector programming device or fire detection and alarm control panel. The detector shall be manufactured in compliance with the TS EN 54-7 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 435,00 | 47,60 |
| 35.410.2030 | **Addressable optical smoke detector with short circuit insulator (Unit: Qty.):** | 538,00 | 47,60 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | The detector shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. The detector shall be manufactured in compliance with the TS EN 54-7 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. The rest of the specifications shall be the same as the item 35.410.2020, and it shall be transported to the work site, installed at the location specified in the project design, tested and delivered with any small material. | | |
| 35.410.2040 | **Addressable temperature detector (Unit: Qty., Materials on construction site: 60%)**<br>It shall be possible to program the detector for operating as a fixed temperature detector or a temperature rate of increase detector. The detector shall be equipped with min. LED for visibility from a distance, and a socket compatible with parallel remote indicators for installation and removal of such lamps. Detectors should be addressable automatically by any location switch, handheld detector programming device or fire detection and alarm control panel. The microprocessor-controlled detector shall be manufactured in compliance with the TS EN 54-5 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 435,00 | 47,60 |
| 35.410.2050 | **Addressable temperature detector with short circuit insulator (Unit: Qty.):**<br>The detector shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. The detector shall be manufactured in compliance with the TS EN 54-5 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. The rest of the specifications shall be the same as the item 35.410.2040, and it shall be supplied, transported to the work site, installed at the location specified in the project design, tested and delivered with any small material. | 538,00 | 47,60 |
| 35.410.2060 | **Addressable combined optical smoke and temperature detector (Unit: Qty., Materials on construction site: 60%)**<br>The microprocessor-controlled detector shall be equipped with a photoelectric smoke cell that operates by emitting light. It shall also be possible to program the detector to operate as a fixed temperature detector or temperature increase rate detector. The detector shall be equipped with min. LED for visibility from a distance, and a socket compatible with parallel remote indicators for installation and removal of such lamps. Detectors should be addressable automatically by any location switch, handheld detector programming device or fire detection and alarm control panel. The detector shall be manufactured in compliance with the TS EN 54-5 and TS EN 54-7 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 525,00 | 40,40 |
| 35.410.2070 | **Addressable combined optical smoke and temperature detector with short circuit insulator (Unit: Qty.):**<br>The detector shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. The detector shall be manufactured in compliance with the TS EN 54-5, TS EN 54-7 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. The rest of the specifications shall be the same as the item 35.410.2060, and it shall be supplied, transported to the work site, installed at the location specified in the project design, tested and delivered with any small material. | 650,00 | 40,40 |
| **35.410.2500** | **Active air sampling precision smoke detector (Unit: Qty., Materials on construction site: 60%)**<br>The active air sampling precision smoke detector which can detect fire at its initial stage for the locations that require very fast and precise smoke detection and protection shall operate by the principle of sampling the air at the relevant location. The detector shall be capable of operating at precision classes A (very high precision), B (enhanced precision) and C (normal precision). The detector shall be able to detect and report the operator any blockage or fracture at the pipe that transfers the air at the location to the panel. The pipes shall be drilled in the number and diameter as per the pneumatic calculations, and installed at their designated location specified in the application project. The pipes shall be secured by clamps to avoid deflection. The active air sampling precision smoke detector shall be in a PVC cabinet, and made up of a laser or LED-based high-power detection cell, an aspirator that absorbs the air, | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | and a filter and electronic control equipment. The light source shall be semiconductor laser or high-power LED, and have a minimum life cycle of 10 years. It shall adjust precision automatically based on the ambient conditions using its microprocessor controller design. The detector shall detect at min. 2 grades: alarm and pre-alarm. The device shall be equipped with pre-alarm, alarm and error relays. The active air sampling fire detector shall communicate by RS-485. The system should allow monitoring by PC using its own software. Air sampling panels shall be able to report events retrospectively and keep the events (such as reset, alarm, silencing an alarm, discharge, etc.) on its memory.<br>The active air sampling precision smoke detector shall be equipped with a 24 V DC switching-mode power supply (SMPS) unit with the item number 35.410.6000 and in compliance with TS EN 54-4 to maintain the operability of detection functions for min. 24 hours and keep all functions of alarming, control and communication up and running for min. 30 minutes after the said period. The power supply shall not be included in the unit price. The active air sampling precision smoke detector shall be integrable with addressable fire detection systems through control modules. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of active air-sampling precision smoke detectors and sensing pipes manufactured in compliance with the TS EN 54-20 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union.<br>Note: Square meter values specified in the item description indicate the area that the device can protect in the configuration class C. It should be kept in mind that the protection area is reduced in the configuration class A and B. | | |
| 35.410.2501 | A system with active sampling precision smoke detector with a protection area of min. 500 m² in configuration class C. | 9.440,00 | 1.980,00 |
| 35.410.2502 | A system with active sampling precision smoke detector with a protection area of min. 750 m² in configuration class C. | 11.020,00 | 2.630,00 |
| 35.410.2503 | A system with active sampling precision smoke detector with a protection area of min. 1250 m² in configuration class C. | 14.860,00 | 3.240,00 |
| 35.410.2504 | A system with active sampling precision smoke detector with a protection area of min. 2000 m² in configuration class C. | 19.080,00 | 3.800,00 |
| 35.410.2510 | **Ventilation duct sampling device with an Addressable Optical Smoke Detector (Unit: Qty., Materials on construction site: 60%)**<br>It should be used for smoke detection in ventilation ducts using the addressable optical smoke detector integrated in the item. It should perform sampling by optimum air flow from the ventilation duct to the addressable optical smoke detector and should be designed to ensure an appropriate speed for a safe detection. It should have an ABS or metal housing with a transparent cover that allows the functions of the detector in the housing to be seen. The sampling pipe shall be made of aluminum to prevent corrosion. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of a ventilation shaft sampling device with addressable optical smoke detector manufactured in compliance with the TS EN 54-7 and TS EN 54-27 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 2.350,00 | 242,00 |
| 35.410.2520 | **Addressable water leak detector (Unit: Qty., Materials on construction site: 60%)**<br>Transportation to the work site, and delivery in working order, including any small material, of an address water leak detector that consists of a cable and detection probe, performs data communication with the addressable fire alarm control panel by a cycle cable, directly connects to the cycle line, and which was manufactured by a manufacturer that is certified for compliance with the ISO 9001 Quality Management System. | 407,00 | 43,90 |
| 35.410.2530 | **Resettable addressable fire alarm button (Unit: Qty., Materials on construction site: 60%)**<br>The resettable addressable fire alarm button shall be microprocessor-controlled. It should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The LED located on the fire alarm button shall flash while the button is queried through the cycle and flash continuously during an alarm. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of buttons manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 475,00 | 40,40 |
| 35.410.2540 | **Resettable addressable fire alarm button (Unit: Qty., Materials on construction site: 60%)** | 1.080,00 | 84,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | The resettable and addressable fire alarm button shall act as a manual warning component on the system, and be compatible with flush mounting and surface mounting, and controlled by a microprocessor. It should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The LED located on the fire alarm button will flash while the button is queried through the cycle and turn solid when activated manually and switched to the alarm status. The button shall be weather-proof and comply with min. IP 65 protection class. Supply, transportation to the work site, testing, and delivery in working order of buttons manufactured in compliance with the TS EN 54-11 standard and the Regulation (EU) No. 305/2011 Construction Products, and released with a CE compliance marking, with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.410.2550 | **Resettable, addressable fire alarm button with short circuit insulator (Unit: Qty., Materials on construction site: 60%)**<br>The fire alarm button with addressable short circuit insulator shall operate as a manual alarm component and short circuit insulator on the system. The button shall be compatible with flush mounting and surface mounting, and controlled by a microprocessor. The button should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The fire alarm button shall have a LED. The red LED on the button shall turn on when the button is queried by the control panel through the cycle line or activated manually and switches to the alarm state. In case of a short circuit in the cycle line, the short circuit insulator in the button shall activate automatically and the yellow LED on the button shall turn on. Once the short circuit is eliminated, the insulator shall be disabled automatically and the yellow LED shall turn off. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of buttons manufactured in compliance with the TS EN 54-11 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 650,00 | 84,50 |
| 35.410.2560 | **Resettable, addressable fire alarm button with short circuit insulator (Unit: Qty.):**<br>The fire alarm button with addressable short circuit insulator shall operate as a manual alarm component and short circuit insulator on the system. The protection class will be minimum IP 65. Supply, transportation to the work site, testing, and delivery in working order of buttons manufactured in compliance with the TS EN 54-11 and TS EN 54-17 standards and the Regulation (EU) No. 305/2011 Construction Products, and released with a CE marking, with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. The rest of the specifications is identical with the item 35.410.2540. | 1.240,00 | 84,50 |
| 35.410.2570 | **Addressable audible alarm control module (Unit: Qty., Materials on construction site: 60%)**<br>The control module to be connected to the addressable fire alarm control panel should be used to activate the audible alarm devices. The device should have the modular expansion function. Each output of the audible alarm control module should be activated by any combination of individual input devices. The outputs should be programmable for operating continuously or intermittently. Audible alarm circuits should always be checked against open circuits and short circuits. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. An installation box, 24 V DC supply unit, charger and batteries should be provided with the module. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are included in the unit price). Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 1.140,00 | 60,50 |
| 35.410.2580 | **Addressable short circuit insulator audible alarm control module (Unit: Qty.):**<br>The addressable audible alarm control module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union, and the same as the item 35.410.2570 in other respects. | 1.330,00 | 60,50 |
| 35.410.2590 | **Addressable zone control module (Unit: Qty., Materials on construction site: 60%)** | 1.170,00 | 60,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | The zone control module to be connected to the addressable fire alarm control panel should be used for connection of a conventional fire zone to the system. The module should perform failure check for both short circuits and open circuits on the conventional zone circuit. The device should have the modular expansion function. It should be activated individually by any combination of the module input devices. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. An installation box, 24 V DC supply unit, charger and batteries should be provided with the module. The module shall be powered by a the cycle line or 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000. (The battery and SMPS are included in the unit price). Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.410.2600 | **Addressable zone control module with short circuit insulator (Unit: Qty.):**<br>The addressable zone control module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union, and the same as the item 35.410.2590 in other respects. | 1.240,00 | 60,50 |
| 35.410.2610 | **Addressable, intrinsically safe zone control module (Unit: Qty., Materials on construction site: 60%)**<br>The intrinsically safe zone control module to be connected to the addressable fire alarm control panel should be used to connect an intrinsically safe or fireproof conventional fire zone (fireproof infrared gas, fire proof fire detector, intrinsically safe smoke and temperature detectors or intrinsically safe alarm buttons) to the system. The module should perform failure check for both short circuits and open circuits on the conventional zone circuit. The device should have the modular expansion function. It should be activated individually by any combination of the module input devices. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. An installation box, 24 V DC supply unit, charger and batteries should be provided with the module. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 1.650,00 | 263,00 |
| 35.410.2620 | **Addressable relay module (Unit: Qty., Materials on construction site: 60%)**<br>A relay module to be connected to the addressable fire alarm control panel should be used to activate the devices to be controlled in case of fire. They should be able to operate normally open and normally closed by non-voltage, single-pole contacts. The microprocessor-controlled module should be activated individually by any combination of the module input devices. The module should have a an illuminated indicator that indicates the operating, alarm and failure statuses of the device. The module should not require an external 24 V DC supply unit and draw its power by a cycle cable. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 1.110,00 | 60,50 |
| 35.410.2630 | **Addressable relay module with short circuit insulator (Unit: Qty.):**<br>The addressable relay module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union, and the same as the item 35.410.2620 in other respects. | 1.190,00 | 60,50 |
| 35.410.2640 | **Addressable relay module resistant to high current (Unit: Qty., Materials on construction site: 60%)** | 1.260,00 | 84,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | A relay module to be connected to the addressable fire alarm control panel should be used to activate the devices to be controlled in case of fire. The relay module should be activated by any combination of the input devices. It should be possible to use the module in applications that require high current by means of its 250 V AC, 8 A contacts. They should be able to operate normally open and normally closed by non-voltage, single-pole contacts. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. The module should not need a 24 V DC supply unit and draw its power through the cycle cable. Should not require a DC supply unit and draw its power from the cycle cable. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.410.2650 | **Addressable contact monitoring module (Unit: Qty., Materials on construction site: 60%)**<br>A contact monitoring module to be connected to the addressable fire alarm control panel should be used to monitor the positions of the sprinkler systems, alarm inputs, general-purpose fire devices, control switches and other safety devices. It should be able to monitor normally open and normally closed contacts. The microprocessor-controlled module should have a modular expansion function. It should be activated individually by any combination of the module input devices. The module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. The module should not require a 24 V DC supply unit and draw its power from the cycle cable. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 1.030,00 | 60,50 |
| 35.410.2660 | **Addressable contact monitoring module with short circuit insulator (Unit: Qty.):**<br>The addressable contact monitoring module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union, and the same as the item 35.410.2650 in other respects. | 1.240,00 | 60,50 |
| 35.410.2670 | **Addressable short circuit insulator module (Unit: Qty., Materials on construction site: 60%)**<br>Short circuit insulators to be connected to the cycle of the addressable fire alarm control panel shall be connected among detectors, buttons and modules in a closed cycle and prevent the cycle from being disabled in case of a short circuit. Then the insulators should activate one at a time starting from both connection points of the cycle until they reach the malfunctioning section to insulate such sections. The insulator module should be used while switching to another fire zone. The modules shall be manufactured in compliance with the TS EN 54-17 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the microprocessor-controlled module. | 562,00 | 60,50 |
| 35.410.3000 | **Addressable loop-powered fire siren (Unit: Qty., Materials on construction site: 60%)**<br>The microprocessor-controlled siren shall have a minimum sound volume of 75 db/mt. The device shall communicate with the fire alarm control panel through, and powered by, the cycle cable. No external 24 V DC supply voltage shall be required. It shall be programmable and can be included in fire scenarios. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of sirens manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 1.010,00 | 53,50 |
| 35.410.3010 | **Addressable cycle-powered fire siren with short-circuit insulator (Unit: Qty.):**<br>The addressable, cycle-powered fire alarm siren shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-3 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and | 1.160,00 | 53,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Performance Stability Certificate issued by an organization accredited by the European Union, and the same as the item 35.410.3000 in other respects. | | |
| 35.410.3020 | **Addressable loop-powered fire siren with strobe light (Unit: Qty., Materials on construction site: 60%)**<br>Addressable loop-powered fire siren with strobe light shall have minimum 75 db/mt volume and 1 Hz flashing frequency. The device shall communicate with the addressable fire alarm control panel through, and powered by, the cycle cable. No external 24 V DC supply voltage shall be required. It shall be programmable and can be included in fire scenarios. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of sirens manufactured in compliance with the TS EN 54-3 and TS EN 54-23 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 1.180,00 | 84,50 |
| 35.410.3030 | **Addressable cycle-powered fire siren with short-circuit insulator and strobe light (Unit: Qty.):**<br>The addressable, cycle-powered fire alarm siren with strobe light shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the cycle line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-3, TS EN 54-23 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union, and the same as the item 35.410.3020 in other respects. | 1.320,00 | 84,50 |
| 35.410.3100 | **Addressable fire alarm system fire zone telephone (Unit: Qty., Materials on construction site: 60%)**<br>Addressable fire alarm system field fire telephones shall be used to enable authorized persons to communicate with the security center and other field telephones. They shall be activated when the handset is picked up. They shall call the security center automatically without the need to dial any number. They shall be connected to the fire telephone control module with the item no. 35.410.2010. The field phones shall be enclosed in red, non-corrosive and locked metal housings. The glass on the front surface of the housing shall make the handset within the housing visible. Supply, transportation to the work site, and delivery in working order, of a fire zone telephone manufactured by a company that is awarded ISO 9001 Quality Management System certificates. | 5.620,00 | 1.490,00 |
| 35.410.3110 | **Linear wire temperature sensor control unit for the addressable fire alarm system (Unit: Qty., Materials on construction site: 80%)**<br>Supply, transportation to the work site, testing, and delivery in working order, including any small material, of a linear wire temperature sensor control unit with separate relay outputs, a protection password, the technical specifications provided in the item no. 35.410.6000, and an external 24V DC switched-mode power supply (SMPS), and integrated with communication modules, which reports fire and error data to the addressable fire alarm system, reports control unit communication errors, sensor and cable failures, sensor system modbus or BACnet communication errors, measuring point disabled, and ROM and EEPROM failures; measures temperature values with min. 0.10 C precision through the addressable control panel menu; allows to create zones by uniting sensors, to set a differential alarm threshold, to define a pre-alarm, to program sensor scanning and data acquisition times, to define baseline values for differential alarm thresholds and to program the number of measurements to set the baseline; and which shall be manufactured in compliance with the standard TS EN 54-4, 305/2011/EU Construction Products Directive, released with the CE marking, and awarded the manufacturer's declaration of performance, and Performance Stability Certificate by an organization accredited by the European Union. | 31.510,00 | 11.070,00 |
| 35.410.3120 | **Linear wire temperature detector for the addressable fire alarm system (Unit: m., Materials on construction site: 60%)**<br>Supply, transportation to the work site, testing and delivery in working order, including any small material, of detectors, distribution, termination and connection boxes where microprocessor sensors placed in a halogen-free cable at certain intervals are protected from environmental impacts, measurements are made with min. 0.10 C precision at the intervals and operating conditions specified in the relevant project, and more cables can be connected by a distribution panel to be installed adjacent to the control unit with item number 35.410.3110 if more sensor cables are to be connected, and a terminal box or a protective cap is available at cable ends. The items shall be manufactured in compliance with the standard TS EN 54-5, 305/2011/EU Construction Products Directive, released with the CE marking, and awarded the manufacturer's declaration of performance, and Performance Stability Certificate by an organization accredited by the European Union. | 421,00 | 51,50 |
| 35.410.3130 | **External wire temperature sensor for the addressable fire alarm system (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, testing and delivery in working order, including any small material, of an external | 973,00 | 51,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | temperature sensor, sensor module and connection boxes with stainless steel-plated external semiconductor sensors where such data as the differential alarm threshold, alarm threshold, min. threshold of the sensor are transferred to the detection system with item no. 35.410.3110 by means of an external sensor module, which shall be manufactured by a company certified for compliance with the ISO 9001 Quality Management System. | | |
| **35.410.4000** | **Addressable fire detection system, graphical monitoring/management software and hardware (Unit: Qty., Materials on construction site: 80%)**<br>Supply, transportation to the work site, testing and delivery in working order, including any small material, of a graphical monitoring/management software and hardware pack compatible with IPv4 and IPv6 and manufactured by a manufacturer certified for compliance with the ISO 9001 Quality Management System, with PC software and hardware, Turkish and English language options for the software, a program operating under Windows and other operating systems, and graphical monitoring and control of fire alarm control panels with min. 32 addresses using a single program on a computer; which allows to check on a computer the alarm, error and status data on the fire alarm system and to monitor graphically the fire alarm systems with a network structure made up of min. 32 control and/or repeater panels, and to communicate by means of the connection between the PC and the control panel, or RS-232 / RS-485 or TCP/IP communication port; which sends full screen or pop-up warning messages automatically or manually to different computers in case of fire online through LAN or WAN by individually defined IP addresses or domain names using the graphical monitoring software and hardware; sends the event log data including the “date, time, event type, location, etc.” kept in the memory by the control panel to predefined email address(es) or as a short message (SMS) to predefined mobile phone number(s) during the event; allows to send all events or only selected events logged on the fire system; sends the email or SMS during the event or on a daily or weekly basis as reports; sends Alarm, Reset, Cancel Alarm commands to all fire alarm control panels running in the system or network; displays all events (fire, error, etc.) on the control panel(s) on the messages window of the graphic monitoring program; allows software IP telephone integration as fire telephone in the PC software; allows communication using a headset, modem and fire telephone control unit connected to the PC; starts a telephone call once the operator at the security center has answered a call by the IP telephone and join a conference call if a warning is received from other fire telephones at the same time; and easily calls the field telephones or fire alarm control panels with telephone through the IP telephone at the security center in case of an emergency detected during fire monitoring; allows the design of the location to be saved in jpg, jpeg, bmp, ico, emf and wmf formats; saves architectural projects of the location in AutoCAD (dwg) format by converting them into wmf format, and allows navigation by shortcuts in such projects; keeps event logs of the graphic monitoring software and hardware system; displays event logs by date ranges, fire and error states and prints them; boots with the operating system and never shuts down by disabling the buttons used for shutting down the Windows operating system; allows minimum 10 users to be defined; emits a different sound for each event type; allows customization of event sounds by users and multiple users and multi-step password input for different ranks of users and the operator. | | |
| 35.410.4001 | Addressable fire detection system, graphical monitoring/management software and hardware for 1 Control Panel | 14.730,00 | 882,00 |
| 35.410.4002 | Addressable fire detection system, graphical monitoring/management software and hardware for 4 Control Panels | 20.290,00 | 883,00 |
| 35.410.4003 | Addressable fire detection system, graphical monitoring/management software and hardware for 8 Control Panels | 26.160,00 | 972,00 |
| 35.410.4004 | Addressable fire detection system, graphical monitoring/management software and hardware for 16 Control Panels | 31.140,00 | 952,00 |
| 35.410.4006 | Graphic monitoring/management user software for 10 users | 7.760,00 | 101,00 |
| 35.410.4007 | Graphic monitoring/management user software for 25 users | 15.370,00 | 101,00 |
| 35.410.4008 | Graphic monitoring/management user software for 50 users | 26.840,00 | 101,00 |
| **35.410.5000** | **Software for integration of the fire detection and alarm system with the CCTV system (Unit: Qty.)**<br>Supply, testing and delivery in working order, including any small material, of the integration software and hardware which integrate the fire detection and alarm system with the CCTV system on the software, and display the image of the location of alarm on the graphic display of the fire detection and alarm system or the screen of the CCTV system, and direct the moving cameras to the location of the alarm based on the alarm warning received from the panel. | | |
| 35.410.5001 | Software for integration of the fire detection and alarm system for 1 Control Panel with the CCTV system | 9.940,00 | 327,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.410.5002 | Software for integration of the fire detection and alarm system for 4 Control Panels with the CCTV system | 12.010,00 | 394,00 |
| 35.410.5003 | Software for integration of the fire detection and alarm system for 8 Control Panels with the CCTV system | 14.470,00 | 475,00 |
| 35.410.5004 | Software for integration of the fire detection and alarm system for 16 Control Panels with the CCTV system | 17.350,00 | 567,00 |
| 35.410.5005 | Software for integration of the fire detection and alarm system for 32 Control Panels with the CCTV system | 21.080,00 | 688,00 |
| **35.410.6000** | **Switch-mode power supply unit (Unit: Qty., Materials on construction site: 60%) (TS EN 54-4)**<br>The switch-mode power supply unit shall provide 24 V DC voltage and the output power specified in its item description. The power supply unit shall continuously check itself and be able to detect such errors as earthing, battery, fuse and 220 V AC mains supply outages or 24 V fuse malfunctions. It shall be equipped with a dry-contact relay that reports errors as well as overcurrent, short circuit protection and automatic fuse protection. The power supply shall check the presence of a battery, charging cycle time and low voltage status of the battery and report errors. The battery temperature shall be measured with a thermistor and the battery charging current shall be set automatically to ensure longevity of the batteries used in the power supply. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of switch-mode power supply units including batteries, manufactured in compliance with the TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.410.6001 | Switch-mode power supply unit; 1 Ah | 1.810,00 | 61,00 |
| 35.410.6002 | Switch-mode power supply unit; 3 Ah | 2.160,00 | 124,00 |
| 35.410.6003 | Switch-mode power supply unit; 5 Ah | 2.640,00 | 262,00 |
| 35.410.6004 | Switch-mode power supply unit; 10 Ah | 4.300,00 | 379,00 |
| **35.410.7000** | **WIRELESS FIRE DETECTION AND WARNING SYSTEM** | | |
| 35.410.7010 | **Addressable Wireless Fire Alarm Transceiver Unit: (Unit: Qty.)**<br>Supply, including any small material, transportation to the work site, testing and delivery in working condition of the addressable wireless fire alarm transceiver. When it is connected to a compatible cycle, it connects addressable wireless field devices to the fire detection and alarm system. It offers automatic channel selection and allows communication throug minimum 7 different channels. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It will come on the market with a CE compliance marking, and with the declaration of performance by the manufacturer and the Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any smal material, of the transceiver unit. | 2.820,00 | 122,00 |
| 35.410.7020 | **Addressable Wireless Fire Alarm Expansion Module: (Unit: Qty.)**<br>Supply, including any small material, transportation to the work site, testing and delivery in working condition of the addressable wireless fire alarm expansion module that increases the signals coming from the transceiver units, and therefor expands the coverage area of the wireless fire alarm system. It offers automatic channel selection. It will be manufactured i accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It will come on the market with a CE compliance marking, and with the declaration of performance by the manufacturer and the Performance Stability Certificate issued by an organization accredited by the European Union. Suppl to the work site, and delivery in working order, including any small material, of the expansion module. | 2.650,00 | 117,00 |
| 35.410.7030 | **Addressable Wireless Smoke Detector: (Unit: Qty.)**<br>Supply to the work site, and delivery in working order, including any small material, of the microprocessor-controlled detector that will be equipped with a photoelectric smoke cell which operates by emitting light. Minimum one LED shall be available on the detector for visibility from a distance. This detector will be powered by a dual battery system that lasts at least 3 years. It must allow double-sided communication as a transceiver and employ automatic channel selection features. The detector will be manufactured in compliance with the TS EN 54-7 and TS EN 54-25 standards, the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking and a Declaration of Performance by the manufacturer, and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 2.150,00 | 43,90 |
| 35.410.7040 | **Addressable Wireless Temperature Detector: (Unit: Qty.)**<br>Addressable wireless heat detector can be programmed as fixed temperature detector or rate-of-rise detector. Minimum one LED shall be available on the detector for visibility from a | 2.080,00 | 43,90 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | distance. It will run on a dual battery system with a life expectancy of at least 3 years. It must allow double-sided communication as a transceiver and automatic channel selection. The detector will be manufactured in accordance with the TS EN 54-5 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Products. It must be released with a CE marking and a Declaration of Performance by the manufacturer, and a Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.410.7050 | **Addressable Wireless Fire, Smoke and Temperature Detector: (Unit: Qty.)**<br>The addressable heat and smoke detector will be equipped with a microprocessor-controlled photoelectric smoke cell which operates by emitting light. It should be programmed as fixed temperature detector or rate-of-rise detector. Minimum one LED shall be available on the detector for visibility from a distance. This detector will be powered by a dual battery system that lasts at least 3 years. It allows double-sided communication as a transceiver and employs automatic channel selection features. The detector will be manufactured in compliance with the TS EN 54-5 and TS EN 54-7 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Products. It must be released with a CE marking and a Declaration of Performance by the manufacturer, and a Performance Stability Certificate issued by an organization accredited by the European Union. | 2.220,00 | 43,90 |
| 35.410.7060 | **Addressable Wireless Resettable Fire Alarm Button: (Unit: Qty.)**<br>Supply, including any small material, transportation to the work site, testing and delivery in working order a the wireless fire alarm button that will operate as a manual alarm component. This microprocessor controlled button can be flush- or surface-mounted. It will be powered by a dual battery system that lasts minimum 3 years. It offers automatic channel selection and double-sided communication as a transceiver. It will be manufactured in accordance with the TS EN 54-11 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must come on the market with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. | 2.500,00 | 43,90 |
| 35.410.7070 | **Addressable Wireless Fire Alarm Input Module: (Unit: Qty.)**<br>Supply, including any small material, transportation to the work site, testing and delivery in working order of the addressable wireless fire alarm entrance module that allows double-sided communication with the wireless transceiver unit. It will be powered by a dual battery system that lasts minimum 3 years and offer automatic channel selection. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must come on the market with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. | 1.930,00 | 43,90 |
| 35.410.7080 | **Addressable Wireless Fire Alarm Output Module: (Unit: Qty.)**<br>Supply, including any small material, transportation to the work site, testing and delivery in working order of the wireless fire alarm output module that allows double-sided communication with the wireless transceiver unit. It will be powered by dual battery system that lasts minimum 3 years. It offers automatic channel selection and double-sided communication as a transceiver. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must be released with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. | 1.880,00 | 43,90 |
| 35.410.7090 | **Addressable Wireless Fire Siren with Strobe Light: (Unit: Qty.)**<br>Supply, including any small material, transportation to the work site, testing and delivery in working order of the siren with strobe light that allows communication with the wireless transceiver unit. It will be powered by a dual battery system that lasts at least 2 years. It offers automatic channel selection and double-sided communication as a transceiver. It will be manufactured in accordance with the TS EN 54-3, TS EN 54-23 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must be released with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. | 2.280,00 | 43,90 |
| **35.415.0000** | **CONVENTIONAL FIRE DETECTION, EXTINCTION AND ALARM SYSTEM**<br>All fire detection, extinguishing and fire alarm systems shall be manufactured in compliance with the Regulation on “Construction Products” (305/2011/EU) and released with a CE compliance marking. | | |
| **35.415.1100** | **Conventional Fire Alarm Control Panel (Unit: Qty., Materials on construction site: 80%)**<br>The conventional fire alarm control panel shall be compatible with the connections of conventional optical smoke detectors, fixed temperature detectors, temperature increase rate detectors, optical smoke and temperature detectors, flame detectors, natural gas, LPG and carbon-monoxide detectors, conventional internal and external fire alarm buttons, audible and visual alarm devices. As standard, the fire alarm control panel should be equipped with min. 1 output for audible alarm as well as alarm and failure outputs for sending signals to a nearby fire station, a remote firefighting center or a fire lookout station. The fire | | |

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|---|---|---|---|
| | alarm control panel should be able to operate standalone or with a repeater panel. The conventional fire alarm control panel should continuously keep all lines entering the detection and alarm devices under control against such failures as broken lines, short circuit or removal of the devices on the line. The fire alarm control panel should have a master fire alarm and failure lamp, and individual alarm and failure lamps for each fire zone as well as local audible alarm component. The control panel shall be equipped with a locking mechanism to prevent unauthorized access. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for max. 5 ohm independently and in compliance with the Regulation on Earthing for Power Plants. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, and delivery in working order, including any small material and labor, of a conventional fire control panel. | | |
| 35.415.1110 | Up to 4 Zones (including 4) | 2.190,00 | 159,00 |
| 35.415.1111 | Up to 8 Zones (including 8) | 2.650,00 | 199,00 |
| 35.415.1112 | Up to 12 Zones (including 12) | 4.170,00 | 241,00 |
| 35.415.1113 | Up to 16 Zones (including 16) | 4.500,00 | 286,00 |
| 35.415.1200 | **Conventional panel driver card: (Unit: Qty., Materials on construction site: 80%)**<br>Supply to the work site and delivery in working order of a conventional panel driver card which shall be within the modular structure of the conventional fire alarm control panel, operates in a network with repeater panels, is installed in the fire alarm control panel, and manufactured by a company that is awarded with ISO 9001 Quality Management System. | 1.460,00 | 104,00 |
| 35.415.1300 | **Conventional fire alarm repeater panel (Unit: Qty., Materials on construction site: 80%)**<br>The fire alarm repeater panel should communicate with the master fire alarm control panel and monitor all alarm and failure states of the system. The fire alarm repeater panel should have a master fire alarm and failure lamp, and individual alarm and failure lamps for each fire zone as well as local audible alarm component. The control panel shall be equipped with a locking mechanism to prevent unauthorized access. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for the required ohm value independently and in compliance with the Regulation on Earthing for Power Plants. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, and delivery in working order, including any small material and labor, of a conventional fire repeater panel as described in the relevant technical specifications. | 2.410,00 | 129,00 |
| 35.415.1400 | **Conventional fire button and its installation (Unit: Qty.)**<br>Conventional fire buttons shall be activated by breaking the plastic film-coated glass cover. Once the glass is broken, a microswitch that is normally leaned on the glass should release and change position, and remain in that position until the glass is replaced. It should be possible to test the button by a test switch without breaking the glass. The button shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, connection to fire warning outlet lines, and delivery in working order, including any small material and labor, of conventional fire buttons. | 108,00 | 13,40 |
| 35.415.1410 | **Conventional resettable fire button and its installation (Unit: Qty.)**<br>The conventional resettable fire button should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. It shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, connection to fire alarm outlet lines, and delivery in | 161,00 | 13,40 |

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| | working order, including any small material and labor, of buttons. | | |
| 35.415.1420 | **Conventional, resettable, exterior fire button and its installation (Unit: Qty.)**<br><br>The conventional, resettable, exterior fire button should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The degree of protection of the buttons shall be minimum IP 65. The buttons shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the button. | 658,00 | 13,40 |
| 35.415.1430 | **Conventional fixed temperature detector and its installation (Unit: Qty., Materials on construction site: 60%)**<br><br>By a semi-conductor temperature detection technology, the detector shall detect temperature once it has reached a certain threshold regardless of the rate of increase. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures easy attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-5 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 251,00 | 17,70 |
| 35.415.1440 | **Conventional temperature increase rate detector (Unit: Qty., Materials on construction site: 60%)**<br><br>By a semi-conductor temperature detection technology, the detector shall perform detection once the increase rate of the ambient temperature per unit time has reached a certain threshold and the temperature increase rate has reached a certain value. The detector shall be capable of operating as a fixed temperature detector or temperature increase rate detector. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-5 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 285,00 | 17,70 |
| 35.415.1450 | **Conventional optical smoke detector and its installation (Unit: Qty., Materials on construction site: 60%)**<br><br>The detector shall detect smoke by optical means. The detector shall be equipped with a photoelectric smoke cell that operates by emitting light. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-7 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 330,00 | 16,30 |
| 35.415.1460 | **Parallel remote indicator (Unit: Qty., Materials on construction site: 60%)**<br><br>It shall be operated by the signal from the parallel remote indicator output when fire alarm detectors detect an event. It shall be used where it is difficult or impossible to see and monitor the indicator (light (LED)) on the detector. The indicator (light (LED)) on the parallel remote indicator shall be red and min. 10 mm for ease of monitoring. The parallel remote indicator shall be manufactured by a manufacturer that is awarded ISO 9001 Quality Management System certificates. Supply, installation, and delivery in working order, including any small material and labor, of a parallel remote indicator. | 57,50 | 16,30 |
| 35.415.1470 | **Conventional optical smoke and temperature detector and its installation (Unit: Qty., Materials on construction site: 60%)**<br><br>The detector shall detect smoke by optical means. The detector shall be equipped with a photoelectric smoke cell that operates by emitting light. The detector shall also sense temperature by a heat-sensitive semiconductor. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-7 and TS EN 54-5 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | 570,00 | 60,50 |
| **35.415.1500** | **Conventional beam-type smoke detector (Unit: Qty., Materials on construction site: 60%)**<br><br>Conventional, or transceiver or transceiver reflector beam-type smoke detectors for large and high-ceiling areas shall be used for the fire alarm system. The detector should have min. three different grades of | | |

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| | smoke sensitivity settings. The detector should be reset on the switchboard without the need for an external resetting unit. The beam-type smoke detector should perform drift compensation, and issue an error signal when the drift level has reached the critical threshold. A parallel remote indicator output shall be available on the detector. For the transceiver model, fireproof cables of an appropriate type and section for should be used to ensure synchronized operation and data communication between the receiver and the transmitter. The beam-type smoke detector shall be manufactured in compliance with the TS EN 54-12 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector. | | |
| 35.415.1501 | Transceiver type with a range of 10 to 100 m between the transmitter and the receiver | 9.670,00 | 519,00 |
| 35.415.1502 | Transceiver - reflector type with a range of 10 to 50 m between the transceiver and the reflector | 6.200,00 | 519,00 |
| 35.415.1503 | Transceiver - reflector type with a range of 10 to 100 m between the transceiver and the reflector | 7.080,00 | 519,00 |
| 35.415.1550 | **Ventilation duct sampling device with a conventional optical smoke detector (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation, connection to fire alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of the device with an ABS or metal housing, a transparent cover that enables the functions within the detector to be seen, and an aluminum sampling pipe; which is manufactured in compliance with the standards TS EN 54-7 and TS EN 54-27, 305/2011/EU Construction Products Directive, released with the CE marking, and awarded the manufacturer's declaration of performance, and Performance Stability Certificate by an organization accredited by the European Union; and which detects smoke in ventilation ducts by means of a conventional optical smoke sensor integrated in the device, and performs sampling by supplying an air flow with appropriate values from the ventilation duct to the optical smoke detector. | 3.640,00 | 298,00 |
| 35.415.1560 | **Internal electronic fire siren (Unit: Qty., Materials on construction site: 60%)**<br>The internal siren shall have a durable, heat-resistant, red housing and an aesthetic appearance. It shall have a minimum sound volume of 100 db/1 mt. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of sirens with min. IP 42 protection class, manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 310,00 | 60,50 |
| 35.415.1570 | **Internal electronic fire strobe light (Unit: Qty., Materials on construction site: 60%)**<br>The internal strobe light should have a durable and heat-resistant housing. The strobe light should have a minimum flashing energy of 2.5 Joules and a flashing frequency of 1 Hz. The strobe light should be visible even from a considerable distance. Its protection class should be min. IP 44. The strobe lights shall be manufactured in compliance with the TS EN 54-23 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the strobe light. | 356,00 | 40,40 |
| 35.415.1580 | **Internal electronic fire siren with strobe light (Unit: Qty., Materials on construction site: 60%)**<br>The siren strobe light shall have a minimum sound volume of 100 db/1 mt. The strobe light siren should have a minimum flashing energy of 2.5 Joules and a flashing frequency of 1 Hz. The siren strobe light should be visible even from a considerable distance. Siren flasher's protection class should be min. IP 42. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of siren strobe lights manufactured in compliance with the TS EN 54-3 and TS EN 23 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 514,00 | 40,40 |
| 35.415.1590 | **External electronic fire siren (Unit: Qty., Materials on construction site: 60%)**<br>The internal siren shall have a durable, heat-resistant, red housing and an aesthetic appearance. It shall have a minimum sound volume of 100 db/1 mt. The siren should be protected against moisture and coated to withstand aging. Its protection class should be min. IP 65. The siren shall be manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer | 419,00 | 40,40 |

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| | shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the siren. | | |
| 35.415.1600 | **External electronic fire siren with strobe light (Unit: Qty., Materials on construction site: 60%)**<br>The internal siren strobe light should have a durable and heat-resistant housing. The siren strobe light shall have a minimum sound volume of 100 db/1 mt. The strobe light siren should have a minimum flashing energy of 2.5 Joules and a flashing frequency of 1 Hz. The siren strobe light should be visible even from a considerable distance and coated to withstand aging. Its protection class should be min. IP 65. The siren strobe lights shall be manufactured in compliance with the TS EN 54-3 and TS EN 54-23 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the siren strobe light. | 721,00 | 40,40 |
| 35.415.1610 | **Conventional external fire alarm button: (Unit: Qty., Materials on construction site: 60%)**<br>Conventional fire buttons shall be activated by breaking the 0.1-mm plastic film-coated glass cover. Once the glass is broken, a microswitch that is normally leaned on the glass should release and change position, and remain in that position until the glass is replaced. It should be possible to test the button by a test switch without breaking the glass. Its protection class should be min. IP 65. The buttons shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the button. | 314,00 | 40,40 |
| 35.415.1620 | **Fire alarm detector kit for installation on suspended ceiling (Unit: Qty., Materials on construction site: 60%)**<br>It shall be used for installation of conventional detectors or fire alarm detectors such as optical smoke, temperature, combined temperature and smoke detectors on any suspended ceiling types including rock wool, plasterboard, metal, etc. in order to prevent sagging or deformations and to ensure architectural integrity. The suspended ceiling unit where the detector sockets are to be installed shall be ABS and of the same color and material as the detectors. The unit shall be installed on the suspended ceiling material by fastening with min. two metal tabs. The metal tabs shall be made of stainless steel material and operate in screwing principle. No spring-loaded mechanisms shall be used. The suspended ceiling unit shall be manufactured by a manufacturer that is awarded ISO 9001 Quality Management System certificates. | 93,00 | 40,40 |
| 35.415.1630 | **Detector flush mounting box (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, testing and delivery, including any small material, of installation boxes made of non-corrosive material by a manufacturer certified for compliance with the ISO 9001 Quality Management System for use in application of conventional or addressable fire detectors in weather-proof environments or surface-mounted installations. | 102,00 | 47,60 |
| 35.415.1640 | **Internal electronic fire bell (Unit: Qty., Materials on construction site: 60%)**<br>The internal electronic fire alarm bell shall have a low current consumption. The micro-motor unit of the bell shall be designed to reduce the effects of electromagnetic fields and radio frequencies. Its protection class should be min. IP 51. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of internal electronic fire alarm bell manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 362,00 | 81,00 |
| **35.415.2000** | **Conventional fire extinguishing control panel (Unit: Qty., Materials on construction site: 80%)**<br>The conventional fire extinguishing control panel shall be compatible with the connections of conventional optical smoke detectors, fixed temperature detectors, temperature increase rate detectors, optical smoke and temperature detectors, flame detectors, conventional internal and external fire alarm buttons, audible and visual alarm devices, and start extinguishing and stop extinguishing buttons. A three-state (automatic, manual, off) switch for fire extinguishing should be available on the conventional fire extinction control panel. In case of fire, only the fire alarm should activate if the alarm is issued by only one zone. If the alarm is issued by two zones, the extinguishing outlet should activate. The extinguishing outlet should be assigned a period of delay. A “start extinguishing” button should be available to start extinguishing and a “stop extinguishing” button should be available to pause or stop extinguishing. As standard, the fire extinction control panel should be equipped with min. 1 output for audible alarm as well as alarm and failure outputs for sending signals to a nearby fire station, a remote firefighting center or a fire lookout station. The conventional fire extinguishing control panel should | | |

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| | continuously keep all lines entering the detection, extinction and alarm devices under control against such failures as broken lines, short circuit or removal of the devices on the line. The fire extinguishing control panel should have a master fire alarm and failure lamp, and individual alarm and failure lamps for each fire zone as well as local audible alarm component. The audible and visual alarm devices should operate intermittently during the countdown for extinguishing and continuously during the extinguishing operation. The control panel shall be equipped with a locking mechanism to prevent unauthorized access. The control panel shall be equipped with an internal memory that is capable of storing min. 500 events even in case of a power outage. It shall be possible to transfer the events kept in the memory to a computer or a printer. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for max. 5 ohm independently. The control panel shall be manufactured in compliance with the TS EN 54-2, TS EN 54-4 and TS EN 12094-1 standards, the Regulation (EU) No. 305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, and delivery in working order, including any small material and labor, of a conventional fire control panel as described in the relevant technical specifications. | | |
| 35.415.2001 | 2 detection circuits and 1 extinction circuit | 7.340,00 | 1.800,00 |
| 35.415.2002 | 3 detection circuits and 1 extinction circuit | 7.560,00 | 1.900,00 |
| 35.415.2003 | 4 detection circuits and 1 extinction circuit | 9.310,00 | 2.020,00 |
| 35.415.2004 | 4 detection circuits and 2 extinction circuits | 11.890,00 | 2.710,00 |
| 35.415.2050 | **Start extinguishing button (Unit: Qty., Materials on construction site: 60%)**<br>Start extinguishing buttons should activate once the flexible, unbreakable glass and the button are pressed, and remain in that state until the button is reset by a switch. Fire alarm buttons should be yellow to be easily distinguishable and bear a word of alarm. The button shall be manufactured in compliance with the TS EN 12094-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of start extinguishing buttons. | 245,00 | 43,90 |
| 35.415.2060 | **Stop (pause) extinguishing button (Unit: Qty., Materials on construction site: 60%)**<br>Stop extinguishing buttons should activate once the flexible, unbreakable glass and the button are pressed, and remain active as long as the button is pressed. Fire alarm buttons should be blue to be easily distinguishable and bear a word of warning. The button shall be manufactured in compliance with the TS EN 12094-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of stop extinguishing buttons. | 245,00 | 43,90 |
| **35.417.0000** | **FIBER OPTIC HEAT DETECTION SYSTEM** | | |
| **35.417.1000** | **Smart analogue linear fiber optic heat detection cable control unit: (Unit: Qty.)**<br>Supply, transportation to the work site, including any small material, testing and delivering in working order of a detector, distribution, termination and connection boxes. The system uses an optical time domain reflectometer (OTDR) and Raman amplification. It will detect changes in temperature during a fire with a 1 C margin of error. It will then inform the user about these temperature changes, alarms and malfunctions within a minimum 8 km area with a 1 km margin of error. It can integrate with communication modules, and inform the user about control unit and sensor errors or downed electrical wires. It can cover an area up to 20,000 meters by connecting with fiber optic cables through one-, two- or four-channel options. It can define minimum 250 or 500 virtual fire zones, depending on its coverage area. It has minimum 40 dry contact outputs, and therefore can send fire zone information to the fire alarm control panel. It can send information to Scada systems with ModBus RS485 or ModBus TCP/IP outputs. It can ascribe special alarm threshold values by defining a rate of increase and a fixed temperature value for each virtual fire zone. It offers pre-alarm settings and password protection. It does not contain a cooling fan unit, and can continue to operate, detect fire and activate alarms even when fiber optic cables break. It uses an external 24 VDC (SMPS) switched-mode power supply. It must be released with an internationally-valid Approval Certificate based on TS EN 54-22 standard, and with a Declaration of | | |

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| | Performance by the manufacturer. | | |
| 35.417.1001 | 1-channel, 1x1000 m coverage area | 300.100,00 | 496,00 |
| 35.417.1002 | 2-channel, 2x1000 m coverage area | 318.500,00 | 496,00 |
| 35.417.1003 | 4-channel, 4x1000 m coverage area | 346.400,00 | 496,00 |
| 35.417.1004 | 1-channel, 1x2000 m coverage area | 339.900,00 | 496,00 |
| 35.417.1005 | 2-channel, 2x2000 m coverage area | 350.900,00 | 496,00 |
| 35.417.1006 | 4-channel, 4x2000 m coverage area | 374.000,00 | 496,00 |
| 35.417.1007 | 1-channel, 1x4000 m coverage area | 418.100,00 | 496,00 |
| 35.417.1008 | 2-channel, 2x4000 m coverage area | 477.900,00 | 496,00 |
| 35.417.1009 | 4-channel, 4x4000 m coverage area | 537.800,00 | 496,00 |
| 35.417.1010 | 1-channel, 1x6000 m coverage area | 576.300,00 | 496,00 |
| 35.417.1011 | 2-channel, 2x6000 m coverage area | 639.000,00 | 496,00 |
| 35.417.1012 | 4-channel, 4x6000 m coverage area | 701.900,00 | 496,00 |
| 35.417.1013 | 1-channel, 1x8000 m coverage area | 671.300,00 | 496,00 |
| 35.417.1014 | 2-channel, 2x8000 m coverage area | 672.900,00 | 496,00 |
| 35.417.1015 | 4-channel, 4x8000 m coverage area | 733.100,00 | 496,00 |
| 35.417.1016 | 1-channel, 1x10,000 m coverage area | 740.200,00 | 496,00 |
| 35.417.1017 | 2-channel, 2x10,000 m coverage area | 735.800,00 | 496,00 |
| 35.417.1018 | 4-channel, 4x10,000 m coverage area | 795.800,00 | 496,00 |
| 35.417.1200 | **Plastic linear fiber optic cable standard temperature sensor: (Unit: Qty.)**<br>Supply, transportation to the work site, including any small material, testing and delivery in working order of the fiber optic sensor cable. The halogen-free, flame-retardant LSZH thermoplastic cable will include two MultiMode 50/125 µm or 62.5/125 µm fibers. It must be resistant against outdoor conditions. It must have a flexible structure with an external diameter of 4 mm. It must have a minimum crushing strength of 100 N/cm, breaking strength of 500 N, and operate in temperatures between -30°C and 80°C. It will be directly connected to the control unit with the Unit Price No. 35.417.1000 via pigtails. It will be manufactured in accordance with TS EN54-22, IEC 60331-25, IEC 620332-1/2/3-24, and EN 18700 standards, and must be accompanied by a Declaration of Performance by the manufacturer. | 29,10 | 9,25 |
| 35.417.1300 | **Linear fiber optic cable temperature sensor in a steel pipe: (Unit: m)**<br>Supply, transportation to the work site, including any small material, testing and delivery in working order of the fiber optic sensor cable. The steel pipe will include two MultiMode 50/125 µm or 62.5/125 µm fibers. It will be resistant against outdoor conditions and external impacts. It will have an external diameter of 4 mm, and operate in temperatures between -40°C and 85°C. It will be directly connected to the control unit with the Unit Price No. 35.417.1000 via pigtails. It will be manufactured in accordance with TS EN 54-22, IEC 60332–3, IEC 60331-25, IEC 620332-1/2/3-24, EN18700 standards, and must be accompanied by a Declaration of Performance by the manufacturer. | 54,50 | 9,25 |
| **35.420.0000** | **GAS CONTROL SYSTEMS** | | |
| **35.420.1000** | **Addressable Combined CO-NO-NO2 Gas Control Panel (Unit: Qty.)**<br>The device shall offer an alarm threshold level and gas alarm zones that comply with the standards of the combined gas control panels which are used in indoor parks and tunnels, operate concurrently with CO (carbon monoxide), NO (nitrogen oxide), NO2 (nitrogen dioxide) gas detectors, and control electromechanical jet fan or gas/smoke discharge systems for detecting and discharging gases. The panel shall be equipped with central error and gas alarm relay outputs as well as relay outputs for each zone at each detection level. It shall be included in the gas discharge automation by relay output required for each zone. It shall allow monitoring and directing of the operating status data on its integrated display. It shall be possible to make the necessary settings and configurations using the Turkish menu. The gas control panel shall always check all lines entering the detection and alarm devices against such problems as broken lines, short circuits and removal of the devices on the line. The control panel can be switched to the alarm state, the alarm state can be canceled and the system can be reset using the remote control inputs of the control panel. The gas alarm system shall continue to perform its functions for min. 24 hours in case of mains power outage, be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control | | |

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| | and communication remain enabled for min. 30 minutes at the end of the said period, and powered by a power supply manufactured in compliance with the TS EN 54-4 standard and Regulation (EU) No.305/2011 Construction Products - CPR. The panel shall be in compliance with the 2014/35/EU Low Voltage Directive and TS EN 50545-1 standard, released with the CE marking, and the manufacturer shall be certified for a declaration of performance. The panel shall be supplied, transported to the work site, installed, connected, tested and adjusted, including any material and labor. | | |
| 35.420.1001 | 1-cycle | 6.910,00 | 840,00 |
| 35.420.1002 | 2-cycle | 8.410,00 | 1.010,00 |
| 35.420.1050 | **Addressable electrochemical carbon monoxide (CO) gas detector (Unit: Qty.)**<br>Transportation to the work site, installation, connection to gas alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of the device that operates by connecting to the gas control panel, has a carbon monoxide measuring range of 0 to 300 ppm, a supply voltage of 24 V DC, a sensor lifecycle of min. 2 years, an operation indicator LED, which is in compliance with TS EN 50545-1, manufactured by a company certified for compliance with the ISO 9001 Quality Management System, released with the CE marking and certified with the manufacturer’s declaration of performance. | 1.230,00 | 228,00 |
| 35.420.1100 | **Addressable Nitrogen Dioxide (NO2) gas detector (Unit: Qty.)**<br>Transportation to the work site, installation, connection to gas alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of the device that operates by connecting to the gas control panel, has a nitrogen dioxide measuring range of 0 to 30 ppm, a supply voltage of 24 V DC, a sensor lifecycle of min. 2 years, an operation indicator LED, which is in compliance with TS EN 50545-1, manufactured by a company certified for compliance with the ISO 9001 Quality Management System, released with the CE marking and certified with the manufacturer’s declaration of performance. | 2.400,00 | 154,00 |
| 35.420.1150 | **Addressable LPG - Natural Gas (Methane - CH4) gas panel (Unit: Qty.)**<br>The device shall offer an alarm threshold level and gas alarm zones that comply with the standards of conventional combined gas control panels, operate concurrently with gas detectors that detect explosive gases, LPG and Natural Gas (Methane-CH4), and control electromechanical jet fan or gas/smoke discharge systems for detecting and discharging gases. The panel shall be equipped with central error and gas alarm relay outputs as well as relay outputs for each zone at each detection level. It shall be included in the gas discharge automation by relay output required for each zone. It shall allow monitoring and directing of the operating status data on its integrated display. It shall be possible to make the necessary settings and configurations using the Turkish menu. This menu shall allow to perform such functions as selecting locked or unlocked gas alarms, assigning input delay to the zones, assigning output delays to the sirens, testing the zones, disabling error relays, alarm zones and internal sirens, and monitoring the status of such actions. Access levels shall be password-protected. The gas control panel shall continuously keep all lines entering the detection and alarm devices under control against such failures as broken lines, short circuit or removal of the devices on the line. The control panel shall be able to start, cancel alarms and reset the system by means of its remote control inputs. The gas alarm system shall continue to perform its functions for min. 24 hours in case of mains power outage, be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period, and powered by a power supply manufactured in compliance with the TS EN 54-4 standard and Regulation (EU) No.305/2011 Construction Products - CPR. The panel shall be in compliance with the 2014/35/EU Low Voltage Directive, released with the CE marking, and the manufacturer shall be certified for a declaration of performance. The panel shall be supplied, transported to the work site, installed, connected, tested and adjusted, including any material and labor. | 7.640,00 | 951,00 |
| 35.420.1200 | **Addressable LPG gas detectors (Unit: Qty.)**<br>It shall detect LPG and once the gas level has reached 20 percent of LEL (lower explosion limit), it shall sound an 85-dB alarm. The addressable explosive gas detector shall be controlled by a microprocessor. Minimum three LEDs shall be available on the detector for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. The detector shall operate by external 24 V DC supply voltage. It shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, | 794,00 | 154,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
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| | testing and delivery, including any small material, of the detector manufactured per TS EN 50194-1, released with the CE marking, and certified with the manufacturer's declaration of performance. | | |
| 35.420.1250 | **LPG gas detectors (Unit: Qty.)**<br>The detector shall sound an 85-dB alarm if 20 percent LEL (lower explosion limit) of LPG is detected, automatically restore to the normal running state once the level of LPG in the environment has dropped below the lower explosion limit, and be equipped with min. 3 LEDs for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. Supply, transportation to the work site, installation, connection to the gas alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of a detector with 220 V AC or 24 V DC supply voltage, in compliance with TS EN 50194-1 and released with the CE marking. If the device is used as 24 V DC, a switch-mode power supply (SMPS) unit with the item number 35.410.6000 shall be used and the power supply shall not be included in the unit price. | 560,00 | 40,40 |
| 35.420.1300 | **Addressable natural gas detectors (Unit: Qty.)**<br>It shall detect natural gas and once the gas level has reached 20 percent of LEL (lower explosion limit), it shall sound an 85-dB alarm. The addressable natural gas detector shall be controlled by a microprocessor. Minimum three LEDs shall be available on the detector for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. The detector shall operate by external 24 V DC supply voltage. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50194-1, released with the CE marking, and certified with the manufacturer's declaration of performance. | 794,00 | 154,00 |
| 35.420.1350 | **Natural gas detectors (Unit: Qty.)**<br>It shall detect natural gas and sound an 85-db alarm. Minimum three LEDs shall be available on the detector for visibility from a distance, and indicate if the system is on-line or in alarm or error state. It shall be possible to test the functionality of the LEDs and the internal siren on the detector. It shall operate with a supply voltage of 220 V AC or 12/24 V DC. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50194-1, released with the CE marking, and certified with the manufacturer's declaration of performance. | 560,00 | 40,40 |
| 35.420.1400 | **Addressable carbon monoxide gas detector (Unit: Qty.)**<br>It shall detect carbon monoxide and alarm at two different levels of gas. The first alarm shall sound at 100 ppm, and the second alarm at 200 ppm. The alarm volume shall be 85 dB. The module shall be equipped with a dry-contact output for each alarm level. The addressable carbon monoxide gas detector shall be controlled by a microprocessor. Minimum three LEDs shall be available on the detector for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. The detector shall operate by external 24 V DC supply voltage. It shall be powered by a 24 V DC switch-mode power supply (SMPS). (The battery and SMPS are not included in the unit price). It shall be connected to the cycle cable of a smart, analogue, addressable cycle cable. Supply, transportation to the work site, and delivery in working order, of a detector manufactured by a company that complies with the TS EN 50291-1 standard and is awarded ISO 9001 Quality Management System certificates. | 1.230,00 | 48,10 |
| 35.420.1450 | **Carbon monoxide gas detector (Unit: Qty.)**<br>It shall detect carbon monoxide and sound a 85-db alarm. Minimum three LEDs shall be available on the detector for visibility from a distance, and indicate if the system is on-line or in alarm or error state. It shall be possible to test the functionality of the LEDs and the internal siren on the detector. It shall operate with a supply voltage of 220 V AC or 12/24 V DC. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.420.1450 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50291-1, released with the CE marking, and certified with the manufacturer's declaration of performance. | 1.180,00 | 47,60 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
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| | | | |
| **35.420.2000** | **Industrial combined gas alarm control panel (Unit: Qty., Materials on construction site: 80%)**<br>The industrial gas control panel should be designed to assess the measurements received from the gas detectors and sound an alarm. The panel's capacity should be scalable. Fire ducts should have a regular detector line outlet and a detector line outlet protected by a zener barrier in case the fire detectors are used in such zones where there is a risk of explosion. The industrial gas control panel should be equipped with a backlit, alphanumerical, large LCD display that indicates system details, detector locations and all gas levels simultaneously. It should indicate the type of measurement (ppm, percent LEL, percent VOL) on the same display depending on the type of the gas detector. It should be equipped with buttons for all system processes and maintenance functions, warning lights for alarm and fault details, and a min. 85-dB internal siren. The gas ducts should be adjustable for alarming at two different levels (high and low). Low and high alarm relay and error relay outputs should be available for each duct. Depending on the gas level on the gas detector, 4 - 20 mA or 1-5 V analog outputs should be available for each gas duct. A RS485 Modbus output should be available for monitoring and control through DCS/SCADA/PLC systems. The industrial type should keep the latest events indicating the alarms, errors and system interventions in its memory. Its software should give access the records on the memory from any computer. The control panel should be resettable from an external location by a switch. The device should be of IP 54 protection class. The panel should issue a warning when calibration is required and all inputs and outputs should be tested easily at the push of a button. The industrial combined gas alarm control panel shall be manufactured in compliance with the standards TS EN 50270 and TS EN 61010-1, and 2014/35/EU Low Voltage Directive (LVD), and released with the CE marking. Supply, transportation to the work site, testing and delivery in working order, including any small material, of industrial combined gas alarm control panels. | | |
| 35.420.2001 | 1 duct | 22.870,00 | 2.210,00 |
| 35.420.2002 | 2 ducts | 25.020,00 | 2.440,00 |
| 35.420.2003 | 3 ducts | 27.130,00 | 2.660,00 |
| 35.420.2004 | 4 ducts | 29.290,00 | 3.100,00 |
| 35.420.2050 | **Flame-proof infrared (IR) gas detector (Unit: Qty., Materials on construction site: 60%)**<br>Flame-proof infrared (IR) gas detector shall detect hydrocarbon gases by absorption of infrared light, and explosive gases should be detected at 0 to 100 percent LEL. Instant reaction time should be shorter than 3 seconds at T90 and repeatability should be max. 2 percent FSD. The housing of the flame-proof infrared (IR) gas detector should be coated with LM aluminum alloy and polyester powder. The detector should operate perfectly up to 90 percent blockage. It should be able to issue a drift warning if the optical (mirror) assembly gets 75 percent dirty. The system should be equipped with a heating component to prevent evaporation. Calibration by a single person should be possible by an infrared output and intrinsically safe connection where there is a hazard of explosion. The detector should have RS-485 and 4/20 mA signal outputs for communication. Light indicators on the flame-proof, infrared (IR) gas detector should indicate normal operation, error and gas alarm states by different colors (green, yellow, red) of lights. The MTBF (mean time between failures) should be min. 10 years. Min. IP 66 protection class should be offered. It should be possible to connect the item to the combined gas alarm control panel. It should fulfill the flame-proof infrared (IR) gas detector standards. It should be in compliance with the Directive of Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres (2014/34/EU), the Electromagnetic Compatibility Directive 2014/30/EU, the TS EN 60079-0 standard, certified for EEx d II C T6 approvals, manufactured in compliance with the standards TS EN 50270, and TS EN 61000-6-4 on RF emission, bearing the manufacturer's declaration of performance and the CE marking. Supply to the work site, and delivery in working order, including any small material, of flame-proof infrared (IR) gas detectors. | 19.790,00 | 2.110,00 |
| 35.420.2100 | **Flame-proof infrared (IR) flame detector (Unit: Qty., Materials on construction site: 60%)**<br>The flame-proof infrared (IR) flame detector should be designed to detect flame and respond quickly, and to be unaffected by the impurities, grease and dust in the environment where it is used. The flame-proof IR flame detector should be equipped with 3 IR sensors and check the information received from those 3 sensors to eliminate the risk of false alarm. The flame-proof IR flame detector should give a signal within max. 2 seconds if a flame start to burn in the relevant area, and it should be designed to set this delay up to 30 seconds upon the user's request. The flame-proof IR flame detector should detect sudden flashes of flame in 90° vertical and 90° horizontal axes. The IR flame detector should have 4-20 mA output. It should give normal status, error and alarm information with this output. It must be able to provide information on alarms, malfunctions and impurities via contact outputs. It must have 2A alarm and error relay contact at 30 VDC or 5A at 250 VAC. The MTBF (mean time between failures) should be min. | 26.300,00 | 2.110,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
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| | 100,000 hours. The device should be of IP 66 protection class or above. It should be connected to the industrial combined gas alarm control panel, and to the addressable fire alarm control panel trough the intrinsically-safe zone control module. The flame-proof infrared (IR) flame detector should fulfill the standards of FM, NFPA, class I Div. 1 Groups B, C & D, NFPA class II Div. 1 Groups E, F & G and CENELEC EExd II B TS. It shall be manufactured by a manufacturer that is awarded ISO 9001 Quality Management System certificates. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of flame-proof infrared (IR) flame detectors manufactured in compliance with the TS EN 54-10 standard, the Regulation (EU) No. 305/2011 Construction Products, and released with a CE marking, with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.420.2150 | **Automatic gas and power cutoff device that detects earthquakes (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site, connection, and delivery in working order, including any material and labor, of a device in compliance with TS 12884 and bearing the CE marking, with microprocessor control and overload protection relay outputs, sensors that monitor momentum in two axes, and a rechargeable battery and charging circuit that gives audible and visible warnings and supplies power to the system during a power outage of min. 24 hours, which detects the seismic motions with the momentum specified in TS standards during an earthquake and generate control signals to automatically cut off the building's power supply as well as the gas supply lines of the devices that burn combustible and flammable gases such as natural gas / LPG, disables power generators and prevents them from automatically stepping in during a power outage, switches elevators to the emergency mode, makes them stop on the nearest floor and open their doors to ensure quick evacuation, automatically disables other electric devices that may be hazardous during an earthquake, minimizes post-earthquake damages, tests itself when powered or reset, is not affected by small shocks that are not caused by earthquakes, allows monitoring of operation and failure on the device (by means of LEDs/displays/LCD screens, etc.), and operates in coordination with the existing security systems and sensors installed in the building. NOTE: The electric solenoid valve to be used for cutting off gas shall be paid separately per the relevant items. | 1.660,00 | 481,00 |
| **35.430.0000** | **EMERGENCY PUBLIC ADDRESS SYSTEMS** | | |
| **35.430.1000** | **Emergency Digital Public Address System Control Unit**<br>The system control unit should operate with digital signal processing technology and communicate on the network. It should allow the systems of different buildings to be controlled from a single location and operate as a single system. The system control unit should supervise all speaker lines against short and open circuit problems. The system control unit should be able to make announcements to minimum 8 zones and be scalable to min. 200 zones by means of additional units. It should be able to record messages in CD quality and have a monitorable memory. It should be possible to assign priority to announcements. It should have min. 8 contact inputs for emergency and automatic announcements with the ability to broadcast messages alternately with each of them. A hand-held microphone should be available on the control unit for use during emergency. It should be possible to connect minimum 4 public address microphones to the system. The cable distance between the public address microphones and the center should be extendable to 300 meters. The system control unit should have a monitorable 24 V DC trigger output for each zone. Local audio setting units should be turned on using these outputs even if they are turned off. The control unit shall be powered by a power supply that fulfill the technical specifications provided in the item 35.430.1330 and comply with TS EN 54-4. The power supply shall not be included in the unit price. System control unit equipment shall be manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, installation, testing and delivery, including any small material, of an emergency digital public address system control unit including expansion units for more than 8 zones. | | |
| 35.430.1001 | Emergency public address system control unit, min. 8 zones | 30.090,00 | 1.470,00 |
| 35.430.1002 | Emergency public address system control unit, min. 16 zones | 34.910,00 | 2.790,00 |
| 35.430.1003 | Emergency public address system control unit, min. 24 zones | 52.130,00 | 3.640,00 |
| 35.430.1004 | Emergency public address system control unit, min. 32 zones | 56.460,00 | 4.460,00 |
| 35.430.1005 | Emergency public address system control unit, min. 40 zones | 73.690,00 | 5.320,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.430.1100** | **Emergency Digital Public Address Call Station**<br>The Emergency Public Address Call Station should be desktop type and used to address desired zones. Priority levels, and pre-announcement and post-announcement warning tones of the Emergency Public Address Call Station shall be customizable. The emergency public address station shall be controlled by buttons or a touch screen. The emergency public address station shall be manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site installation, and delivery in working order, including any small material, of the digital emergency public address station. | | |
| 35.430.1101 | Emergency digital public address call station, min. 8 zones | 9.050,00 | 507,00 |
| 35.430.1102 | Emergency digital public address call station, min. 16 zones | 9.070,00 | 532,00 |
| 35.430.1103 | Emergency digital public address call station, min. 24 zones | 9.110,00 | 565,00 |
| 35.430.1104 | Emergency digital public address call station, min. 32 zones | 9.130,00 | 588,00 |
| 35.430.1105 | Emergency digital public address call station, min. 40 zones | 9.160,00 | 619,00 |
| **35.430.1200** | **Power Amplifiers**<br>Power Amplifiers shall be determined according to the relevant power requirement, and comply with the 19” rack installation standard. A temperature-controlled fan should be available on the amplifier. The amplifier should be protected against short circuit and overload. The amplifier should be equipped with a 70 V in addition to 100 V power output. The power amplifiers shall be powered by a power supply that fulfill the technical specifications provided in the item 35.430.1330 and comply with TS EN 54-4. The power supply shall not be included in the unit price. Supply to the work site, installation, and delivery in working order, including any small material and testing, of Power amplifiers shall be manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.430.1201 | 120 W (rms) Power Amplifier | 5.360,00 | 406,00 |
| 35.430.1202 | 240 W (rms) Power Amplifier | 9.340,00 | 593,00 |
| 35.430.1203 | 300 W (rms) Power Amplifier | 9.990,00 | 637,00 |
| 35.430.1204 | 400 W (rms) Power Amplifier | 10.530,00 | 803,00 |
| 35.430.1205 | 500 W (rms) Power Amplifier | 10.930,00 | 970,00 |
| 35.430.1206 | 4 x 125 W (rms) Power Amplifier | 13.140,00 | 1.170,00 |
| 35.430.1207 | 2 x 500 W (rms) Power Amplifier | 18.500,00 | 1.660,00 |
| 35.430.1300 | **Remote Controllers and Firefighter Panel for the Emergency Public Address System**<br>Remote controller equipment shall be used to transfer the front and back sides of controllers and routers to a remote location. It should be possible to enter and confirm an emergency, troubleshoot, and reset an emergency on the firefighter panel. It should be possible to connect the remote control panels and firefighter panel to the controllers and routers at the system center by a CAT-5 cable. The power amplifiers shall be powered by a power supply that fulfill the technical specifications provided in the item 35.430.1330 and comply with TS EN 54-4. The power supply shall not be included in the unit price. Transportation to the work site, installation, testing, and delivery in working order, including any small material, of emergency public address system remote controllers and firefighter panel manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 6.660,00 | 595,00 |
| 35.430.1310 | **Ceiling Speaker**<br>The speaker should be equipped with a transformer and can be driven by 6 W, 3 W, 1.5 W and 0.75 W. A support box to be mounted on the back of the speaker should protect the speaker from dust and dripping water. The Ceiling Speaker should be in compliance with TS EN 54-24 and released with the CE marking. The speaker should be equipped with a threaded terminal block, a thermal fuse and a heat-resistant high-temperature connection. Maximum power shall be min. 9 W (nominal 6/3/1.5/0.75). The sound pressure at 6 W shall be min. 90 dB which shall be expressly declared by the manufacturer in the product data sheet. Supply to the work site, installation, and delivery in working order, including any small material and testing of, ceiling speakers manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011/EU Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and<br>Performance Stability Certificate issued by an organization accredited by the European Union. | 327,00 | 25,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.430.1320 | **Wall Speaker**<br>The speaker should be equipped with a transformer and can be driven by 6 W, 3 W, 1.5 W and 0.75 W. The speaker shall be made of a metallic material. The sound pressure at 6 W shall be min. 90 dB which shall be expressly declared by the manufacturer in the product data sheet. Transportation to the work site, installation, testing, and delivery in working order, including any small material, of wall speakers manufactured in compliance with the TS EN 54-24 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | 428,00 | 43,50 |
| **35.430.1330** | **Power supply unit (TS EN 54-4)**<br>The power supply unit shall have the voltage required for the device that it will power and the output power specified in the relevant item. The power supply unit shall continuously check itself and be able to detect such errors as earthing, battery, fuse and 220 V AC mains supply outages or fuse malfunctions. It shall be equipped with a dry-contact relay that reports errors as well as overcurrent, short circuit protection and automatic fuse protection. The power supply shall check the presence of a battery, charging cycle time and low voltage status of the battery and report errors. The battery temperature shall be measured by a thermistor and battery charging current shall be set automatically so that the batteries used in the power supply last longer. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of power supply units including batteries manufactured in compliance with the TS EN 54-4 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, with the manufacturer awarded a declaration of performance and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.430.1331 | Power supply unit; 55 Ah | 16.040,00 | 972,00 |
| 35.430.1332 | Power supply unit; 100 Ah | 16.210,00 | 1.140,00 |
| | **EMERGENCY LIGHTING FIXTURES** | | |
| **35.440.1000** | **Emergency lighting fixture (with fluorescent lamp) (Unit: Qty., Materials on construction site: 60%)**<br>Supply, transportation to the work site and installation of emergency lighting fixtures with special profile made of iron sheet or aluminum and 1 x 8 W fluorescent bulb, with the ones that activate in case of power outage automatically stepping in during mains voltage outage, and the continuously active ones being active when the mains voltage is available and connected by a special, slip-in socket that automatically steps in and provides light as long as the determined emergency operating time in case of mains voltage outage, including a dry-type, high-temperature-resistant, maintenance-free nickel cadmium battery that can run continuously at 70°C, an electronic lamp supply, battery charge and transfer circuit, battery low voltage and over-discharge protection circuits, battery charge lamps and matte or transparent plexiglass; which shall be manufactured to comply with the Regulation on the Management of Waste Electric and Electronic Goods, the standards TS EN 60598-2-22, TS ISO 3864-1/2, TS EN ISO 7010, TS EN 60598-1, TS EN 60598-2-22, TS EN 1838 and TS EN 50172, 2014/35/EU Low Voltage Directive, and released with the CE marking.<br>Note: The items shall have undergone type tests. | | |
| 35.440.1001 | Surface-mounted emergency lighting fixture (with fluorescent lamp) that operates for 1 hour in case of power outage | 310,00 | 25,50 |
| 35.440.1002 | Surface-mounted emergency lighting fixture (with fluorescent lamp) that operates for 2 hours in case of power outage | 354,00 | 25,50 |
| 35.440.1003 | Surface-mounted emergency lighting fixture (with fluorescent lamp) that operates for 3 hours in case of power outage | 369,00 | 25,50 |
| 35.440.1004 | Flush-mounted emergency lighting fixture (with fluorescent lamp) that operates for 1 hour in case of power outage | 517,00 | 38,00 |
| 35.440.1005 | Flush-mounted emergency lighting fixture (with fluorescent lamp) that operates for 2 hours in case of power outage | 575,00 | 44,40 |
| 35.440.1006 | Flush-mounted emergency lighting fixture (with fluorescent lamp) that operates for 3 hours in case of power outage | 594,00 | 44,40 |
| 35.440.1007 | Surface-mounted emergency lighting fixture (with fluorescent lamp) with 1-hour timer, which shall be continuously on | 380,00 | 25,50 |
| 35.440.1008 | Surface-mounted emergency lighting fixture (with fluorescent lamp) with 2-hour timer, which shall be continuously on | 431,00 | 31,90 |
| 35.440.1009 | Surface-mounted emergency lighting fixture (with fluorescent lamp) with 3-hour timer, which shall be continuously on | 449,00 | 31,90 |
| 35.440.1010 | Flush-mounted emergency lighting fixture (with fluorescent lamp) with 1-hour timer, which shall be continuously on | 491,00 | 88,50 |
| 35.440.1011 | Flush-mounted emergency lighting fixture (with fluorescent lamp) with 2-hour timer, which shall be continuously on | 555,00 | 104,00 |
| 35.440.1012 | Flush-mounted emergency lighting fixture (with fluorescent lamp) with 3-hour timer, which shall be continuously on | 752,00 | 136,00 |
| **35.440.1100** | **Emergency directional lights (with fluorescent lamp) (Unit: Qty., Materials on construction site: 60%)** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
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| | Supply, transportation to the work site and installation of single-side or two-side emergency directional lighting fixtures with special profile made of iron sheet or aluminum and 1 x 8 W fluorescent bulb, with the ones that activate in case of power outage automatically stepping in during mains voltage outage, and the continuously active ones being active when the mains voltage is available and connected by a special, slip-in socket that automatically steps in and provides light as long as the determined emergency operating time in case of mains voltage outage, including a dry-type, high-temperature-resistant, maintenance-free nickel cadmium battery that can run continuously at 70°C, an electronic lamp supply, battery charge and transfer circuit, battery low voltage and over-discharge protection circuits, battery charge lamps and matte or transparent plexiglass; which shall be manufactured to comply with the standards related to the color and sign formats, the Regulation on the Management of Waste Electric and Electronic Goods, the Regulation on Fire Protection of Buildings, the standards TS ISO 3864-1/2, TS ISO 7010, TS EN 60598-1, TS EN 60598-2-22, TS EN 1838 and TS EN 50172, 2014/35/EU Low Voltage Directive, and released with the CE marking. | | |
| 35.440.1101 | Emergency directional light fixture (with fluorescent lamp) with a single side, which operates for 1 hour in case of a power outage. | 320,00 | 25,50 |
| 35.440.1102 | Emergency directional light fixture (with fluorescent lamp) with a single side, which operates for 2 hour in case of a power outage. | 369,00 | 25,50 |
| 35.440.1103 | Emergency directional light fixture (with fluorescent lamp) with a single side, which operates for 3 hours in case of a power outage. | 389,00 | 31,90 |
| 35.440.1104 | Emergency directional light fixture (with fluorescent lamp) with two sides, which operates for 1 hour in case of a power outage. | 431,00 | 31,90 |
| 35.440.1105 | Emergency directional light fixture (with fluorescent lamp) with two sides, which operates for 2 hours in case of a power outage. | 472,00 | 31,90 |
| 35.440.1106 | Emergency directional light fixture (with fluorescent lamp) with two sides, which operates for 3 hours in case of a power outage. | 493,00 | 38,00 |
| 35.440.1107 | Emergency directional light fixture (with fluorescent lamp) with a single side and a 1-hour timer, which operates continuously. | 400,00 | 31,90 |
| 35.440.1108 | Emergency directional light fixture (with fluorescent lamp) with a single side and a 2-hour timer, which operates continuously. | 442,00 | 31,90 |
| 35.440.1109 | Emergency directional light fixture (with fluorescent lamp) with a single side and a 3-hour timer, which operates continuously. | 478,00 | 31,90 |
| 35.440.1110 | Emergency directional light fixture (with fluorescent lamp) with a two sides and a 1-hour timer, which operates continuously. | 488,00 | 38,00 |
| 35.440.1111 | Emergency directional light fixture (with fluorescent lamp) with a two sides and a 2-hour timer, which operates continuously. | 512,00 | 38,00 |
| 35.440.1112 | Emergency directional light fixture (with fluorescent lamp) with a two sides and a 3-hour timer, which operates continuously. | 546,00 | 38,00 |
| **35.440.1200** | **Emergency Lighting Kits (Unit: Qty., Materials on construction site: 60%)**<br>Supply to the work site, and delivery in working order, including any material and labor, of emergency lighting kits with a minimum ballast/lumen factor of 0.2 and selected conversion units manufactured in compliance with the standards TS EN 61347-2-7 and TS EN 60598-2-22, which shall be installed on the fixtures to ensure that the fixtures in required zones keep operating in emergency, made up of a high-temperature Ni-cd battery, charging unit and status LED, and compatible with electronic ballast. | | |
| 35.440.1201 | For 20 W, 4-pin fluorescent lamps, with 1-hour operating period, | 219,00 | 19,20 |
| 35.440.1202 | For 20 W, 4-pin fluorescent lamps, with 3-hour operating period, | 370,00 | 19,20 |
| 35.440.1203 | For 65 W, 4-pin fluorescent lamps, with 1-hour operating period, | 234,00 | 19,20 |
| 35.440.1204 | For 65 W, 4-pin fluorescent lamps, with 3-hour operating period, | 401,00 | 19,20 |
| 35.440.1205 | For 26 W, 2-pin fluorescent lamps, with 1-hour operating period, | 187,00 | 19,20 |
| 35.440.1206 | For 26 W, 2-pin fluorescent lamps, with 3-hour operating period, | 329,00 | 19,20 |
| 35.440.1207 | For 20 W, halogen lamps, with 1-hour operating period, | 391,00 | 19,20 |
| 35.440.1208 | For 20 W, halogen lamps, with 3-hour operating period, | 611,00 | 19,20 |
| 35.440.1209 | For 50 W, halogen lamps, with 1-hour operating period, | 469,00 | 19,20 |
| 35.440.1210 | For 50 W, halogen lamps, with 3-hour operating period, | 718,00 | 19,20 |
| **35.440.2000** | **Emergency LED lighting fixture (Unit: Qty.)**<br>Supply, transportation to the work site and installation of emergency lighting fixtures with special profile made of iron sheet, LED light source, with the ones that activate in case of power outage automatically stepping in during mains voltage outage, and the continuously active ones being active when the mains voltage is available and connected by a special, slip-in socket that automatically steps in and provides light as long as the determined emergency operating time in case of mains voltage outage, including a dry-type, high-temperature-resistant, maintenance-free nickel cadmium battery that can run continuously at 70°C, battery charge and transfer circuit, battery low voltage and over-discharge protection circuits, battery charge lamps and matte or transparent plexiglass; which shall be manufactured to comply with the Regulation on the Management of Waste Electric and Electronic Goods, the standards TS EN 60598-2-22, TS ISO 3864-1/2, TS EN ISO 7010, TS EN 60598-2-22, TS EN 1838 and TS EN 50172, 2014/35/EU Low Voltage Directive, and the Directive on the | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Protection of Buildings From Fire, and released with the CE marking. | | |
| 35.440.2001 | Surface-mounted emergency lighting fixture that operates for an hour in case of outage (LED, provides min. 130 lm of light for 1 hour) | 600,00 | 25,50 |
| 35.440.2002 | Surface-mounted emergency lighting fixture that operates for 3 hours in case of outage (LED, provides min. 130 lm of light for 3 hours) | 614,00 | 25,50 |
| 35.440.2003 | Flush-mounted emergency lighting fixture that operates for an hour in case of outage (LED, provides min. 130 lm of light for 1 hour) | 637,00 | 25,50 |
| 35.440.2004 | Flush-mounted emergency lighting fixture that operates for 3 hours in case of outage (LED, provides min. 130 lm of light for 3 hours) | 648,00 | 25,50 |
| 35.440.2005 | Surface-mounted emergency lighting fixture with 1-hour timer that operates continuously (LED, provides min. 130 lm of light for 1 hour) | 618,00 | 25,50 |
| 35.440.2006 | Surface-mounted emergency lighting fixture with 3-hour timer that operates continuously (LED, provides min. 130 lm of light for 3 hours) | 634,00 | 25,50 |
| 35.440.2007 | Flush-mounted emergency lighting fixture with 1-hour timer that operates continuously (LED, provides min. 130 lm of light for 1 hour) | 652,00 | 25,50 |
| 35.440.2008 | Flush-mounted emergency lighting fixture with 3-hour timer that operates continuously (LED, provides min. 130 lm of light for 3 hours) | 666,00 | 25,50 |
| **35.440.2100** | **Emergency LED directional lighting fixture**<br>Supply, transportation to the work site, and installation, of a single-side or double-side directional fixture complying with the standards related to color and sign formats, the Regulation on the Management of Waste Electric and Electronic Goods, the Regulation on Fire Protection of Buildings, the standards TS ISO 3864-1 /2, TS ISO 7010, TS EN 1838, TS EN 50172, and TS EN 60598-2-22, and 2014/35/EU Low Voltage Directive, and released with the CE marking. | | |
| 35.440.2101 | Emergency directional light fixture (with LED) with a single side, which operates for 1 hour in case of a power outage. | 541,00 | 25,50 |
| 35.440.2102 | Emergency directional light fixture (with LED) with a single side, which operates for 3 hours in case of a power outage. | 637,00 | 25,50 |
| 35.440.2103 | Emergency directional light fixture (with LED) with two sides, which operates for 1 hour in case of a power outage. | 561,00 | 25,50 |
| 35.440.2104 | Emergency directional light fixture (with LED) with two sides, which operates for 3 hours in case of a power outage. | 637,00 | 25,50 |
| **35.440.2200** | **Emergency Lighting Fixtures (portable) (Unit: Qty.)**<br>Supply to the work site and delivery in working order of a standalone and portable lighting fixture for emergency use and in compliance with TS EN 60598-2-22, with an operating temperature range of 0 to 40°C, min. IP 40 protection class, and a capacity to provide illumination for the specified period, which shall be equipped with a sealed, dry-type, fully maintenance-free, lead-acid battery, a charging circuit, supply voltage controller and lamp driver circuit | | |
| 35.440.2201 | 2 x 9 W, LED, 3 hours of operation | 894,00 | |
| 35.440.2202 | 2 x 15 W, LED, 3 hours of operation | 1.090,00 | |
| **35.445.1000** | **IP CAMERA SYSTEMS** | | |
| 35.445.1100 | **Outdoor Bullet Camera, Type 1: (Unit: Qty.)**<br>A minimum 2-MP, high-resolution, color, black/white IP bullet camera with day/night function shall have a minimum 1/3" CMOS sensor and progressive scan. The camera shall have minimum 30-meter night vision, mechanical IR filter and true Day/Night functionality. The resolution shall be minimum Full HD (1920x1080 px)Color and Black/White and minimum 25 fps (frames per second) or 30 fps (frames per second) for each video stream. The camera shall be equipped with a motorized lens adjustable between 3.2 mm and 9 mm. The camera shall have automatic backfocus (auto-focus, remote focus) functionality. The camera shall support H.265, H.264 and MJPEG image compression formats. The camera shall support 120 dB WDR (Wide Dynamic Range), ROI, 3D-DNR and BLC as minimum. The camera shall have minimum IP66 protection as per TS EN 60529 and minimum IK10 mechanical strength as per TS EN 62262. It shall have Power over Ethernet (PoE or PoE+) at IEEE 802.3af or IEEE 802.3at standards. It shall also have 12/24-Volt DC external power supply. The camera shall have a metal housing. Supply, transportation to the work site and installation in working order, including any material and labor, of the camera which shall be released with a CE marking in accordance with the Electromagnetic Compatibility Directive as well as the TS EN 55032, TS EN 55024, and TS EN 50130-4 standards. | 3.810,00 | 94,50 |
| 35.445.1200 | **Outdoor Bullet Camera, Type 2: (Unit: Qty.)**<br>Minimum 4-MP, high-resolution, color, black/white bullet IP camera with day/night functionality. It shall | 4.420,00 | 94,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | be equipped with minimum 1/3" CMOS image sensor and progressive scan functionality. The camera shall have minimum 30-meter night vision, mechanical IR filter and true Day/Night functionality. The camera shall support 4 MP (2688x1520) with minimum 20 fps (frames per second), and 3 MP (2048x1536), 2 MP (1920x1080), D1 (704x576) with minimum 25 fps (frames per second) or 30 fps (frames per second). The camera shall be equipped with a motorized lens adjustable between 3.2 mm and 9 mm. The camera shall have automatic backfocus (auto-focus, remote focus) functionality. It shall support H.265, H.264 and MJPEG image compression formats. The camera shall support 120 dB WDR, ROI, 3D-DNR and BLC as minimum. The camera shall have minimum IP66 protection as per TS EN 60529 and minimum IK10 mechanical strength as per TS EN 62262. It shall have Power over Ethernet (PoE or PoE+) at IEEE 802.3af or IEEE 802.3at standards. It shall also have 12-Volt DC external power supply. The camera shall have a metal housing. Supply, transportation to the work site and installation in working order, including any small materials and labor, of the camera which shall be released with a CE marking in accordance with the Electromagnetic Compatibility Directive as well as the TS EN 55032, TS EN 55024, and TS EN 50130-4 standards. | | |
| **35.445.1300** | **Indoor Dome Camera (Unit: Qty.)**<br>High-resolution, color, B/W dome IP camera with day/night functionality. It shall have a minimum 1/3" CMOS sensor, and support the 2-MP resolution with minimum 25 fps (frames per second) or 30 fps (frames per second), and 4-MP resolution with minimum 20 fps (frames per second). The camera shall have a mechanical IR filter and true Day/Night functionality. The camera shall be equipped with a motorized lens adjustable between 3.2 mm and 9 mm. The camera shall have automatic backfocus (auto-focus, remote focus) functionality. The camera shall support H.265, H.264 and MJPEG image compression formats. The camera shall support 120 dB WDR (Wide Dynamic Range), ROI, 3D-DNR and BLC as minimum. The camera shall have minimum IP66 protection as per TS EN 60529 and minimum IK10 mechanical strength as per TS EN 62262, and have a 12-Volt DC external power supply. Supply, transportation to the work site and installation in working order, including any small materials and labor, of the camera which shall be released with a CE marking in accordance with the Electromagnetic Compatibility Directive as well as the TS EN55032, TS EN55024, and TS EN 50130-4 standards. | | |
| 35.445.1301 | Minimum 2-MP Interior Dome Camera | 3.810,00 | 94,50 |
| 35.445.1302 | Minimum 4-MP Interior Dome Camera | 4.420,00 | 94,50 |
| 35.445.1400 | **Pan-Tilt-Zoom (PTZ) Camera (Unit: Qty.)**<br>It shall be a dual-stream IP camera with minimum 1/2.8" CMOS sensor, high-performance color video recording capability, and minimum 2-MP resolution. The camera shall feature starlight technology with minimum 120-dB WDR imaging sensor. It shall have a mechanical, hardware-based IR filter. The camera shall support H.265, H.264 and MJPEG compression formats. The camera shall have the capacity of holding 96 user-defined presets, 4 patterns, 8 routes and 1 linear scanning. The camera shall support the TCP(UDP)/IP, HTTP, HTTPS, FTP, SMTP, DHCP, NTP, RTSP, RTP, DNS, and DDNS formats. The camera shall internally operate with DC 12/24 Volts. It shall allow minimum 30x optical zoom. Supply, transportation to the work site and installation in working order, including any small materials and labor, of the camera which shall be released with a CE marking in accordance with the Electromagnetic Compatibility Directive as well as the TS EN55032, TS EN55024, and TS EN 50130-4 standards. | 15.390,00 | 118,00 |
| **35.445.1500** | **NETWORK VIDEO RECORDER (NVR)** | | |
| 35.445.1501 | **8-channel Network Video Recorder (Unit: Qty.)**<br>The device shall have 8-MP recording capability, and allow live streaming of minimum 8 units of 2-MP cameras. The recorder shall support the formats H.265, H.264 and MJPEG. The device shall have a minimum input bandwidth of 80 Mbps. The device shall be equipped with a 10/100 Mbit ethernet port. The device shall have a high-definition HDMI output. The device shall have minimum 2 hard drive inputs. The device shall have a hard disk with a minimum storage capacity of 6 TB. The recorder shall have an alarm input and output. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | 5.070,00 | 81,00 |
| 35.445.1502 | **16-channel Network Video Recorder (Unit: Qty.)**<br>The device shall have 8-MP recording capability, and allow live streaming of minimum 16 units of 2-MP cameras. The recorder shall support the formats H.265, H.264 and MJPEG. The device shall have a minimum input bandwidth of 160 Mbps. The device shall be equipped with a 10/100 Mbit ethernet port. The device shall have a high-definition HDMI output. The device shall be equipped with minimum 1 VGA display output. The device shall have minimum 2 hard drive inputs. The device shall have a hard disk with a minimum storage capacity of 12 | 7.930,00 | 118,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | TB. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | | |
| 35.445.1503 | **32-channel Network Video Recorder (Unit: Qty.)**<br>The device shall have 8-MP recording capability, and allow live streaming of minimum 16 units of 2-MP cameras. The recorder shall support the formats H.265, H.264 and MJPEG. The device shall have a minimum input bandwidth of 256 Mbps. The device shall be equipped with a 10/100/1000 Mbit ethernet port. The device shall be capable of digitally zooming in the image in live streaming and playback. The device shall have a high-definition HDMI output. The device shall be equipped with minimum 1 VGA display output. The device shall have minimum 4 hard drive inputs. The device shall have a hard disk with a minimum storage capacity of 24 TB. The device shall be equipped with an e-SATA output for scalable recording capacity. The recorder shall have an alarm input and output. It shall allow playback, recording, remote connection and live streaming. The recorder shall have an Rs485 connection port. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | 22.700,00 | 162,00 |
| 35.445.1504 | **64-channel Network Video Recorder (Unit: Qty.)**<br>The device shall have 8-MP recording capability, and allow live streaming of minimum 16 units of 2-MP cameras. The device shall have a minimum input network bandwidth of 320 Mbps. The device shall be equipped with a 10/100/1000 Mbit ethernet port. The recorder shall support the formats H.265, H.264 and MJPEG. The device shall be capable of digitally zooming in the image in live streaming and playback. The device shall have a high-definition HDMI output. The device shall be equipped with minimum 1 VGA display output. The device shall have minimum 8 hard drive inputs. The device shall have a hard disk with a minimum storage capacity of 64 TB. The device shall support RAID5 and RAID6. The device shall be equipped with an e-SATA output for scalable recording capacity. The recorder shall have an alarm input and output. It shall allow playback, recording, remote connection and live streaming. The recorder shall have an Rs485 connection port. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | 48.450,00 | 205,00 |
| 35.445.1505 | **128-channel Network Video Recorder (Unit: Qty.)**<br>The device shall have 8-MP recording capability, and allow live streaming of minimum 16 units of 2-MP cameras. The device shall have a minimum network bandwidth of 384 Mbps. The device shall be equipped with a 10/100/1000 Mbit ethernet port. The device shall be capable of digitally zooming in the image in live streaming and playback. The device shall have a high-definition HDMI output. The device shall be equipped with minimum 1 VGA display output. The video recorder shall have a Rs232 port for connection to a computer. The recorder shall be equipped with an Rs485 port. The recorder shall support the formats H.265, H.264 and MJPEG. The device shall have minimum 16 hard drive inputs. Hard drives shall be hot swappable in the form of a drawer on the front panel of the device. The device shall have a hard disk with minimum internal storage capacity of 128 TB. It shall support RAID5 or RAID6 configuration. The device shall be equipped with an e-SATA output for scalable recording capacity. The recorder shall have an alarm input and output. It shall allow playback, recording, remote connection and live streaming. The recorder shall have two redundant power supplies. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | 110.900,00 | 322,00 |
| **35.445.1600** | **CONTROLLABLE POE NETWORK SWITCHES** | | |
| 35.445.1601 | **8-port Controllable POE Network Switch (Unit: Qty.)**<br>The switch shall be equipped with minimum 8 x 10/100/1000 Ethernet PoE ports and minimum 2 x 1000 Base-X SFP ports. The device shall have minimum IEEE 802.3af and IEEE 802.3at (PoE, PoE+). The device shall supply 30 Watts per port with a minimum total PoE Budget of 120 Watts. The device shall have an operating voltage of 220V AC. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | 5.470,00 | 40,70 |
| 35.445.1602 | **16-port Controllable POE Network Switch (Unit: Qty.)** | 8.490,00 | 49,10 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | The switch shall be equipped with minimum 16 x 10/100/1000 Ethernet PoE ports and minimum 2 x 1000 Base-X SFP ports. The device shall be capable of actively operating 18 ports in total. The device shall have IEEE 802.3af and IEEE 802.3at (PoE, PoE+). The device shall supply 30 Watts of power per port. The device shall have a minimum PoE power of 240 watts. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | | |
| 35.445.1603 | **24-port Controllable POE Network Switch (Unit: Qty.)**<br>The switch shall be equipped with minimum 24 x 10/100/1000 Ethernet PoE ports and minimum 2 x 1000 Base-X SFP ports. The device shall be capable of actively operating 28 ports simultaneously. The device shall have minimum IEEE 802.3af and IEEE 802.3at (PoE, PoE+). The device shall supply 30 Watts of power per port. The device shall have a minimum PoE budget of 360 watts. Supply, transportation to the work site and installation in working order, including any minor installation materials and labor, of the equipment which shall be released with a CE marking in accordance with the 2014/35/EU The Low Voltage Directive (LVD). | 11.110,00 | 61,50 |
| 35.445.1700 | **Control Keyboard (Unit: Qty.)**<br>The control keyboard shall have RJ-45, RS-232 and RS-485 ports. It shall be capable of operating directly or in network mode. It shall have 1 x RJ-45 port, and provide IP, port and protocol data for NVR and IP PTZ cameras in network mode. It shall be equipped with an integrated LCD. It shall allow the user to pan, tilt and zoom with the camera. | 8.480,00 | 40,70 |
| **35.450.0000** | **HALL SOUND SYSTEMS: (Unit: Qty., Materials on construction site: 60%)**<br>The devices here shall comply with the annexed standards (TS 7370 IEC 50-161, TS EN 61672-1, TS 9712 HD 369.18 S1, TS EN 60268-3,TS 5989,TS 6024,TS 6331,TS EN 60268-7,TS 6505, TS 4376,TS 6506,TS 6509,TS EN 60268-4,TS 6537,TS 6538,TS 6539,TS EN 61305-3,TS 6665,TS 6909, TS 6910,TS 6024,TS EN 61938,TS 5989,TS 8063,TS 9712 HD 369.18 S1,TS EN 61672-1, CE Marking Decision (768/2008/EC) and RS 422 Electromagnetic Compatibility Directive (2004/108/EC), and Low Voltage Directive (2014/35/EU)). | | |
| **35.450.1000** | **AUDIO CONTROL AND RECORDING MIXERS: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of an operator audio control mixer used for audio broadcast and control with the number of channels with high input capacity and stereo equalizer, mono and stereo inputs, aux output, recording outputs with faders, and digital effects, and a switched audio mixer with automatic voltage selecting power supply. Other values shall be interpolated. | | |
| 35.450.1001 | 12-channel Audio Mixer | 6.280,00 | 247,00 |
| 35.450.1002 | 16-channel Audio Mixer | 8.350,00 | 303,00 |
| 35.450.1003 | 24-channel Audio Mixer | 13.390,00 | 329,00 |
| 35.450.1004 | 32-channel Audio Mixer | 16.510,00 | 437,00 |
| **35.450.1100** | **GRAPHIC EQUALIZER: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a selectable, filtered digital stereo graphic equalizer with the specified frequency value and compatible with rack installation, which shall be equipped with an input volume control and balanced inputs and outputs for each channel, and feedback, reverb, block and delay settings (including an acoustic measurement microphone), and high and low transition. Other values shall be interpolated. | | |
| 35.450.1101 | 1 x 31 Band Graphic Equalizer | 3.190,00 | 166,00 |
| 35.450.1102 | 2 x 15 Band Graphic Equalizer | 2.920,00 | 194,00 |
| 35.450.1103 | 2 x 31 Band Graphic Equalizer | 3.920,00 | 303,00 |
| 35.450.1200 | **OPERATOR MONITOR: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of an operator monitor speaker with min. 10-watt, 10-cm full-range speakers, 75 Hz to 18 kHz operating frequency, bass and treble equalizer settings adjustable using the knobs on the speaker, speaker line in - out and microphone input, Bass - Reflex configuration, and a power on/off button on the speaker. | 5.360,00 | 329,00 |
| **35.450.1300** | **Line transformer and its installation: (Unit: Qty., Materials on construction site: 60%)**<br>Installation, and delivery in working order, including any small material and labor, of line transformers with appropriate impedance for installation at the locations indicated in the project design to reduce the potential losses in such systems as speakers, telephones, intercoms, etc. | | |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.450.1301 | Internal type | 174,00 | 13,00 |
| 35.450.1302 | External type | 215,00 | 13,00 |
| **35.450.1400** | **Speaker and its installation: (Unit: Qty., Materials on construction site: 60%)**<br>Supply, installation, and delivery in working order, including any small material and labor, of speakers and speaker boxes in compliance with the standard TS 976 EN 60268-5 and the technical specifications. | | |
| 35.450.1401 | 3 to 5-Watt, single-sided speaker. | 235,00 | 13,00 |
| 35.450.1402 | 3 to 5-Watt, double-side speaker. | 576,00 | 13,00 |
| 35.450.1403 | 5-Watt, impact-resistant, single-sided speaker. | 254,00 | 13,00 |
| 35.450.1404 | 5-Watt, impact-resistant, double-side speaker. | 620,00 | 16,60 |
| 35.450.1405 | External-type, isobaric loudspeakers up to 10 W. | 781,00 | 16,60 |
| 35.450.1406 | 3 x 6-Watt, column-type speaker. | 699,00 | 15,30 |
| 35.450.1407 | 3 x 10-Watt, column-type speaker. | 739,00 | 15,30 |
| 35.450.1408 | 10 W, single-sided speaker | 237,00 | 15,30 |
| 35.450.1409 | 10 W, double-side speaker | 578,00 | 15,30 |
| 35.450.2000 | **DIGITAL PROCESSOR CROSSOVER: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a digital processor crossover with digital 24 bit/96 kHz configuration, 3 analog inputs and 6 analog outputs, adjustable delay for all inputs and outputs, electronically balanced XLR for input and output connections, and 1 x RS485°Connector. | 5.230,00 | 194,00 |
| **35.450.2100** | **MONITOR SPEAKER: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a full-range monitor speaker with a continuous power of 500 W and AES power of 350 W/8 ohm, a frequency range of 65 Hz to 18kHz, a crossover frequency of 3.5 kHz, full-range 125 dB SPL continuous, 128 dB peak sound pressure, 12” woofer and 1” HF speaker, CD Elliptic horn, and 90° × 60° sound propagation angle. Other values shall be interpolated. | | |
| 35.450.2101 | 10″ Monitor Speaker | 9.450,00 | 411,00 |
| 35.450.2102 | 12″ Monitor Speaker | 11.540,00 | 494,00 |
| 35.450.2103 | 15″ Monitor Speaker | 12.610,00 | 549,00 |
| **35.450.2200** | **SUBWOOFER SPEAKER: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a professional, weather-proof, LF speaker with 100 W / 400 W rms power and 35 to 150 Hz frequency response. | | |
| 35.450.2201 | 15″ Subwoofer Speaker | 13.660,00 | 597,00 |
| 35.450.2202 | 18″ Subwoofer Speaker | 16.780,00 | 710,00 |
| **35.450.2300** | **FULL-RANGE SPEAKER: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a full-range monitor speaker with a continuous power of 500 W and AES power of 350 W/8 ohm, a frequency range of 65 Hz to 18kHz, crossover frequency of 3.5 kHz, full-range 116 dB SPL continuous, 119 dB peak sound pressure, 1” HF speaker, 8-ohm speaker impedance, and sound propagation angle. | | |
| 35.450.2301 | 12″ Range Speaker | 11.540,00 | 494,00 |
| 35.450.2302 | 15″ Range Speaker | 12.630,00 | 578,00 |
| 35.450.2400 | **SPEAKER HANGING KIT: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of a mechanically secure wall hanging kit for mounting a speaker on a wall. | 678,00 | 276,00 |
| **35.450.2500** | **AUDIO CABLES: (Unit: BALANCED: m., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of a cable apparatus of international quality, which shall be made up of a pair of live cables and braided copper shielding for a balanced transmission of audio signals. Note: Payment shall be made per item 35.500.2000 and the relevant items. | | |
| **35.450.2600** | **TWINAX SPEAKER CABLE: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of a cable apparatus of international quality, which shall be made up of a pair of live cables and braided copper shielding for a balanced transmission of audio signals. Note: Payment shall be made per item 35.500.2000 and the relevant items. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.450.2700** | **MULTICORE AUDIO CABLE: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of a multicore audio cable apparatus that is made up of eight numbered wires for transfer of audio signal. Note: Payment shall be made per item 35.500.2000 and the relevant items. | | |
| 35.450.2800 | **STAGE BOX: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of a professional static black DKP sheet metal stage box with a connection panel with min. 8 audio connections and Neutrik or equivalent audio connectors, which shall be used for audio connections on stage. | 2.560,00 | 138,00 |
| **35.450.2900** | **RACK CABINET: (Unit: Qty., Materials on construction site: 60%)**<br>Note: The item 35.550.0000 shall be applicable. | | |
| 35.450.3000 | **(NEUTRIK CONNECTORS): (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of Neutrik connectors with Neutrik or equivalent voltage regulators used for installation, which shall be installed in 8-compartment stage boxes on both sides of the stage, allow microphone connection from the hall, and for which 8-wire multicore cables are laid. | 61,00 | 16,30 |
| 35.450.3100 | **Potentiometer and its wiring: (Unit: Qty., Materials on construction site: 60%)**<br>Installation of a flush-mounted or surface-mounted potentiometer outlet line using min. 0.75-mm² plastic-insulated conductors (TS-3930) within peschel, bergman or PVC pipes, with potentiometers with compatible characteristics with the speakers that it will be used with, including junction boxes, terminal blocks and any small material and labor. | 319,00 | 16,30 |
| 35.450.3200 | Channel selector (three channels) | 378,00 | 16,30 |
| **35.450.5000** | **Microphone: (Unit: Qty.: Materials on construction site 60%)**<br>Installation, and delivery, including any small material and labor, of crystal or dynamic microphones complying with TS 6509 and the relevant technical specifications, with min. 10-meter-long microphone cable, microphone socket and plug. | | |
| 35.450.5001 | Desktop microphone. | 419,00 | 16,30 |
| 35.450.5002 | Free-standing microphone. | 619,00 | 16,30 |
| 35.450.5003 | Hand-held microphone. | 319,00 | 16,30 |
| 35.450.5100 | **Microphone line wiring (Unit: m., Materials on construction site: 60%)**<br>Installation of a microphone line by shielded conductors through peschel, bergman or PVC pipes with hinged and lockable cover, min. 1-mm-thick DKP sheet metal coated with light gray, including flush-mounted or surface-mounted terminal boxes, junction boxes, terminal blocks, iron consoles, cable clips, paint, any small material and labor. | 22,30 | 13,60 |
| **35.450.5200** | **16-CHANNEL UHF RADIO MICROPHONE SET: (Unit: Set, Materials on construction site: 60%)**<br>The radio microphone system shall operate as a transceiver on UHF. Delivery in working order with a microphone stand, transceivers, internal and external antennae, and any small material and labor. | | |
| 35.450.5201 | Hand type | 3.080,00 | |
| 35.450.5202 | Lapel type | 3.080,00 | |
| 35.450.5203 | Head type | 3.290,00 | |
| 35.450.5300 | **MICROPHONE STAND (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a microphone stand that can be installed easily on a desktop and used with an XLR connector and gooseneck microphone. | 785,00 | 112,00 |
| 35.450.5400 | **VOCAL DYNAMIC MICROPHONE: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a professional, weather-proof microphone with 100 W/400 W rms speakers. | 674,00 | |
| 35.450.5500 | **DYNAMIC MICROPHONE INSTRUMENT (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a dynamic microphone instrument with a frequency range of 50 to 1,600 Hz (near) and 100 to 14,000 Hz (far), supercardioid polar pattern, open circuit voltage of 2.4 mV/Pa at 1 kHz (0 dB= 1 V/Pa), an on/off switch on the device, a nominal impedance of 600 ohms, and a load impedance greater than 1,000 ohms. | 843,00 | |
| 35.450.5600 | **MICROPHONE STAND (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a microphone stand compatible with the stage, height and instrument use. | 277,00 | 26,70 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.450.5700** | **Amplifier and its installation: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including any small material and labor, of a sound amplifier in compliance with the relevant technical specifications and installation of the amplifier on the designated location on an iron frame, including the frame and coating. | | |
| 35.450.5701 | 25 W | 1.650,00 | 30,30 |
| 35.450.5702 | 40 W | 1.850,00 | 30,30 |
| 35.450.5703 | 75 W | 2.850,00 | 30,30 |
| 35.450.5704 | 100 W | 2.850,00 | 30,30 |
| 35.450.5705 | 200 W | 5.660,00 | 31,50 |
| 35.450.5706 | 300 W | 5.660,00 | 37,10 |
| **35.460.0000** | **STAGE LIGHTING SYSTEM** | | |
| **35.460.1000** | **LIGHT CONTROL MIXERS: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of light controller mixer with light, chaser, stage memory and MB flash card, which shall be programmable by a PC, suitable for theater applications, support the DMX 512 protocol, and control programs equal to the number of channels. Other values shall be interpolated. | | |
| 35.460.1010 | 24-channel Light Controller Mixer | 6.220,00 | 635,00 |
| 35.460.1020 | 48-channel Light Controller Mixer | 10.210,00 | 1.370,00 |
| **35.460.1100** | **HALL LIGHTING CONTROLLER, DIMMER: (Unit: Qty., Materials on construction site: 60%)**<br>The device shall be microprocessor-controlled with each channel supplying 12 A. Thus, such functions as channel status, channel levels, pre-heating and balancing curve shall be performed on the device. The device shall be equipped with a cooling mechanism to prevent heat-related problems and the device shall be capable of operating without the need for external control equipment. It shall be possible to update the firmware and install new versions easily by an RS-232 connection. Power connectors on the back of the device shall be equipped with 3-phase supply and automatic line protection, and the device shall be delivered with any small material and labor. | | |
| 35.460.1110 | 6- channel Digital Dimmer | 10.410,00 | 1.370,00 |
| 35.460.1120 | 12- channel Digital Dimmer | 20.440,00 | 1.370,00 |
| **35.460.1200** | **PROFILE SPOT: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery with any small material and labor of a profile spot 14°/32° with a security chain and suspension apparatus, iris diaphragm and gobo holder, equipped with an adjustable light source, a protection system that cuts off power when it is necessary to replace the lamp, which shall operate with a tungsten lamp of desired power, provide a uniform focus and light beam control by 50 percent more lamps than the number of spots required, and provide a light level of 200 to 2,800 lux in various distances, and IP 55-certified. | | |
| 35.460.1210 | 650-W Profile Spot | 9.840,00 | 1.140,00 |
| 35.460.1220 | 1,000-W Profile Spot | 10.930,00 | 1.140,00 |
| 35.460.1230 | 2000-W Profile Spot | 11.580,00 | 1.140,00 |
| **35.460.1300** | **PC SPOT, BARN DOOR: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of an IP-55-certified barn-door PC spot operating with a tungsten lamp, which shall be equipped with the desired number of spotlight lamps, a PC optical system to provide a sharp and smooth light beam, an adjustable light source, and a light beam of 200 to 2,800 lux or more at various distances, complete with a color filter holder, safety guard, 4-wing shutter epoxy powder coating. | | |
| 35.460.1310 | 300/500 W PC Spot, Barndoor, 500 W light bulb | 3.840,00 | 241,00 |
| 35.460.1320 | 650/1000 W PC SpoT, Barn Door, 1000 W light bulb | 4.160,00 | 241,00 |
| **35.460.1400** | **FRESNEL SPOTLIGHT, BARN DOOR: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of Fresnel spotlights with barndoors and tungsten lamp, with a smoother light beam compared to PC spots and adjustable to different angles offered by the number of Fresnel optical systems supplied with spotlight lamps equal to the number of spotlights; with an illuminance value of 250 to 1,900 lux and IP 55 certificate, equipped with a color filter, holder, safety guard, 4-wing shutter, and epoxy powder coating. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.460.1410 | 300/500w Fresnel Spotlight Barn Door, 500 W light bulb | 3.840,00 | 241,00 |
| 35.460.1420 | 650/1000w Fresnel Spotlight Barn Door, 1000 W light bulb | 4.160,00 | 241,00 |
| **35.460.1500** | **PAR SPOTLIGHT AND LIGHT BULB: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of IP-55-certified PAR spotlights and lightbulbs with color filter holder and epoxy powder exterior coating, which shall operate with a 1000-W tungsten lamp. | | |
| 35.460.1510 | PAR 56 Spotlight and light bulb | 1.780,00 | 26,70 |
| 35.460.1520 | PAR 64 Spotlight and light bulb | 2.210,00 | 26,70 |
| **35.470.0000** | **VIDEO DATA PROJECTION SYSTEMS** | | |
| **35.470.1000** | **PROJECTOR: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of a Projector with ANSI lumen power, compatible with video systems and computers, complete with a suspension apparatus and a distance lens for use of the device from the operator room. | | |
| 35.470.1001 | 2000 ANSI lumens, 1024 x 768 resolution | 6.100,00 | 432,00 |
| 35.470.1002 | 2500 ANSI lumens, 1024 x 768 resolution | 8.040,00 | 432,00 |
| 35.470.1003 | 3000 ANSI lumens, 1024 x 768 resolution | 9.970,00 | 432,00 |
| 35.470.1004 | 3500 ANSI lumens, 1024 x 768 resolution | 11.920,00 | 432,00 |
| 35.470.1005 | 4000 ANSI lumens, 1024 x 768 resolution | 13.800,00 | 432,00 |
| 35.470.1006 | 4500 ANSI lumens, 1024 x 768 resolution | 15.710,00 | 432,00 |
| 35.470.1007 | 5000 ANSI lumens, 1024 x 768 resolution | 17.680,00 | 432,00 |
| 35.470.1008 | 6500 ANSI lumens, 1024 x 768 resolution | 19.820,00 | 432,00 |
| **35.470.2000** | **HYDRAULIC STAGE PLATFORM (WITH A LIFT) (Unit: Qty., Materials on construction site: 60%)**<br>Delivery in working order, including materials and labor, of a system to be used for taking decoration elements or actors from the orchestra pit to the stage on the ground floor, bearing the CE marking and in compliance with the standards TS EN 50347, TS EN 60034-1 , TS EN 50347, and TS EN 60034-1, with electric motors complying with the Machinery Directive (2006/42/EC), panels complying with TS EN 61439-1, and switches and contactors complying with TS 4915 EN 60669-1 as well as the mechanical and electrical project designs; with a sufficient bar value for its lifting capacity, an upper chassis and truss system made of ST 37 NPU profile, the bottom chassis placed in the platform pit made of trusses coupled by roller bearings, a 3-phase electric motor, a hydraulic safety valve operating in compliance with the operating pressure, lifting and capacity, speed setting, locking and directional valve, hydraulic hose break valve, and hydraulic steel pipes, hoses and bushes that connect them, pistons and fittings with clamps made of ST 52 shafts and chrome-plated materials over C 1050, two-bearing truss castors made of C 1050, splines made of DBR 14 bronze material, and equipped with an electric control panel, lower and upper limit breakers, power limiters (safety switch) connected using 4 x 2.5 TTR cables, and with earthing, which moves vertically up to 5 m. with the main frame moved by an actuator cylinder driven by a wing pump placed in the oil tank. Note: For the systems where trusses are not used and that are not driven directly, installed unit prices shall be reduced by 30 percent, and the installation fees shall remain unchanged. | | |
| 35.470.2001 | Lifting capacity: up to 5 tons | 116.600,00 | 10.690,00 |
| 35.470.2002 | Lifting capacity: up to 10 tons | 139.300,00 | 14.940,00 |
| 35.470.2003 | Lifting capacity: up to 20 tons | 171.300,00 | 19.140,00 |
| 35.470.2004 | Lifting capacity: up to 30 tons | 212.100,00 | 21.290,00 |
| 35.470.2005 | Lifting capacity: up to 40 tons | 261.000,00 | 23.390,00 |
| **35.470.3000** | **ELECTRIC PROJECTOR SCREEN: (Unit: Qty., Materials on construction site: 60%)**<br>Delivery, including any small material and labor, of an electric projector screen in 4:3 format and of front projection type, with a screen video gain of min. 1.2 and viewing angle of min. 150°, with aluminum guards for the screen and motor, which shall be motorized and remote controllable, and awarded the M1 7201-96 certificate for fire protection. | | |
| 35.470.3001 | 200 x 150 motorized screen | 1.790,00 | 166,00 |
| 35.470.3002 | 250 x 190 motorized screen | 2.410,00 | 194,00 |
| 35.470.3003 | 300 x 225 motorized screen | 3.200,00 | 220,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.470.3004 | 350 x 265 motorized screen | 3.790,00 | 247,00 |
| 35.470.3005 | 400 x 300 motorized screen | 4.480,00 | 276,00 |
| 35.470.3006 | 450 x 340 motorized screen | 5.230,00 | 329,00 |
| 35.470.3007 | 500 x 375 motorized screen | 6.500,00 | 385,00 |
| 35.470.3008 | 600 x 450 motorized screen | 8.150,00 | 549,00 |
| 35.470.3009 | 700 x 575 motorized screen | 9.130,00 | 710,00 |
| **35.470.4000** | **POWER AMPLIFIER (Unit: Qty., Materials on construction site: 60%)**<br>It shall be a professional device compatible with the microphones in the system, and equipped with full protection (overload, short circuit, DC output protection, thermal, ultrasonic and RF protection). Delivery in working order, including any small material and labor, of a power amplifier with IEC 265-8 Wrms output power; 2x280 W rms/8 ohms; 2 x 450 W rms / 4 ohms; 2 x 700 W rms / 2 ohms of output power, and Power, Signal and Clip LED indicators on the front panel. Other values shall be interpolated. | | |
| 35.470.4001 | 2 x 100 W Power Amplifier | 2.600,00 | 224,00 |
| 35.470.4002 | 2 x 150 W Power Amplifier | 3.630,00 | 251,00 |
| 35.470.4003 | 2 x 250 W Power Amplifier | 4.520,00 | 398,00 |
| 35.470.4004 | 2 x 450 W Power Amplifier | 6.870,00 | 426,00 |
| 35.470.4005 | 2 x 800 W Power Amplifier | 8.120,00 | 494,00 |
| 35.470.4006 | 2 x 1,150 W Power Amplifier | 9.810,00 | 596,00 |
| **35.480.0000** | **ANTENNA INSTALLATION (Materials on construction site: 60%)** | | |
| 35.480.1000 | **Television outlet line (Unit: Qty.)**<br>Installation and delivery in working order, including any small material and labor, of a television outlet line with an antenna downlead and special power socket distributor terminal block, laid as a coaxial cable through an appropriate PVC pipe in compliance with the technical specifications (shielded microphone cables shall not be used). Unit: No additional charge shall apply unless the length of the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.505.1000. | 89,50 | 73,00 |
| 35.480.1100 | **Television antenna (Unit: Qty.)**<br>Supply and installation, including any material and labor, of a television antenna in compliance with TS 489 and the relevant technical specifications (with a min. 3-m long 25-mm diameter galvanized pipe paid separately per the relevant unit price with installation free of charge).<br>4-element Antenna | 102,00 | 73,00 |
| 35.480.1101 | 10- element Antenna | 139,00 | 73,00 |
| 35.480.1102 | 14- element Antenna | 157,00 | 73,00 |
| 35.480.1103 | 17- element Antenna | 174,00 | 73,00 |
| **35.480.1200** | **Collective distribution amplifier for television antenna (Unit: Qty.)**<br>Supply, installation at the relevant location, and delivery in working order, including any small material and labor, of a collective distribution amplifier for television antenna in compliance with the relevant technical specifications, with 220-v supply line, a downlead between the antenna and the amplifier, and a distribution panel. | | |
| 35.480.1201 | Distribution amplifier with 4 to 20 db antenna gain | 698,00 | 207,00 |
| 35.480.1202 | Distribution amplifier with 21 to 40 db antenna gain | 725,00 | 207,00 |
| **35.480.1300** | **Splitters (Unit: Qty., Materials on construction site: 60%) (in compliance with TS EN 60728-6)**<br>Supply of splitters with a main input and auxiliary outputs, resistance, capacitor, winding, and connectors equal to the number of inputs and outputs, compatible with the coaxial cables used in Radio, TV, Radar, Fire Control, several transmitter devices, security, satellite aerials, CCTV aerials and metering systems, which can operate in the frequency range of 40 to 862 MHz,<br>Distributor type Max dB loss | | |
| 35.480.1301 | 1/2 4.0 | 21,40 | 4,65 |
| 35.480.1302 | 1/3 6.5 | 28,30 | 4,65 |
| 35.480.1303 | 1/4 8.0 | 29,80 | 4,65 |
| 35.480.1304 | 1/6 11.0 | 71,50 | 4,65 |
| 35.480.1305 | 1/8 12.0 | 84,50 | 4,65 |
| **35.480.1400** | **Tars (Tap Off) (Unit: Qty., Materials on construction site: 60%)**<br>Supply of distributors with a main input and auxiliary outputs, resistance, capacitor, winding, | | |

| Item No | Job Type | | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|---|
| | and connectors equal to the number of inputs and outputs, compatible with the coaxial cables used in Radio, TV, Radar, Fire Control, several transmitter devices, security, satellite aerials, CCTV aerials and metering systems, which can operate in the frequency range of 40 to 862 MHz. Distributor type Main output max dB loss Auxiliary output max dB loss | | | | |
| 35.480.1401 | 2/1 | 2.2 | 20 | 40,30 | 4,95 |
| 35.480.1402 | 2/2 | 4.5 | 20 | 46,10 | 4,95 |
| 35.480.1403 | 2/4 | 4.5 | 15.5 | 64,50 | 4,95 |
| 35.480.1404 | 2/6 | 8.0 | 17.5 | 75,50 | 4,95 |
| 35.480.1405 | 2/8 | 9.5 | 19.5 | 84,50 | 4,95 |
| **35.485.0000** | **ACCUMULATOR AND RECTIFIER INSTALLATION: (Materials on construction site: 60%)**<br>(*)[2] To be performed with the provisions of the "Regulation on Waste Battery and Accumulator Control" published in the Official Gazette no. 25569 dated 31 August 2004. | | | | |
| **35.485.1000** | **Rectifier and its installation: (Unit: Qty., Materials on construction site: 60%)**<br>Supply of a dry rectifier in compliance with TS 9592 and the relevant Technical Specifications, installation with charge and discharge relays, metering instruments (ammeter and voltmeter) on the panel, breaker and control switches, wiring until the batteries, and delivery in working order including any small material and labor. | | | | |
| 35.485.1001 | Up to 24 V 20 A | | | 678,00 | 68,00 |
| 35.485.1002 | Up to 24 V 10 A | | | 550,00 | 68,00 |
| 35.485.1003 | Up to 24 V 5 A | | | 516,00 | 68,00 |
| 35.485.1004 | Up to 24 V 2 A | | | 353,00 | 68,00 |
| **35.490.0000** | **INTERCOM WIRING: (Unit: Qty.: Materials on construction site 60%)** | | | | |
| **35.490.1100** | **Intercom Panel and its installation: (Unit: Qty., Materials on construction site: 60%)**<br>Installation and delivery in working order, including any small material and labor, of an intercom panel with the sufficient number of intercom sub-stations (not including the supply line). | | | | |
| 35.490.1101 | Intercom panel with 5 sub-stations | | | 535,00 | 82,00 |
| 35.490.1102 | Intercom panel with 10 sub-stations | | | 643,00 | 82,00 |
| 35.490.1103 | Intercom panel with 15 sub-stations | | | 820,00 | 82,00 |
| 35.490.1104 | Intercom panel with 20 sub-stations | | | 1.030,00 | 82,00 |
| 35.490.1105 | **Intercom panel with 24 sub-stations**<br>(A 5-sub-station Panel has 1 Intercom Panel and 5 sub-stations). | | | 1.140,00 | 82,00 |
| 35.490.1200 | **Additional intercom sub-station, and installation (Unit: Qty.)**<br>Installation and delivery, including any small material and labor, of intercom sub-stations. | | | 44,20 | 11,00 |
| 35.490.1300 | **Intercom supply line (Unit: m.)**<br>Installation of a flush-mounted or surface-mounted intercom supply line using min. 0.75-mm² plastic-insulated conductors with 2 cladding layers (TS-3930) with two cores through a peschel, bergman or PVC pipe, including any small material and labor. | | | 15,70 | 11,00 |
| **35.500.0000** | **FIRE ALARM AND SIGNAL CABLES** | | | | |
| **35.500.1000** | **J-Y(St)Y Fire Alarm Cables (Unit: m) (VDE 0815)**<br>Supply to the work site, including the gateway and safety pipes, any material and labor, of fire alarm cables with conductors complying with TS EN 60228, an operating temperature range of -30°C to +70°C (for fixed wiring) as per DIN VDE 0815, PVC cladding insulation as per TS EN 50290-2-21, twisted strands, aluminum foil wrapping and earth wire, where the exterior casing shall be RAL 3000 red in compliance with TS EN 50290-2-22, flame retardation and self-extinction of PVC in compliance with the TS EN 60332-1-2 and TS 13767 standards, which shall be used for security systems, communication, indoor and dry areas. (The PVC pipe is included for the internal wiring.)<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | | | |
| 35.500.1001 | 1 x 2 x 0.8 + 0.8 mm² | | | 8,90 | 3,10 |
| 35.500.1002 | 2 x 2 x 0.8 + 0.8 mm² | | | 12,50 | 3,10 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.500.1003 | 3 x 2 x 0.8 + 0.8 mm² | 16,00 | 3,10 |
| 35.500.1004 | 4 x 2 x 0.8 + 0.8 mm² | 20,00 | 3,10 |
| 35.500.1005 | 5 x 2 x 0.8 + 0.8 mm² | 27,00 | 3,10 |
| 35.500.1006 | 6 x 2 x 0.8 + 0.8 mm² | 31,90 | 3,10 |
| 35.500.1007 | 8 x 2 x 0.8 + 0.8 mm² | 40,90 | 3,10 |
| 35.500.1008 | 10 x 2 x 0.8 + 0.8 mm² | 50,50 | 3,10 |
| 35.500.1009 | 1 x 2 x 1 + 1 mm² | 12,00 | 3,10 |
| 35.500.1010 | 2 x 2 x 1 + 1 mm² | 17,20 | 3,10 |
| 35.500.1011 | 3 x 2 x 1 + 1 mm² | 22,60 | 3,10 |
| 35.500.1012 | 4 x 2 x 1 + 1 mm² | 28,00 | 3,10 |
| 35.500.1013 | 5 x 2 x 1 + 1 mm² | 38,50 | 3,10 |
| 35.500.1014 | 6 x 2 x 1 + 1 mm² | 46,10 | 3,10 |
| 35.500.1015 | 8 x 2 x 1 + 1 mm² | 52,50 | 3,10 |
| 35.500.1016 | 10 x 2 x 1 + 1 mm² | 74,50 | 3,10 |
| 35.500.1017 | 1 x 2 x 1.5 + 1.5 mm² | 18,10 | 3,10 |
| 35.500.1018 | 2 x 2 x 1.5 + 1.5 mm² | 27,90 | 3,10 |
| 35.500.1019 | 3 x 2 x 1.5 + 1.5 mm² | 37,50 | 3,10 |
| 35.500.1020 | 4 x 2 x 1.5 + 1.5 mm² | 47,10 | 3,10 |
| 35.500.1021 | 5 x 2 x 1.5 + 1.5 mm². | 65,50 | 3,10 |
| 35.500.1022 | 6 x 2 x 1.5 + 1.5 mm² | 78,50 | 3,10 |
| 35.500.1023 | 8 x 2 x 1.5 + 1.5 mm² | 101,00 | 3,10 |
| 35.500.1024 | 10 x 2 x 1.5 + 1.5 mm² | 125,00 | 3,10 |
| 35.500.1025 | 1 x 2 x 2.5 + 2.5 mm² | 28,20 | 3,10 |
| 35.500.1026 | 2 x 2 x 2.5 + 2.5 mm² | 43,80 | 3,10 |
| 35.500.1027 | 3 x 2 x 2.5 + 2.5 mm² | 60,00 | 3,10 |
| 35.500.1028 | 4 x 2 x 2.5 + 2.5 mm² | 76,00 | 3,10 |
| 35.500.1029 | 5 x 2 x 2.5 + 2.5 mm² | 107,00 | 3,10 |
| 35.500.1030 | 6 x 2 x 2.5 + 2.5 mm² | 127,00 | 3,10 |
| 35.500.1031 | 8 x 2 x 2.5 + 2.5 mm² | 166,00 | 3,10 |
| 35.500.1032 | 10 x 2 x 2.5 + 2.5 mm² | 206,00 | 3,10 |
| **35.500.2000** | **LIYCY, LIYC2Y or LIY(St)CY-TP Type Instrumentation, signal and controller cables: (Unit: m) (VDE 0812)**<br>Supply to the worksite, including gateways and security pipes as well as any material and labor of TS 13755- and TS EN 60332-1-2-compliant instrument, signal and command cacbles in the form of flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers shielded by AL-PES wrapping tape with an earthing wirecompliance with the standards. (The PVC pipe is included for the internal wiring.)<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| **35.500.2100** | **LIYCY, LIYC2Y Signal cables** | | |
| 35.500.2101 | 2 x 0.14 mm² | 6,15 | 1,70 |
| 35.500.2102 | 12 x 0.14 mm² | 15,00 | 1,70 |
| 35.500.2103 | 14 x 0.14 mm² | 17,90 | 1,70 |
| 35.500.2104 | 16 x 0.14 mm² | 19,00 | 1,70 |
| 35.500.2105 | 18 x 0.14 mm² | 20,30 | 1,70 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.500.2106 | 20 x 0.14 mm² | 22,50 | 1,70 |
| 35.500.2107 | 25 x 0.14 mm² | 25,70 | 1,70 |
| 35.500.2108 | 3 x 0.14 mm² | 6,95 | 1,70 |
| 35.500.2109 | 4 x 0.14 mm² | 8,50 | 1,70 |
| 35.500.2110 | 5 x 0.14 mm² | 9,15 | 1,70 |
| 35.500.2111 | 6 x 0.14 mm² | 10,80 | 1,70 |
| 35.500.2112 | 7 x 0.14 mm² | 11,40 | 1,70 |
| 35.500.2113 | 8 x 0.14 mm² | 12,10 | 1,70 |
| 35.500.2114 | 9 x 0.14 mm² | 13,60 | 1,70 |
| 35.500.2115 | 10 x 0.14 mm² | 11,20 | 1,70 |
| 35.500.2116 | 2 x 0.25 mm² | 7,85 | 1,70 |
| 35.500.2117 | 14 x 0.25 mm² | 22,80 | 1,70 |
| 35.500.2118 | 16 x 0.25 mm² | 25,80 | 1,70 |
| 35.500.2119 | 18 x 0.25 mm² | 27,80 | 1,70 |
| 35.500.2120 | 20 x 0.25 mm² | 29,90 | 1,70 |
| 35.500.2121 | 25 x 0.25 mm² | 37,20 | 1,70 |
| 35.500.2122 | 3 x 0.25 mm² | 8,80 | 1,70 |
| 35.500.2123 | 4 x 0.25 mm² | 9,80 | 1,70 |
| 35.500.2124 | 5 x 0.25 mm² | 11,70 | 1,70 |
| 35.500.2125 | 6 x 0.25 mm² | 12,90 | 1,70 |
| 35.500.2126 | 7 x 0.25 mm² | 13,70 | 1,70 |
| 35.500.2127 | 8 x 0.25 mm² | 15,70 | 1,70 |
| 35.500.2128 | 10 x 0.25 mm² | 18,90 | 1,70 |
| 35.500.2129 | 12 x 0.25 mm² | 20,80 | 1,70 |
| 35.500.2130 | 2 x 0 34 mm² | 10,20 | 2,15 |
| 35.500.2131 | 14 x 0.34 mm² | 30,90 | 2,15 |
| 35.500.2132 | 16 x 0.34 mm² | 35,10 | 2,15 |
| 35.500.2133 | 18 x 0.34 mm² | 39,20 | 2,15 |
| 35.500.2134 | 20 x 0.34 mm² | 42,40 | 2,15 |
| 35.500.2135 | 25 x 0.34 mm² | 51,00 | 2,15 |
| 35.500.2136 | 3 x 0.34 mm² | 11,60 | 2,15 |
| 35.500.2137 | 4 x 0.34 mm² | 12,90 | 2,15 |
| 35.500.2138 | 5 x 0.34 mm² | 15,20 | 2,15 |
| 35.500.2139 | 6 x 0.34 mm² | 16,90 | 2,15 |
| 35.500.2140 | 7 x 0.34 mm² | 18,10 | 2,15 |
| 35.500.2141 | 8 x 0.34 mm² | 20,50 | 2,15 |
| 35.500.2142 | 10 x 0.34 mm² | 21,90 | 2,15 |
| 35.500.2143 | 12 x 0.34 mm² | 25,10 | 2,15 |
| 35.500.2144 | 2 x 0.50 mm² | 10,80 | 2,15 |
| 35.500.2145 | 3 x 0.50 mm² | 12,40 | 2,15 |
| 35.500.2146 | 4 x 0.50 mm² | 14,90 | 2,15 |
| 35.500.2147 | 5 x 0.50 mm² | 16,70 | 2,15 |
| 35.500.2148 | 6 x 0.50 mm² | 19,60 | 2,15 |
| 35.500.2149 | 7 x 0.50 mm² | 21,20 | 2,15 |
| 35.500.2150 | 8 x 0.50 mm² | 23,80 | 2,15 |
| 35.500.2151 | 9 x 0.50 mm² | 25,60 | 2,15 |
| 35.500.2152 | 10 x 0.50 mm² | 27,20 | 2,15 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.500.2153 | 12 x 0.50 mm² | 32,20 | 2,15 |
| 35.500.2154 | 14 x 0.50 mm² | 36,00 | 2,15 |
| 35.500.2155 | 16 x 0.50 mm² | 40,50 | 2,15 |
| 35.500.2156 | 18 x 0.50 mm² | 44,50 | 2,15 |
| 35.500.2157 | 20 x 0.50 mm² | 49,40 | 2,15 |
| 35.500.2158 | 25 x 0.50 mm² | 60,00 | 2,15 |
| 35.500.2159 | 2 x 0.75 mm² | 12,30 | 2,15 |
| 35.500.2160 | 3 x 0.75 mm² | 15,60 | 2,15 |
| 35.500.2161 | 4 x 0.75 mm² | 18,00 | 2,15 |
| 35.500.2162 | 5 x 0.75 mm² | 21,30 | 2,15 |
| 35.500.2163 | 6 x 0.75 mm² | 25,00 | 2,15 |
| 35.500.2164 | 7 x 0.75 mm² | 27,20 | 2,15 |
| 35.500.2165 | 8 x 0.75 mm² | 29,80 | 2,15 |
| 35.500.2166 | 9 x 0.75 mm² | 33,30 | 2,15 |
| 35.500.2167 | 10 x 0.75 mm² | 35,70 | 2,15 |
| 35.500.2168 | 12 x 0.75 mm² | 41,60 | 2,15 |
| 35.500.2169 | 14 x 0.75 mm² | 47,10 | 2,15 |
| 35.500.2170 | 16 x 0.75 mm² | 53,50 | 2,15 |
| 35.500.2171 | 18 x 0.75 mm² | 59,00 | 2,15 |
| 35.500.2172 | 20 x 0.75 mm² | 65,50 | 2,15 |
| 35.500.2173 | 25 x 0.75 mm² | 81,00 | 2,15 |
| 35.500.2174 | 2 x 1.0 mm² | 15,50 | 2,75 |
| 35.500.2175 | 3 x 1.0 mm² | 19,60 | 2,75 |
| 35.500.2176 | 4 x 1.0 mm² | 22,80 | 2,75 |
| 35.500.2177 | 5 x 1.0 mm² | 27,10 | 2,75 |
| 35.500.2178 | 6 x 1.0 mm² | 31,70 | 2,75 |
| 35.500.2179 | 7 x 1.0 mm² | 34,80 | 2,75 |
| 35.500.2180 | 8 x 1.0 mm² | 38,10 | 2,75 |
| 35.500.2181 | 9 x 1.0 mm² | 42,50 | 2,75 |
| 35.500.2182 | 10 x 1.0 mm² | 45,00 | 2,75 |
| 35.500.2183 | 12 x 1.0 mm² | 53,50 | 2,75 |
| 35.500.2184 | 14 x 1.0 mm² | 60,00 | 2,75 |
| 35.500.2185 | 16 x 1.0 mm² | 68,50 | 2,75 |
| 35.500.2186 | 18 x 1.0 mm² | 76,50 | 2,75 |
| 35.500.2187 | 20 x 1.0 mm² | 84,50 | 2,75 |
| 35.500.2188 | 25 x 1.0 mm² | 105,00 | 2,75 |
| 35.500.2189 | 2 x 1.5 mm² | 18,60 | 2,75 |
| 35.500.2190 | 3 x 1.5 mm² | 22,70 | 2,75 |
| 35.500.2191 | 4 x 1.5 mm² | 28,00 | 2,75 |
| 35.500.2192 | 5 x 1.5 mm² | 33,20 | 2,75 |
| 35.500.2193 | 6 x 1.5 mm² | 38,90 | 2,75 |
| 35.500.2194 | 7 x 1.5 mm² | 44,00 | 2,75 |
| 35.500.2195 | 8 x 1.5 mm² | 49,00 | 2,75 |
| 35.500.2196 | 9 x 1.5 mm² | 55,00 | 2,75 |
| 35.500.2197 | 10 x 1.5 mm² | 59,50 | 2,75 |
| 35.500.2198 | 12 x 1.5 mm² | 70,00 | 2,75 |
| 35.500.2199 | 14 x 1.5 mm² | 79,50 | 2,75 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.500.2200 | 16 x 1.5 mm² | 90,00 | 2,75 |
| 35.500.2201 | 18 x 1.5 mm² | 99,50 | 2,75 |
| 35.500.2202 | 20 x 1.5 mm² | 112,00 | 2,75 |
| 35.500.2203 | 25 x 1.5 mm² | 137,00 | 2,75 |
| 35.500.2204 | 2 x 2.5 mm² | 25,20 | 2,75 |
| 35.500.2205 | 3 x 2.5 mm² | 31,90 | 2,75 |
| 35.500.2206 | 4 x 2.5 mm² | 39,30 | 2,75 |
| 35.500.2207 | 5 x 2.5 mm² | 48,30 | 2,75 |
| 35.500.2208 | 6 x 2.5 mm² | 56,00 | 2,75 |
| 35.500.2209 | 7 x 2.5 mm² | 63,50 | 2,75 |
| 35.500.2210 | 8 x 2.5 mm² | 71,50 | 2,75 |
| 35.500.2211 | 9 x 2.5 mm² | 80,00 | 2,75 |
| 35.500.2212 | 10 x 2.5 mm² | 88,50 | 2,75 |
| 35.500.2213 | 12 x 2.5 mm² | 105,00 | 2,75 |
| 35.500.2214 | 14 x 2.5 mm² | 123,00 | 2,75 |
| 35.500.2215 | 16 x 2.5 mm² | 140,00 | 2,75 |
| 35.500.2216 | 18 x 2.5 mm² | 155,00 | 2,75 |
| 35.500.2217 | 20 x 2.5 mm² | 171,00 | 2,75 |
| 35.500.2218 | 25 x 2.5 mm² | 212,00 | 2,75 |
| | **LIY (St) CY-TP signal cable** | | |
| 35.500.2401 | 2x2x0.22 mm² | 11,50 | 3,10 |
| 35.500.2402 | 3 x 2 x 0.22 mm² | 14,70 | 3,10 |
| 35.500.2403 | 4x2x0.22 mm² | 17,60 | 3,10 |
| 35.500.2404 | 5x2x0.22 mm² | 19,40 | 3,10 |
| 35.500.2405 | 6x2x0.22 mm² | 22,80 | 3,10 |
| 35.500.2406 | 7x2x0.22 mm² | 24,50 | 3,10 |
| 35.500.2407 | 8x2x0.22 mm² | 27,60 | 3,10 |
| 35.500.2408 | 10x2x0.22 mm² | 34,70 | 4,95 |
| 35.500.2409 | 12x2x0.22 mm² | 39,40 | 4,95 |
| 35.500.2410 | 15x2x0.22 mm² | 53,00 | 4,95 |
| 35.500.2411 | 18x2x0.22 mm² | 67,50 | 4,95 |
| 35.500.2412 | 20x2x0.22 mm² | 77,00 | 4,95 |
| 35.500.2413 | 2x25x0.22 mm² | 83,50 | 4,95 |
| 35.500.2414 | 2x2x0.34 mm² | 15,50 | 3,10 |
| 35.500.2415 | 3x2x0.34 mm² | 20,00 | 3,10 |
| 35.500.2416 | 4x2x0.34 mm² | 24,20 | 3,10 |
| 35.500.2417 | 5x2x0.34 mm² | 28,60 | 3,10 |
| 35.500.2418 | 6x2x0.34 mm² | 32,00 | 3,10 |
| 35.500.2419 | 7x2x0.34 mm² | 36,30 | 3,10 |
| 35.500.2420 | 8x2x0.34 mm² | 39,80 | 3,10 |
| 35.500.2421 | 10x2x0.34 mm² | 49,70 | 4,95 |
| 35.500.2422 | 12x2x0.34 mm² | 59,50 | 4,95 |
| 35.500.2423 | 15x2x0.34 mm² | 77,00 | 4,95 |
| 35.500.2424 | 2x2x0.50 mm² | 17,50 | 3,10 |
| 35.500.2425 | 3x2x0.50 mm² | 22,50 | 3,10 |
| 35.500.2426 | 4x2x0.50 mm² | 27,40 | 3,10 |
| 35.500.2427 | 5x2x0.50 mm² | 31,20 | 3,10 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.500.2428 | 6x2x0.50 mm² | 36,20 | 3,10 |
| 35.500.2429 | 7x2x0.50 mm² | 40,30 | 3,10 |
| 35.500.2430 | 8x2x0.50 mm² | 45,20 | 3,10 |
| 35.500.2431 | 9x2x0.50 mm² | 51,00 | 4,95 |
| 35.500.2432 | 10x2x0.50 mm² | 56,00 | 4,95 |
| 35.500.2433 | 12x2x0.50 mm² | 67,50 | 4,95 |
| 35.500.2434 | 2x2x0.75 mm² | 20,10 | 3,10 |
| 35.500.2435 | 3x2x0.75 mm² | 27,70 | 3,10 |
| 35.500.2436 | 4x2x0.75 mm² | 32,90 | 3,10 |
| 35.500.2437 | 5x2x0.75 mm² | 39,20 | 3,10 |
| 35.500.2438 | 6x2x0.75 mm² | 45,70 | 3,10 |
| 35.500.2439 | 7x2x0.75 mm² | 51,00 | 3,10 |
| 35.500.2440 | 8x2x0.75 mm² | 58,00 | 3,10 |
| 35.500.2441 | 10x2x0.75 mm² | 71,00 | 4,95 |
| 35.500.2442 | 12x2x0.75 mm² | 87,00 | 4,95 |
| 35.500.2443 | 14x2x0.75 mm² | 89,50 | 4,95 |
| 35.500.2444 | 16x2x0.75 mm² | 95,50 | 4,95 |
| 35.500.2445 | 18x2x0.75 mm² | 111,00 | 4,95 |
| 35.500.2446 | 20x2x0.75 mm² | 127,00 | 4,95 |
| 35.500.2447 | 25x2x0.75 mm² | 166,00 | 4,95 |
| 35.500.2448 | 2x2x1.00 mm² | 24,00 | 3,10 |
| 35.500.2449 | 3x2x1.00 mm² | 33,10 | 3,10 |
| 35.500.2450 | 4x2x1.00 mm² | 39,80 | 3,10 |
| 35.500.2451 | 5x2x1.00 mm² | 47,70 | 3,10 |
| 35.500.2452 | 6x2x1.00 mm² | 56,50 | 3,10 |
| 35.500.2453 | 7x2x1.00 mm² | 63,00 | 3,10 |
| 35.500.2454 | 8x2x1.00 mm² | 71,00 | 3,10 |
| 35.500.2455 | 10x2x1.00 mm² | 82,00 | 4,95 |
| 35.500.2456 | 12x2x1.00 mm² | 107,00 | 4,95 |
| 35.500.2457 | 14x2x1.00 mm² | 116,00 | 4,95 |
| 35.500.2458 | 16x2x1.00 mm² | 124,00 | 4,95 |
| 35.500.2459 | 18x2x1.00 mm² | 139,00 | 4,95 |
| 35.500.2460 | 20x2x1.00 mm² | 175,00 | 4,95 |
| 35.500.2461 | 25x2x1.00 mm² | 236,00 | 4,95 |
| 35.500.2462 | 2x2x1.50 mm² | 29,80 | 3,10 |
| 35.500.2463 | 3x2x1.50 mm² | 40,70 | 3,10 |
| 35.500.2464 | 4x2x1.50 mm² | 51,00 | 3,10 |
| 35.500.2465 | 5x2x1.50 mm² | 62,00 | 3,10 |
| 35.500.2466 | 6x2x1.50 mm² | 73,00 | 3,10 |
| 35.500.2467 | 7x2x1.50 mm² | 82,00 | 3,10 |
| 35.500.2468 | 8x2x1.50 mm² | 92,50 | 3,10 |
| 35.500.2469 | 10x2x1.50 mm² | 119,00 | 4,95 |
| 35.500.2470 | 12x2x1.50 mm² | 143,00 | 4,95 |
| 35.500.2471 | 14x2x1.50 mm² | 148,00 | 4,95 |
| 35.500.2472 | 16x2x1.50 mm² | 170,00 | 4,95 |
| 35.500.2473 | 18x2x1.50 mm² | 192,00 | 4,95 |
| 35.500.2474 | 20x2x1.50 mm² | 231,00 | 4,95 |

| Item No | Job Type | | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|---|
| 35.500.2475 | 25x2x1.50 mm² | | 348,00 | 4,95 |
| 35.500.2476 | 2x2x2.50 mm² | | 41,70 | 3,10 |
| 35.500.2477 | 3x2x2.50 mm² | | 59,50 | 3,10 |
| 35.500.2478 | 4x2x2.50 mm² | | 76,50 | 3,10 |
| 35.500.2479 | 5x2x2.50 mm² | | 92,50 | 3,10 |
| 35.500.2480 | 6x2x2.50 mm² | | 110,00 | 3,10 |
| 35.500.2481 | 7x2x2.50 mm² | | 125,00 | 3,10 |
| 35.500.2482 | 8x2x2.50 mm² | | 144,00 | 3,10 |
| 35.500.2483 | 10x2x2.50 mm² | | 177,00 | 4,95 |
| 35.500.2484 | 12x2x2.50 mm² | | 219,00 | 4,95 |
| 35.500.2485 | 14x2x2.50 mm² | | 232,00 | 4,95 |
| 35.500.2486 | 16x2x2.50 mm² | | 274,00 | 4,95 |
| 35.500.2487 | 18x2x2.50 mm² | | 359,00 | 4,95 |
| 35.500.2488 | 20x2x2.50 mm² | | 377,00 | 4,95 |
| 35.500.2489 | 25x2x2.50 mm² | | 405,00 | 4,95 |
| **35.505.0000** | **COAXIAL AND COPPER DATA CABLES** | | | |
| **35.505.1000** | **Coaxial Cables: (Unit: m)**<br>Supply to the work site, including gateway and security pipes, any material and labor, of coaxial cables manufactured as per TS EN 50117-1 and 2014/35/EU Low Voltage Directive and released with the CE compliance marking, for use with radio, TV, radar, fire control, several transmitter devices, security satellite aerials, CCTV aerials and measurement systems, and applications where signal loss should be minimized or external interference should be avoided. Note: The peschel, bergman or PVC pipe is included for the internal wiring.<br>Cable Type Impedance (ohm) | | | |
| 35.505.1001 | RG 6AU | 75 | 26,70 | 4,95 |
| 35.505.1002 | RG 11 A/U | 75 | 22,60 | 4,95 |
| 35.505.1003 | RG 59 B/U | 75 | 12,70 | 4,95 |
| 35.505.1004 | RG 216 U | 75 | 30,60 | 4,95 |
| 35.505.1005 | RF 75-7-1 | 75 | 20,60 | 4,95 |
| 35.505.1006 | RF 75-7-3 | 75 | 30,60 | 4,95 |
| 35.505.1007 | RG 8A/U | 50 | 25,20 | 4,95 |
| 35.505.1008 | RG 58 A/U | 50 | 10,30 | 4,95 |
| 35.505.1009 | RG 58 C/U | 50 | 13,00 | 4,95 |
| 35.505.1010 | RG 58-U | 50 | 12,20 | 4,95 |
| 35.505.1011 | RG 174-U | 50 | 10,30 | 4,95 |
| 35.505.1012 | RG 212 -U | 50 | 54,50 | 4,95 |
| 35.505.1013 | RG 213-U | 50 | 34,20 | 4,95 |
| 35.505.1014 | RG 214-U | 50 | 89,50 | 4,95 |
| 35.505.1015 | RG 59-U-4 | 75 | 12,00 | 4,95 |
| 35.505.1016 | RG 59-U-6 | 75 | 12,70 | 4,95 |
| 35.505.1017 | RG 6/U-4 | 75 | 12,70 | 4,95 |
| 35.505.1018 | RG 6/U-4P | 75 | 14,00 | 4,95 |
| 35.505.1019 | RG 6/U-4A | 75 | 19,00 | 4,95 |
| 35.505.1020 | RG 6/U-6 | 75 | 14,70 | 4,95 |
| 35.505.1021 | RG 6/U-6P | 75 | 14,70 | 4,95 |
| 35.505.1022 | RG 6/U-6A | 75 | 22,60 | 4,95 |
| 35.505.1023 | RG 11/U-4 | 75 | 22,60 | 4,95 |
| 35.505.1024 | RG 11/U-4P | 75 | 22,60 | 4,95 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.505.1025 | RG 11/U-4A 75 | 25,40 | 4,95 |
| 35.505.1026 | RG 11/U-6 75 | 23,30 | 4,95 |
| 35.505.1027 | RG 11/U-6 75 | 32,00 | 4,95 |
| 35.505.1028 | RG 11/U-6P 75 | 23,80 | 4,95 |
| 35.505.1029 | HF 7537 75 | 9,70 | 4,95 |
| 35.505.1030 | RG 62 A/U 93/105 | 12,20 | 4,95 |
| 35.505.1031 | RG 62 A/U-1 93/105 | 14,00 | 4,95 |
| 35.505.1032 | RG 62 A/U-2 93/105 | 12,20 | 4,95 |
| 35.505.1033 | RG 71 B/U 93/105 | 18,00 | 4,95 |
| **35.505.2000** | **COPPER DATA CABLES (Unit: m., Materials on construction site: 60%)** | | |
| 35.505.2010 | **UTP CAT 5e Cable: (Unit: m., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) unshielded twisted pairs (Unshielded Helical Twist) and PVC outer casing for all of the wires in CAT 5E standard and in compliance with the 24 AWG (American Wire Gauge) 0.5-mm bare-stranded copper coating criteria, which shall be used for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item). | 9,70 | 3,10 |
| 35.505.2020 | **FTP CAT 5e Cable: (Unit: m., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) twisted pairs with shielding made of a polyester strip and tin foil winding (Shielded Helical Twist) and PVC outer casing for all of the wires in CAT 5E standard and in compliance with the 24 AWG (American Wire Gauge) 0.5-mm bare-stranded copper coating criteria, which shall be used for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item). | 10,90 | 3,10 |
| 35.505.2030 | **UTP CAT 6 Cable: (Unit: m., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) unshielded twisted pairs and PVC outer casing around a star separator for all of the wires in CAT 6 standard and in compliance with the 23 AWG (American Wire Gauge) 0.57-mm bare-stranded copper coating criteria, which shall be used for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item). | 11,10 | 3,10 |
| 35.505.2040 | **FTP CAT 6 Cable: (Unit: m., Materials on construction site: 60%)**<br>Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) unshielded twisted pairs fully wrapped in a polyester strip and tin foil and PVC outer casing around a star separator for all of the wires in CAT 6 standard and in compliance with the 23 AWG (American Wire Gauge) 0.57-mm bare-stranded copper coating criteria, which shall be used for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item). | 13,20 | 3,10 |
| 35.505.6100 | **UTP CAT 5e Flush-mounted Single Socket: (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact in CAT 5e Standards cores with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, single-port, PVC frame, spring-loaded cover, including labor, labels, installation, testing and transportation. | 45,40 | 3,10 |
| 35.505.6110 | **UTP CAT 5e Flush-mounted Double Socket: (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards | 53,00 | 3,10 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, two-port, PVC frame, spring-loaded cover, including labor, labels, installation, testing and transportation. | | |
| 35.505.6120 | **UTP CAT 5e Surface-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, single-port, PVC frame, Socket Box, spring-loaded cover, including labor, labels, installation, testing and transportation. | 60,50 | 3,10 |
| 35.505.6130 | **UTP CAT 5e Surface-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, double-port, PVC frame, Socket Box, spring-loaded cover, including labor, labels, installation, testing and transportation. | 60,50 | 3,10 |
| 35.505.6140 | **FTP CAT 5e Surface-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, single-port, PVC frame, backbox, spring-loaded cover, label, including labor, installation, labels, testing and transportation. | 60,50 | 3,10 |
| 35.505.6150 | **FTP CAT 5e Surface-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, double-port, PVC frame, backbox, spring-loaded cover, label, including labor, installation, labels, testing and transportation. | 60,50 | 3,10 |
| 35.505.6160 | **FTP CAT 5e Flush-mounted Single Socket: (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, single-port, PVC frame, spring-loaded cover, label, including labor, installation, testing and transportation. | 46,10 | 3,10 |
| 35.505.6170 | **FTP CAT 5e Flush-mounted Double Socket: (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, double-port, PVC frame, spring-loaded cover, label, including labor, installation, testing and transportation. | 80,50 | 3,10 |
| 35.505.6180 | **UTP CAT 6 Surface-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 6 Standards with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN) in CAT 6 standard. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, single-port, PVC frame, spring-loaded socket cover, including labor, installation, testing and transportation. | 60,50 | 3,10 |
| 35.505.6190 | **UTP CAT 6 Surface-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 6 Standards with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN), in CAT 6 standards. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, double-port, PVC frame, Socket Box, spring-loaded cover, and labels, including labor, installation, testing and transportation. | 90,50 | 3,10 |
| 35.505.6200 | **UTP CAT 6 Flush-mounted Single Socket: (Unit: Qty., Materials on construction site: 60%)** | 52,00 | 3,10 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | The product with 8 x RJ-45°Contact cores with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN), in CAT 6 standards. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, ISO-certified, flush-mounted, single-port, PVC frame, Socket Box, spring-loaded cover, and labels, including labor, installation, testing and transportation. | | |
| 35.505.6210 | **UTP CAT 6 Flush-mounted Double Socket: (Unit: Qty., Materials on construction site: 60%)**<br>The product with 8 x RJ-45°Contact cores in CAT 6 Standards with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN), in CAT 6 standards. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, double-port, PVC frame, Socket Box, spring-loaded cover, and labels, including labor, installation, testing and transportation. | 94,00 | 3,10 |
| **35.505.7100** | **UTP CAT 5e Patch Panel (Unit: Qty., Materials on construction site: 60%)**<br>The item shall be in CAT 5E standards, 19 inches wide, unshielded, with RJ-45 8-contact female connector, and the Connector Contact Point coated with a highly conductive material, which shall be used at 100-MHz bandwidth and 100-Mbps data transfer rate for cable terminations at the points of contact in local area networks (LAN), horizontal distribution and telecommunication rooms, equipment terminations and noisy environments. It shall be made of steel, aluminum, aluminum alloy or anodized aluminum, in compliance with the standards ANSI/TIA/EIA-568 B and ISO/IEC -11801, and labels, labor, installation, testing and transportation shall be included. | | |
| 35.505.7101 | 24 Ports | 496,00 | 121,00 |
| 35.505.7102 | 48 Ports | 973,00 | 186,00 |
| **35.505.7200** | **FTP CAT 5e Patch Panel (Unit: Qty., Materials on construction site: 60%)**<br>The item shall be in CAT 5E standards, 19 inches wide, shielded, with RJ-45 8-contact female connector, and the Connector Contact Point coated with a highly conductive material, which shall be used at 100-MHz bandwidth and 100-Mbps data transfer rate for cable terminations at the points of contact in local area networks (LAN), horizontal distribution and telecommunication rooms, equipment terminations and noisy environments. It shall be made of steel, aluminum, aluminum alloy or anodized aluminum, in compliance with the standards ANSI/TIA/EIA-568 B and ISO/IEC -11801, and labels, labor, installation, testing and transportation shall be included. | | |
| 35.505.7201 | 24 Ports | 787,00 | 106,00 |
| 35.505.7202 | 48 Ports | 788,00 | 134,00 |
| **35.505.7300** | **UTP CAT 6 Patch Panel (Unit: Qty., Materials on construction site: 60%)**<br>The item shall be in CAT 6 standards, 19 inches wide, unshielded, with RJ-45 8-contact female connector, and the Connector Contact Point coated with a highly conductive material, which shall be used at 250-MHz bandwidth and 1000-Mbps data transfer rate for cable terminations at the points of contact in local area networks (LAN), horizontal distribution and telecommunication rooms, equipment terminations. It shall be made of steel, aluminum, aluminum alloy or anodized aluminum, in compliance with the standards ANSI/TIA/EIA-568 B.2-1 and ISO/IEC -11801, and labels, labor, installation, and testing shall be included. | | |
| 35.505.7301 | 24 Ports | 990,00 | 171,00 |
| 35.505.7302 | 48 Ports | 1.960,00 | 241,00 |
| **35.510.0000** | **MAIN LINE INSTALLATION (Materials on construction site: 60%) (TS-3930)** | | |
| **35.510.1100** | **Trunk line installation within the building: (Unit: m)**<br>Installing trunk line wires with PVC-insulated and PVC-sheathed telephone cables 0.5 mm in diameter with conductors color-coded as per the standards and installed to prevent through peschel, bergman or PVC pipes within the building, including any small material and labor. | | |
| 35.510.1101 | Up to 1 pair (with ground) P.14 | 11,40 | 4,05 |
| 35.510.1102 | Up to 2 pairs (with ground) P.14 | 12,30 | 4,65 |
| 35.510.1103 | Up to 4 pairs (with ground) P.14 | 16,50 | 4,65 |
| 35.510.1104 | Up to 6 pairs (with ground) P.18 | 21,10 | 7,00 |
| 35.510.1105 | Up to 10 pairs (with ground) P.18 | 24,80 | 7,45 |
| 35.510.1106 | Up to 16 pairs (with ground) P.26 | 33,10 | 8,30 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.510.1107 | Up to 20 pairs (with ground) P.26 | 48,20 | 8,60 |
| 35.510.1108 | Up to 30 pairs (with ground) P.26 | 65,00 | 9,10 |
| 35.510.1109 | Up to 50 pairs (with ground) P.37 | 97,50 | 9,75 |
| 35.510.1110 | Up to 100 pairs (with ground) P.37 | 177,00 | 11,00 |
| **35.510.1200** | **Trunk line installation outside the building: (Unit: m) (TS-3930)**<br>Installation of main line wiring at building interior or exterior using exterior type telephone cables 0.5 mm in diameter, manufactured as certified for compliance with the TS EN 60708 standard, colored as per the relevant standards and positioned to prevent crosstalk, resistant to moisture and water, with annealed electrolytic copper conductors, polyethylene insulator, polyethylene interior jacket, aluminum shield and polyethylene exterior jacket laid through cable ducts, reinforced concrete ducts, PVC pipes or directly through earth at building exterior, and through peschel, bergman and PVC pipes or cable clips at building interior, including any small material and labor (installation of PVC pipes, cable ducts, conduits, bricks, briquettes and laying sand at building exterior shall be charged per the relevant items.) | | |
| 35.510.1201 | Up to 2 pairs (with ground) | 21,20 | 4,05 |
| 35.510.1202 | Up to 6 pairs (with ground) | 30,00 | 4,65 |
| 35.510.1203 | Up to 10 pairs (with ground) | 34,00 | 7,00 |
| 35.510.1204 | Up to 20 pairs (with ground) | 53,00 | 7,45 |
| 35.510.1205 | Up to 30 pairs (with ground) | 71,50 | 8,60 |
| 35.510.1206 | Up to 50 pairs (with ground) | 97,50 | 9,10 |
| 35.510.1207 | Up to 100 pairs (with ground) | 164,00 | 10,30 |
| 35.510.1208 | Up to 150 pairs (with ground) | 240,00 | 12,90 |
| 35.510.1209 | Up to 200 pairs (with ground) | 314,00 | 13,80 |
| **35.510.1300** | **Exterior-type telephone cable with suspension wires and 0.5 mm in diameter (Unit: m.)** | | |
| 35.510.1301 | Up to 10 pairs (with ground) | 37,20 | 4,65 |
| 35.510.1302 | Up to 20 pairs (with ground) | 53,00 | 7,00 |
| 35.510.1303 | Up to 30 pairs (with ground) | 67,50 | 7,45 |
| 35.510.1304 | Up to 50 pairs (with ground) | 103,00 | 8,60 |
| 35.510.1305 | Up to 100 pairs (with ground) | 186,00 | 8,60 |
| 35.510.1306 | Up to 150 pairs (with ground) | 252,00 | 9,75 |
| 35.510.1307 | Up to 200 pairs (with ground) | 335,00 | 11,00 |
| **35.510.1400** | **Exterior-type telephone cable with suspension wires and 0.9 mm in diameter (Unit: m.)** | | |
| 35.510.1401 | Up to 10 pairs (with ground) | 78,00 | 4,65 |
| 35.510.1402 | Up to 20 pairs (with ground) | 131,00 | 7,00 |
| 35.510.1403 | Up to 30 pairs (with ground) | 185,00 | 7,45 |
| 35.510.1404 | Up to 50 pairs (with ground) | 281,00 | 8,60 |
| **35.510.1500** | **Trunk line installation outside the building: (Unit: m)**<br>Installation of main line wiring at building interior or exterior using exterior type telephone cables 0.9 mm in diameter, manufactured as certified for compliance with the TS EN 60708 standard, colored as per the relevant standards and positioned to prevent crosstalk, resistant to moisture and water, with annealed electrolytic copper conductors, polyethylene insulator, polyethylene interior jacket, aluminum shield and polyethylene exterior jacket as described in the item 35.510.1200. | | |
| 35.510.1501 | Up to 10 pairs (with ground) | 79,00 | 7,00 |
| 35.510.1502 | Up to 20 pairs (with ground) | 137,00 | 7,45 |
| 35.510.1503 | Up to 30 pairs (with ground) | 187,00 | 8,60 |
| 35.510.1504 | Up to 50 pairs (with ground) | 278,00 | 9,10 |
| 35.510.1505 | Up to 100 pairs (with ground) | 488,00 | 10,30 |
| **35.510.1600** | **Telephone distribution panels: (Unit: Qty., Materials on construction site: 60%).**<br>A flush-mounted or surface-mounted distribution panel on each floor with hinged and lockable door and made of 1-mm-thick DKP sheet metal and coated with gun-sprayed paint of the desired color, including small fixtures and fittings, special telephone terminal box, duly forming and soldering the cable tips entering the box, any small material and labor. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.510.1601 | Up to 10 pairs | 152,00 | 58,50 |
| 35.510.1602 | Up to 30 pairs | 255,00 | 73,00 |
| 35.510.1603 | Up to 50 pairs | 341,00 | 107,00 |
| 35.510.1604 | Up to 100 pairs | 571,00 | 169,00 |
| 35.510.1605 | Up to 150 pairs | 755,00 | 238,00 |
| 35.510.1606 | Up to 200 pairs | 913,00 | 299,00 |
| **35.510.1700** | **Self-extinguishing plastic telephone distribution panels: (Unit: Qty.,** Materials on construction site: 60 percent) Self-extinguishing plastic telephone distribution panel, including a cable termination module that couples cables without screws or solder and by separating the cable insulator without using any other tool, and a (seamless) stainless steel roof and coupling of the flush-mounted or surface-mounted cables by appropriate color codes. The other specifications shall be the same as the item 35.510.1600. | | |
| 35.510.1701 | Up to 20 pairs | 224,00 | 58,50 |
| 35.510.1702 | Up to 30 pairs | 269,00 | 73,00 |
| 35.510.1703 | Up to 50 pairs | 381,00 | 103,00 |
| 35.510.1704 | Up to 100 pairs | 693,00 | 163,00 |
| 35.510.1705 | Up to 150 pairs | 1.000,00 | 227,00 |
| 35.510.1706 | Up to 200 pairs | 1.260,00 | 281,00 |
| **35.510.1800** | **Weather-proof plastic distribution panels: (Unit: Qty., Materials on construction site: 60%) (TSE Certificate of Quality)** Glass-fiber-reinforced polyester weather-proof telephone box: Cable termination module coupled by a coupling instrument without using screws or solder, by peeling off the cable insulator. The panel shall have a weather-proof (seamless) stainless steel roof, and the cables entering the panel shall be contacted according to the color codes. Other specifications shall be as specified in the item 35.510.1600. | | |
| 35.510.1801 | Up to 30 pairs | 385,00 | 73,00 |
| 35.510.1802 | Up to 50 pairs | 499,00 | 103,00 |
| 35.510.1803 | Up to 80 pairs | 701,00 | 129,00 |
| 35.510.1804 | Up to 100 pairs | 757,00 | 163,00 |
| 35.510.1805 | Up to 150 pairs | 1.060,00 | 227,00 |
| 35.510.1806 | Up to 200 pairs | 1.380,00 | 281,00 |
| **35.510.1900** | **Telephone device and its installation: (Unit: Qty., Materials on construction site: 70%).** Supply and delivery in working order, including any small material and labor, of a desktop or wall-mounted telephone. Quality certified by TSE. | | |
| 35.510.1901 | Service type | 58,00 | |
| 35.510.1902 | Push-button, automatic type | 267,00 | |
| 35.510.2000 | **Telephone wiring outlet line: (Unit: Qty., Materials on construction site: 60%)** Installation of a flush-mounted or surface-mounted telephone outlet line by a plastic-sheath telephone cable (TS EN 60708 with plastic-insulated conductors 0.50 mm in diameter in peschel, bergman or PVC. Junction box, special telephone socket plug, casing and any small material and labor shall be included. (An individual line shall be installed for each telephone fr the floor distribution panel, including the ground line and excluding the trunk line and the device.) Unit: No payment shall be made unless the length of the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.510.0000. | 129,00 | 55,50 |
| 35.510.2100 | **Parallel telephone outlet line: (Unit: Qty., Materials on construction site: 60%)** Installation of a flush-mounted or surface-mounted parallel telephone outlet line by a plastic-sheath telephone cable (TS E 60708) with plastic-insulated conductors 0.5 mm in diameter in peschel, bergman or PVC pipe. Junction box, terminal block, special telephone socket, plug, casing and any small material and labor shall be included (the main line and the device shall be included but the earth line shall not be included). Unit: No additional charge shall apply unless the length o the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.510.0000. | 65,50 | 28,80 |
| 35.510.2200 | **Weather-proof telephone outlet line: (Unit: Qty., Materials on construction site: 60%)** The same as the item 35.510.2000 except that the telephone outlet line shall only be made of weather-proof materials and with PVC-insulated polyethylene-sheathed telephone wires. Unit: No additional charge shall apply unless the length of the outlet line exceeds 20 m. The part of the outlet line exceedi 20 m shall be charged per the item 35.510.0000. | 173,00 | 63,50 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| 35.510.2300 | **Telephone plug - socket (Unit: Qty.)**<br>Installation, including the housing and any small material and labor, of telephone plugs and sockets with threaded connection leads and fireproof housing, for use with telephones, which shall be equipped with male and female contacts, used as flush mounted and surface mounted, and designed differently from the plugs and sockets to be used with high current. | 24,90 | 4,70 |
| **35.515.0000** | **HALOGEN-FREE CABLES** | | |
| **35.515.1000** | **J-H(St)H HALOGEN-FREE FIRE ALARM CABLES (Unit: m.) (VDE 0815)**<br>Supply to the work site, including the gateway and safety pipes, any material and labor, of insulated fire alarm cables with copper conductors complying with TS EN 60228, an operating temperature range of -30°C to +70°C (for fixed wiring) as per DIN VDE 0815, halogen-free, flame-retardant cladding insulation as per TS EN 50290-2-26, twisted strands, aluminum foil wrapping and earth wire, where the exterior casing shall be RAL 7032 gray, halogen-free, flame-retardant in compliance with TS 13767, TS EN 50290-2-27, which shall be used for security systems, communication, indoor and dry areas. Note: HFFR pipe is included for the internal wiring.<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.515.1001 | 1 x 2 x 0.8 + 0.8 mm² | 8,15 | 3,10 |
| 35.515.1002 | 2 x 2 x 0.8 + 0.8 mm² | 11,10 | 3,10 |
| 35.515.1003 | 3 x 2 x 0.8 + 0.8 mm² | 14,00 | 3,10 |
| 35.515.1004 | 4 x 2 x 0.8 + 0.8 mm² | 17,80 | 3,10 |
| 35.515.1005 | 5 x 2 x 0.8 + 0.8 mm² | 24,50 | 3,10 |
| 35.515.1006 | 6 x 2 x 0.8 + 0.8 mm² | 29,60 | 3,10 |
| 35.515.1007 | 8 x 2 x 0.8 + 0.8 mm² | 37,10 | 3,10 |
| 35.515.1008 | 10 x 2 x 0.8 + 0.8 mm² | 49,10 | 3,10 |
| 35.515.1009 | 1 x 2 x 1 + 1 mm² | 10,50 | 3,10 |
| 35.515.1010 | 2 x 2 x 1 + 1 mm² | 14,90 | 3,10 |
| 35.515.1011 | 3 x 2 x 1 + 1 mm² | 19,40 | 3,10 |
| 35.515.1012 | 4 x 2 x 1 + 1 mm² | 24,00 | 3,10 |
| 35.515.1013 | 5 x 2 x 1 + 1 mm² | 29,80 | 3,10 |
| 35.515.1014 | 6 x 2 x 1 + 1 mm² | 42,10 | 3,10 |
| 35.515.1015 | 8 x 2 x 1 + 1 mm² | 54,50 | 3,10 |
| 35.515.1016 | 10 x 2 x 1 + 1 mm² | 68,00 | 3,10 |
| 35.515.1017 | 1 x 2 x 1.5 + 1.5 mm² | 15,60 | 3,10 |
| 35.515.1018 | 2 x 2 x 1.5 + 1.5 mm² | 23,30 | 3,10 |
| 35.515.1019 | 3 x 2 x 1.5 + 1.5 mm² | 31,10 | 3,10 |
| 35.515.1020 | 4 x 2 x 1.5 + 1.5 mm² | 38,80 | 3,10 |
| 35.515.1021 | 5 x 2 x 1.5 + 1.5 mm². | 55,00 | 3,10 |
| 35.515.1022 | 6 x 2 x 1.5 + 1.5 mm² | 66,50 | 3,10 |
| 35.515.1023 | 8 x 2 x 1.5 + 1.5 mm² | 85,00 | 3,10 |
| 35.515.1024 | 10 x 2 x 1.5 + 1.5 mm² | 106,00 | 3,10 |
| 35.515.1025 | 1 x 2 x 2.5 + 2.5 mm² | 23,50 | 3,10 |
| 35.515.1026 | 2 x 2 x 2.5 + 2.5 mm² | 35,90 | 3,10 |
| 35.515.1027 | 3 x 2 x 2.5 + 2.5 mm² | 48,70 | 3,10 |
| 35.515.1028 | 4 x 2 x 2.5 + 2.5 mm² | 63,00 | 3,10 |
| 35.515.1029 | 5 x 2 x 2.5 + 2.5 mm² | 89,50 | 3,10 |
| 35.515.1030 | 6 x 2 x 2.5 + 2.5 mm² | 107,00 | 3,10 |
| 35.515.1031 | 8 x 2 x 2.5 + 2.5 mm² | 159,00 | 3,10 |
| 35.515.1032 | 10 x 2 x 2.5 + 2.5 mm² | 173,00 | 3,10 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.515.2000** | **LIH(St)H HALOGEN-FREE SIGNAL and CONTROLLER CABLE (Unit: m.) (VDE 0812)**<br>Supply to the worksite, including gateways and security pipes as well as any material and labor of halogen-free, unshielded control and internal connection cables, flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers (operating temperature: -30°C and +70°C), shielded by AL-PES wrapping tape with an earthing wire, with the outer jacket made of flame-retardant HFFR compound in RAL 7001 gray, in compliance with the standards: TS 13755, IEC-332-1, IEC-332-3, IEC-60754, IEC-60332 flame test, TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, and certified for passing the flame test. Note: HFFR pipes are included for the internal wiring.<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.515.2001 | 2 x 0.14 mm² | 5,00 | 2,75 |
| 35.515.2002 | 3 x 0.14 mm² | 6,10 | 2,75 |
| 35.515.2003 | 4 x 0.14 mm² | 6,95 | 2,75 |
| 35.515.2004 | 5 x 0.14 mm² | 7,70 | 2,75 |
| 35.515.2005 | 6 x 0.14 mm² | 8,65 | 2,75 |
| 35.515.2006 | 7 x 0.14 mm² | 9,25 | 2,75 |
| 35.515.2007 | 8 x 0.14 mm² | 10,10 | 2,75 |
| 35.515.2008 | 9 x 0.14 mm² | 10,90 | 2,75 |
| 35.515.2009 | 10 x 0.14 mm² | 11,60 | 2,75 |
| 35.515.2010 | 12 x 0.14 mm² | 13,00 | 2,75 |
| 35.515.2011 | 14 x 0.14 mm² | 14,70 | 2,75 |
| 35.515.2012 | 16 x 0.14 mm² | 16,10 | 2,75 |
| 35.515.2013 | 18 x 0.14 mm² | 17,70 | 2,75 |
| 35.515.2014 | 20 x 0.14 mm² | 19,10 | 2,75 |
| 35.515.2015 | 25 x 0.14 mm² | 23,00 | 2,75 |
| 35.515.2016 | 2 x 0.25 mm² | 6,60 | 2,75 |
| 35.515.2017 | 3 x 0.25 mm² | 7,80 | 2,75 |
| 35.515.2018 | 4 x 0.25 mm² | 8,95 | 2,75 |
| 35.515.2019 | 5 x 0.25 mm² | 10,30 | 2,75 |
| 35.515.2020 | 6 x 0.25 mm² | 11,80 | 2,75 |
| 35.515.2021 | 7 x 0.25 mm² | 12,80 | 2,75 |
| 35.515.2022 | 8 x 0.25 mm² | 14,10 | 2,75 |
| 35.515.2023 | 10 x 0.25 mm² | 16,50 | 2,75 |
| 35.515.2024 | 12 x 0.25 mm² | 19,00 | 2,75 |
| 35.515.2025 | 14 x 0.25 mm² | 21,60 | 2,75 |
| 35.515.2026 | 16 x 0.25 mm² | 23,90 | 2,75 |
| 35.515.2027 | 18 x 0.25 mm² | 26,50 | 2,75 |
| 35.515.2028 | 20 x 0.25 mm² | 29,20 | 2,75 |
| 35.515.2029 | 25 x 0.25 mm² | 35,60 | 2,75 |
| 35.515.2030 | 2 x 0 34 mm² | 8,15 | 3,10 |
| 35.515.2031 | 3 x 0.34 mm² | 9,80 | 3,10 |
| 35.515.2032 | 4 x 0.34 mm² | 11,50 | 3,10 |
| 35.515.2033 | 5 x 0.34 mm² | 13,30 | 3,10 |
| 35.515.2034 | 6 x 0.34 mm² | 15,30 | 3,10 |
| 35.515.2035 | 7 x 0.34 mm² | 16,80 | 3,10 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.515.2036 | 8 x 0.34 mm² | 18,60 | 3,10 |
| 35.515.2037 | 10 x 0.34 mm² | 22,10 | 3,10 |
| 35.515.2038 | 12 x 0.34 mm² | 25,40 | 3,10 |
| 35.515.2039 | 14 x 0.34 mm² | 29,10 | 3,10 |
| 35.515.2040 | 16 x 0.34 mm² | 32,40 | 3,10 |
| 35.515.2041 | 18 x 0.34 mm² | 36,30 | 3,10 |
| 35.515.2042 | 20 x 0.34 mm² | 39,90 | 3,10 |
| 35.515.2043 | 25 x 0.34 mm² | 48,80 | 3,10 |
| 35.515.2044 | 2 x 0.50 mm² | 8,80 | 3,10 |
| 35.515.2045 | 3 x 0.50 mm² | 10,90 | 3,10 |
| 35.515.2046 | 4 x 0.50 mm² | 12,90 | 3,10 |
| 35.515.2047 | 5 x 0.50 mm² | 15,00 | 3,10 |
| 35.515.2048 | 6 x 0.50 mm² | 18,00 | 3,10 |
| 35.515.2049 | 7 x 0.50 mm² | 19,30 | 3,10 |
| 35.515.2050 | 8 x 0.50 mm² | 21,40 | 3,10 |
| 35.515.2051 | 9 x 0.50 mm² | 23,50 | 3,10 |
| 35.515.2052 | 10 x 0.50 mm² | 24,70 | 3,10 |
| 35.515.2053 | 12 x 0.50 mm² | 29,70 | 3,10 |
| 35.515.2054 | 14 x 0.50 mm² | 34,00 | 3,10 |
| 35.515.2055 | 16 x 0.50 mm² | 38,20 | 3,10 |
| 35.515.2056 | 18 x 0.50 mm² | 42,40 | 3,10 |
| 35.515.2057 | 20 x 0.50 mm² | 46,80 | 3,10 |
| 35.515.2058 | 25 x 0.50 mm² | 58,00 | 3,10 |
| 35.515.2059 | 2 x 0.75 mm² | 10,40 | 3,10 |
| 35.515.2060 | 3 x 0.75 mm² | 13,20 | 3,10 |
| 35.515.2061 | 4 x 0.75 mm² | 16,00 | 3,10 |
| 35.515.2062 | 5 x 0.75 mm² | 18,80 | 3,10 |
| 35.515.2063 | 6 x 0.75 mm² | 22,00 | 3,10 |
| 35.515.2064 | 7 x 0.75 mm² | 24,60 | 3,10 |
| 35.515.2065 | 8 x 0.75 mm² | 27,50 | 3,10 |
| 35.515.2066 | 9 x 0.75 mm² | 30,30 | 3,10 |
| 35.515.2067 | 10 x 0.75 mm² | 33,10 | 3,10 |
| 35.515.2068 | 12 x 0.75 mm² | 38,60 | 3,10 |
| 35.515.2069 | 14 x 0.75 mm² | 45,10 | 3,10 |
| 35.515.2070 | 16 x 0.75 mm² | 51,00 | 3,10 |
| 35.515.2071 | 18 x 0.75 mm² | 56,50 | 3,10 |
| 35.515.2072 | 20 x 0.75 mm² | 62,50 | 3,10 |
| 35.515.2073 | 25 x 0.75 mm² | 77,00 | 3,10 |
| 35.515.2074 | 2 x 1.0 mm² | 15,80 | 4,95 |
| 35.515.2075 | 3 x 1.0 mm² | 19,30 | 4,95 |
| 35.515.2076 | 4 x 1.0 mm² | 23,00 | 4,95 |
| 35.515.2077 | 5 x 1.0 mm² | 27,00 | 4,95 |
| 35.515.2078 | 6 x 1.0 mm² | 31,20 | 4,95 |
| 35.515.2079 | 7 x 1.0 mm² | 34,70 | 4,95 |
| 35.515.2080 | 8 x 1.0 mm² | 38,50 | 4,95 |
| 35.515.2081 | 9 x 1.0 mm² | 42,40 | 4,95 |
| 35.515.2082 | 10 x 1.0 mm² | 44,80 | 4,95 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.515.2083 | 12 x 1.0 mm² | 54,00 | 4,95 |
| 35.515.2084 | 14 x 1.0 mm² | 62,00 | 4,95 |
| 35.515.2085 | 16 x 1.0 mm² | 70,00 | 4,95 |
| 35.515.2086 | 18 x 1.0 mm² | 77,00 | 4,95 |
| 35.515.2087 | 20 x 1.0 mm² | 85,00 | 4,95 |
| 35.515.2088 | 25 x 1.0 mm² | 105,00 | 4,95 |
| 35.515.2089 | 2 x 1.5 mm² | 19,00 | 4,95 |
| 35.515.2090 | 3 x 1.5 mm² | 23,90 | 4,95 |
| 35.515.2091 | 4 x 1.5 mm² | 29,20 | 4,95 |
| 35.515.2092 | 5 x 1.5 mm² | 34,40 | 4,95 |
| 35.515.2093 | 6 x 1.5 mm² | 40,10 | 4,95 |
| 35.515.2094 | 7 x 1.5 mm² | 45,00 | 4,95 |
| 35.515.2095 | 8 x 1.5 mm² | 50,50 | 4,95 |
| 35.515.2096 | 9 x 1.5 mm² | 56,50 | 4,95 |
| 35.515.2097 | 10 x 1.5 mm² | 61,50 | 4,95 |
| 35.515.2098 | 12 x 1.5 mm² | 72,00 | 4,95 |
| 35.515.2099 | 14 x 1.5 mm² | 83,00 | 4,95 |
| 35.515.2100 | 16 x 1.5 mm² | 93,50 | 4,95 |
| 35.515.2101 | 18 x 1.5 mm² | 104,00 | 4,95 |
| 35.515.2102 | 20 x 1.5 mm² | 116,00 | 4,95 |
| 35.515.2103 | 25 x 1.5 mm² | 144,00 | 4,95 |
| 35.515.2104 | 2 x 2.5 mm² | 25,40 | 4,95 |
| 35.515.2105 | 3 x 2.5 mm² | 33,60 | 4,95 |
| 35.515.2106 | 4 x 2.5 mm² | 41,80 | 4,95 |
| 35.515.2107 | 5 x 2.5 mm² | 48,80 | 4,95 |
| 35.515.2108 | 6 x 2.5 mm² | 58,00 | 4,95 |
| 35.515.2109 | 7 x 2.5 mm² | 66,00 | 4,95 |
| 35.515.2110 | 8 x 2.5 mm² | 74,00 | 4,95 |
| 35.515.2111 | 9 x 2.5 mm² | 82,50 | 4,95 |
| 35.515.2112 | 10 x 2.5 mm² | 90,50 | 4,95 |
| 35.515.2113 | 12 x 2.5 mm² | 107,00 | 4,95 |
| 35.515.2114 | 14 x 2.5 mm² | 123,00 | 4,95 |
| 35.515.2115 | 16 x 2.5 mm² | 140,00 | 4,95 |
| 35.515.2116 | 18 x 2.5 mm² | 157,00 | 4,95 |
| 35.515.2117 | 20 x 2.5 mm² | 179,00 | 4,95 |
| 35.515.2118 | 25 x 2.5 mm² | 222,00 | 4,95 |
| **35.515.3000** | **LIH(St)H-TP HALOGEN-FREE SIGNAL and CONTROLLER CABLE (Unit: m.) (VDE 0812)**<br>Supply to the work site, and delivery, including gateway and protection pipes, any material and labor, of halogen-free, shielded control and internal connection cables with an operating temperature of -30°C to +70°C, and used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics; made of multi-wire fine electrolytic copper in compliance with TS EN 60228 and TS 13755, and HFFR compound in compliance with TS EN 50290-2-26; insulated as color coded as per DIN 47100; formed by twisting of the cladding components in double-twisted layers; shielded with an earth wire and AL-PES winding tape; flame-retardant HFFR-compound outer jacket in compliance with EN 50290-2-27; in RAL 7001 gray color; certified for passing the flame tests IEC-332-1, IEC-332-3, IEC- 60754 and IEC-60332; in compliance with the standards TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, which shall be capable of providing protection against external signals. Note: HFFR pipe is included for the internal wiring.<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| 35.515.3001 | 2x2x0.22 mm² | 8,80 | 3,10 |
| 35.515.3002 | 3 x 2 x 0.22 mm² | 11,30 | 3,10 |
| 35.515.3003 | 4x2x0.22 mm² | 13,40 | 3,10 |
| 35.515.3004 | 5x2x0.22 mm² | 15,50 | 3,10 |
| 35.515.3005 | 6x2x0.22 mm² | 17,70 | 3,10 |
| 35.515.3006 | 7x2x0.22 mm² | 20,10 | 3,10 |
| 35.515.3007 | 8x2x0.22 mm² | 22,40 | 3,10 |
| 35.515.3008 | 10x2x0.22 mm² | 26,80 | 3,10 |
| 35.515.3009 | 12x2x0.22 mm² | 32,50 | 3,10 |
| 35.515.3010 | 15x2x0.22 mm² | 42,10 | 3,10 |
| 35.515.3011 | 18x2x0.22 mm² | 52,00 | 3,10 |
| 35.515.3012 | 20x2x0.22 mm² | 60,00 | 3,10 |
| 35.515.3013 | 25x2x0.22 mm² | 74,50 | 3,10 |
| 35.515.3014 | 2x2x0.34 mm² | 12,20 | 3,10 |
| 35.515.3015 | 3x2x0.34 mm² | 16,10 | 3,10 |
| 35.515.3016 | 4x2x0.34 mm² | 19,90 | 3,10 |
| 35.515.3017 | 5x2x0.34 mm² | 23,40 | 3,10 |
| 35.515.3018 | 6x2x0.34 mm² | 27,00 | 3,10 |
| 35.515.3019 | 7x2x0.34 mm² | 31,10 | 3,10 |
| 35.515.3020 | 8x2x0.34 mm² | 36,40 | 4,95 |
| 35.515.3021 | 10x2x0.34 mm² | 45,00 | 4,95 |
| 35.515.3022 | 12x2x0.34 mm² | 54,00 | 4,95 |
| 35.515.3023 | 15x2x0.34 mm² | 72,50 | 4,95 |
| 35.515.3024 | 2x2x0.50 mm² | 14,00 | 3,10 |
| 35.515.3025 | 3x2x0.50 mm² | 19,00 | 3,10 |
| 35.515.3026 | 4x2x0.50 mm² | 23,40 | 3,10 |
| 35.515.3027 | 5x2x0.50 mm² | 28,00 | 3,10 |
| 35.515.3028 | 6x2x0.50 mm² | 32,50 | 3,10 |
| 35.515.3029 | 7x2x0.50 mm² | 37,40 | 3,10 |
| 35.515.3030 | 8x2x0.50 mm² | 43,80 | 4,95 |
| 35.515.3031 | 9x2x0.50 mm² | 48,80 | 4,95 |
| 35.515.3032 | 10x2x0.50 mm² | 54,00 | 4,95 |
| 35.515.3033 | 12x2x0.50 mm² | 66,00 | 4,95 |
| 35.515.3034 | 2x2x0.75 mm² | 16,50 | 3,10 |
| 35.515.3035 | 3x2x0.75 mm² | 22,70 | 3,10 |
| 35.515.3036 | 4x2x0.75 mm² | 28,50 | 3,10 |
| 35.515.3037 | 5x2x0.75 mm² | 34,30 | 3,10 |
| 35.515.3038 | 6x2x0.75 mm² | 40,00 | 3,10 |
| 35.515.3039 | 7x2x0.75 mm² | 46,60 | 3,10 |
| 35.515.3040 | 8x2x0.75 mm² | 52,50 | 3,10 |
| 35.515.3041 | 10x2x0.75 mm² | 68,50 | 4,95 |
| 35.515.3042 | 12x2x0.75 mm² | 84,50 | 4,95 |
| 35.515.3043 | 14x2x0.75 mm² | 95,00 | 4,95 |
| 35.515.3044 | 16x2x0.75 mm² | 109,00 | 4,95 |
| 35.515.3045 | 18x2x0.75 mm² | 121,00 | 4,95 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.515.3046 | 20x2x0.75 mm² | 150,00 | 4,95 |
| 35.515.3047 | 25x2x0.75 mm² | 206,00 | 4,95 |
| 35.515.3048 | 2x2x1.00 mm² | 22,00 | 3,10 |
| 35.515.3049 | 3x2x1.00 mm² | 30,30 | 3,10 |
| 35.515.3050 | 4x2x1.00 mm² | 37,90 | 3,10 |
| 35.515.3051 | 5x2x1.00 mm² | 45,70 | 3,10 |
| 35.515.3052 | 6x2x1.00 mm² | 54,00 | 3,10 |
| 35.515.3053 | 7x2x1.00 mm² | 63,00 | 3,10 |
| 35.515.3054 | 8x2x1.00 mm² | 72,50 | 4,95 |
| 35.515.3055 | 10x2x1.00 mm² | 91,00 | 4,95 |
| 35.515.3056 | 12x2x1.00 mm² | 112,00 | 4,95 |
| 35.515.3057 | 14x2x1.00 mm² | 128,00 | 4,95 |
| 35.515.3058 | 16x2x1.00 mm² | 145,00 | 4,95 |
| 35.515.3059 | 18x2x1.00 mm² | 162,00 | 4,95 |
| 35.515.3060 | 20x2x1.00 mm² | 205,00 | 4,95 |
| 35.515.3061 | 25x2x1.00 mm² | 275,00 | 4,95 |
| 35.515.3062 | 2x2x1.50 mm² | 27,20 | 3,10 |
| 35.515.3063 | 3x2x1.50 mm² | 38,10 | 3,10 |
| 35.515.3064 | 4x2x1.50 mm² | 48,50 | 3,10 |
| 35.515.3065 | 5x2x1.50 mm² | 59,50 | 3,10 |
| 35.515.3066 | 6x2x1.50 mm² | 70,00 | 3,10 |
| 35.515.3067 | 7x2x1.50 mm² | 84,00 | 3,10 |
| 35.515.3068 | 8x2x1.50 mm² | 96,50 | 4,95 |
| 35.515.3069 | 10x2x1.50 mm² | 120,00 | 4,95 |
| 35.515.3070 | 12x2x1.50 mm² | 150,00 | 4,95 |
| 35.515.3071 | 14x2x1.50 mm² | 168,00 | 4,95 |
| 35.515.3072 | 16x2x1.50 mm² | 192,00 | 4,95 |
| 35.515.3073 | 18x2x1.50 mm² | 215,00 | 4,95 |
| 35.515.3074 | 20x2x1.50 mm² | 270,00 | 4,95 |
| 35.515.3075 | 25x2x1.50 mm² | 351,00 | 4,95 |
| 35.515.3076 | 2x2x2.50 mm² | 40,20 | 3,10 |
| 35.515.3077 | 3x2x2.50 mm² | 58,50 | 3,10 |
| 35.515.3078 | 4x2x2.50 mm² | 75,00 | 3,10 |
| 35.515.3079 | 5x2x2.50 mm² | 92,00 | 3,10 |
| 35.515.3080 | 6x2x2.50 mm² | 109,00 | 3,10 |
| 35.515.3081 | 7x2x2.50 mm² | 126,00 | 3,10 |
| 35.515.3082 | 8x2x2.50 mm² | 145,00 | 4,95 |
| 35.515.3083 | 10x2x2.50 mm² | 179,00 | 4,95 |
| 35.515.3084 | 12x2x2.50 mm² | 222,00 | 4,95 |
| 35.515.3085 | 14x2x2.50 mm² | 249,00 | 4,95 |
| 35.515.3086 | 16x2x2.50 mm² | 294,00 | 4,95 |
| 35.515.3087 | 18x2x2.50 mm² | 333,00 | 4,95 |
| 35.515.3088 | 20x2x2.50 mm² | 365,00 | 4,95 |
| 35.515.3089 | 25x2x2.50 mm² | 395,00 | 4,95 |
| **35.515.4000** | **LIH(St)CH HALOGEN-FREE SIGNAL and CONTROLLER CABLE (Unit: m.) (VDE 0812)**<br>Supply to the worksite, including gateways and security pipes as well as any material and labor of halogen-free, unshielded control and internal connection cables, flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers (operating temperature: -30°C and +70°C), shielded by AL-PES wrapping tape with an earthing wire, with the outer jacket in compliance with TS EN 50290-2-26, made of flame-retardant HFFR compound in RAL 7001 gray, TS 13734:2017-certified, and in compliance with the standards IEC-332-1, IEC-332-3, IEC-60754, IEC-60332, TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, and certified for passing the flame test. Note: HFFR pipes are included for the internal wiring.<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.515.4001 | 2x0.22 mm² | 7,50 | 1,70 |
| 35.515.4002 | 3x0.22 mm² | 8,30 | 1,70 |
| 35.515.4003 | 4x0.22 mm² | 9,20 | 1,70 |
| 35.515.4004 | 5x0.22 mm² | 11,20 | 1,70 |
| 35.515.4005 | 6x0.22 mm² | 12,50 | 1,70 |
| 35.515.4006 | 7x0.22 mm² | 13,40 | 1,70 |
| 35.515.4007 | 8x0.22 mm² | 15,20 | 1,70 |
| 35.515.4008 | 10x0.22 mm² | 16,20 | 1,70 |
| 35.515.4009 | 2x0.50 mm² | 10,90 | 2,15 |
| 35.515.4010 | 3x0.50 mm² | 12,80 | 2,15 |
| 35.515.4011 | 4x0.50 mm² | 15,30 | 2,15 |
| 35.515.4012 | 5x0.50 mm² | 17,50 | 2,15 |
| 35.515.4013 | 6x0.50 mm² | 20,70 | 2,15 |
| 35.515.4014 | 7x0.50 mm² | 22,60 | 2,15 |
| 35.515.4015 | 8x0.50 mm² | 24,70 | 2,15 |
| 35.515.4016 | 10x0.50 mm² | 27,40 | 2,15 |
| 35.515.4017 | 2 x 0.75 mm² | 12,60 | 2,15 |
| 35.515.4018 | 3 x 0.75 mm² | 15,10 | 2,15 |
| 35.515.4019 | 4 x 0.75 mm² | 17,80 | 2,15 |
| 35.515.4020 | 5 x 0.75 mm² | 21,00 | 2,15 |
| 35.515.4021 | 6 x 0.75 mm² | 24,30 | 2,15 |
| 35.515.4022 | 7 x 0.75 mm² | 26,70 | 2,15 |
| 35.515.4023 | 8 x 0.75 mm² | 30,10 | 2,15 |
| 35.515.4024 | 10 x 0.75 mm² | 35,60 | 2,15 |
| 35.515.4025 | 2x1.0 mm² | 15,30 | 2,75 |
| 35.515.4026 | 3x1.0 mm² | 18,70 | 2,75 |
| 35.515.4027 | 4x1.0 mm² | 22,90 | 2,75 |
| 35.515.4028 | 5x1.0 mm² | 26,50 | 2,75 |
| 35.515.4029 | 6x1.0 mm² | 31,30 | 2,75 |
| 35.515.4030 | 7x1.0 mm² | 34,60 | 2,75 |
| 35.515.4031 | 8x1.0 mm² | 38,70 | 2,75 |
| 35.515.4032 | 10x1.0 mm² | 45,70 | 2,75 |
| 35.515.4033 | 2 x 1.5 mm² | 19,50 | 2,75 |
| 35.515.4034 | 3 x 1.5 mm² | 24,20 | 2,75 |
| 35.515.4035 | 4x1.5 mm² | 30,40 | 2,75 |
| 35.515.4036 | 5 x 1.5 mm² | 36,00 | 2,75 |
| 35.515.4037 | 6 x 1.5 mm² | 41,90 | 2,75 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.515.4038 | 7 x 1.5 mm² | 47,20 | 2,75 |
| 35.515.4039 | 8 x 1.5 mm² | 52,50 | 2,75 |
| 35.515.4040 | 10 x 1.5 mm² | 63,50 | 2,75 |
| 35.515.4041 | 2x2.5 mm² | 26,20 | 2,75 |
| 35.515.4042 | 3x2.5 mm² | 33,60 | 2,75 |
| 35.515.4043 | 4 x 2.5 mm² | 41,30 | 2,75 |
| 35.515.4044 | 5x2.5 mm² | 49,80 | 2,75 |
| 35.515.4045 | 6x2.5 mm² | 58,50 | 2,75 |
| 35.515.4046 | 7x2.5 mm² | 66,50 | 2,75 |
| 35.515.4047 | 8x2.5 mm² | 75,50 | 2,75 |
| 35.515.4048 | 10x2.5 mm² | 84,50 | 2,75 |
| **35.515.7000** | **HALOGEN-FREE COPPER DATA CABLES** | | |
| 35.515.7010 | **UTP CAT 5H HALOGEN-FREE 4 x 2 x 24 AWG: Unit: m.**<br>Materials on construction site: 60 percent. Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT6 H standard and complying with the 24 AWG 0.5 mm bare-stranded copper coating criteria for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN), which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, unshielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays) | 9,80 | 3,10 |
| 35.515.7020 | **FTP CAT 5H HALOGEN-FREE 4 x 2 x 24 AWG: Unit: m. Unit: m.**<br>(Materials on construction site: 60 percent). Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT 5 H standard and complying with the 24 AWG 0.5 mm bare-stranded copper coating criteria for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks, which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, shielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays) | 10,60 | 3,10 |
| 35.515.7030 | **UTP CAT 6H HALOGEN-FREE 4 x 2 x 23 AWG: Unit: m.**<br>Materials on construction site: 60 percent. Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT 6e standard and complying with the 23 AWG 0.57 mm bare-stranded copper coating criteria for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks, which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, unshielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays) | 11,60 | 3,10 |
| 35.515.7040 | **Ftp Cat 6H HALOJEN FREE 4X2X23 AWG Unit :m**<br>Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT 6 H standard and complying with the 23 AWG 0.57 mm bare-stranded copper coating criteria for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks, which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, shielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Payment per the relevant item of the cost of the material for the production for the conditions of laying the cables.<br>(Payment of the pipe's cost if the cable is laid through a pipe, and of the duct's cost if the cable is laid through a duct) | 14,90 | 3,10 |
| **35.515.8000** | **Halogen-free Coaxial Cables: (Unit: m) (LS HFFR)**<br>Supply to the work site, including gateways, safety pipes and any other material, of coaxial cables with 75-ohm impedance, manufactured in compliance with the standards TS EN | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 60332-1-2, TS EN 60754-1+2 ve TS EN 61034-2, TS EN 50117-1 and TS EN 60332-3-25, and the Lov Voltage Directive 2014/35/EU and released with a CE marking.<br>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.<br>Note: HFFR pipe is included for the internal wiring. | | |
| 35.515.8001 | RG 59 U-4 (Cu/Al) HFFR | 10,10 | 4,95 |
| 35.515.8002 | RG 59 U-4 (Cu/CuSn) HFFR | 9,20 | 4,95 |
| 35.515.8003 | RG 59 U-6 (Cu/Cu) HFFR | 12,00 | 4,95 |
| 35.515.8010 | RG 6/U-4 (Cu/Al) HFFR | 11,30 | 4,95 |
| 35.515.8011 | RG 6/U-4 (Trishield Cu/Al) HFFR | 11,70 | 4,95 |
| 35.515.8012 | RG 6/U-4 (Cu/CuSn) HFFR | 13,70 | 4,95 |
| 35.515.8013 | RG 6/U-4 (Three-shield Cu/CuSn) HFFR | 21,80 | 4,95 |
| 35.515.8014 | RG 6/U-6 (Cu/Cu) HFFR | 14,30 | 4,95 |
| 35.515.8015 | RG 6/U-6 (Trishield Cu/Cu) HFFR | 16,50 | 4,95 |
| 35.515.8020 | RG 11/U-4 (Cu/Al) HFFR | 18,40 | 4,95 |
| 35.515.8021 | RG 11/U-4 (Cu/CuSn) HFFR | 21,60 | 4,95 |
| 35.515.8022 | RG 11/U-4 (Three-shield Cu/CuSn) HFFR | 34,00 | 4,95 |
| 35.515.8023 | RG 11/U-6 (Cu/Cu) HFFR | 24,40 | 4,95 |
| 35.515.8024 | RG 11/U-6 (Three-shield Cu/Cu) HFFR | 19,30 | 4,95 |
| 35.515.8030 | RG 58 C/U HFFR (50 ohm) | 14,80 | 4,95 |
| 35.515.8031 | RG 213 U HFFR (50 ohm) | 39,60 | 4,95 |
| **35.520.0000** | **FIRE-RESISTANT CABLES** | | |
| **35.520.5000** | **JE-H(St)H FE180 PH120 FIRE-PF, HALOGEN-FREE FIRE ALARM CABLES (Unit: m.) (VDE 0815)**<br>Supply to the work site, including gateways and security pipes, any material and labor, of fire alarm cables used with security systems, communication, indoor and dry areas, with halogen-free and fireproof signal and communication cables with the cable core made by twisting in layers of the cladding insulated by a halogen-free jackets in compliance with TS EN 50290-2-26 in colors as per VDE 0815 over mono-annealed copper wire in compliance with TS EN 60228 fixed with polyester tape, wrapped in a special flame-retardant glass fiber tape along with an aluminum-coated polyester tape, screened with a tinned earth conductor in compliance with the standard TS 13767, colored RAL 3000 red or RAL 2003 orange, halogen-free outer jacket as per TS EN 50290-2-27, temperature in fixed conditions between -30°C to +70°C, provides circuit integrity for 180 minutes as per IEC 60331-21 and 120 minutes as per EN 50200, and certified for flame retardance as per TS EN 60332-1-2 and TS EN 60332-3-24, and for smoke density as per TS EN 61034-2. Note: HFFR pipe is included for the internal wiring. | | |
| 35.520.5001 | 1 x 2 x 0.8+0.8 mm² | 12,20 | 3,25 |
| 35.520.5002 | 2 x 2 x 0.8+0.8 mm² | 17,00 | 3,25 |
| 35.520.5003 | 3 x 2 x 0.8+0.8 mm² | 22,60 | 3,25 |
| 35.520.5004 | 4 x 2 x 0.8+0.8 mm² | 27,40 | 3,25 |
| 35.520.5005 | 10 x 2 x 0.8+0.8 mm² | 61,00 | 3,25 |
| 35.520.5006 | 1 x 2 x 1+0.8 mm² | 14,50 | 3,25 |
| 35.520.5007 | 2 x 2 x 1+0.8 mm² | 21,30 | 3,25 |
| 35.520.5008 | 3 x 2 x 1+0.8 mm² | 32,00 | 3,25 |
| 35.520.5009 | 4 x 2 x 1+0.8 mm² | 39,20 | 3,25 |
| 35.520.5010 | 10 x 2 x 1+0.8 mm² | 93,50 | 3,25 |
| 35.520.5011 | 1 x 2 x 1.5+0.8 mm² | 20,40 | 3,25 |
| 35.520.5012 | 2 x 2 x 1.5+0.8 mm² | 32,40 | 3,25 |
| 35.520.5013 | 3 x 2 x 1.5+0.8 mm² | 48,80 | 3,25 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.520.5014 | 4 x 2 x 1.5+0.8 mm² | 63,50 | 3,25 |
| 35.520.5015 | 10 x 2 x 1.5+0.8 mm² | 147,00 | 3,25 |
| **35.520.6000** | **LIH(St)H FE180 PH120 FIRE-PROOF, HALOGEN-FREE SIGNAL AND CONTROLLER CABLE (Unit: m) (VDE 0812)**<br>Supply to the work site, including gateways and security pipes, any material and labor, of fire alarm cables used with security systems, communication, indoor and dry areas, with halogen-free and fireproof signal and communication cables with the cable core made by twisting in layers of the cladding insulated by a halogen-free jackets in compliance with TS EN 50290-2-26 in colors as per DIN 47100 over electrolytic copper wire in compliance with TS EN 60228 fixed with polyester tape, wrapped in a special flame-retardant glass fiber tape along with an aluminum-coated polyester tape, screened with a tinned earth conductor in compliance with the standard TS 13734, colored RAL 2003 orange as per DIN 47100, halogen-free outer jacket as per TS EN 50290-2-27, temperature in fixed conditions between -30°C to +70°C, provides circuit integrity for 180 minutes as per IEC 60331-21 and 120 minutes as per EN 50200, and certified for flame retardance as per TS EN 60332-1-2 and TS EN 60332-3-24, and for smoke density as per TS EN 61034-2. Note: HFFR pipe is included for the internal wiring. | | |
| 35.520.6001 | 2 x 0.75 mm² | 13,30 | 3,25 |
| 35.520.6002 | 3 x 0.75 mm² | 16,50 | 3,25 |
| 35.520.6003 | 4 x 0.75 mm² | 19,70 | 3,25 |
| 35.520.6004 | 5 x 0.75 mm² | 23,00 | 3,25 |
| 35.520.6005 | 6 x 0.75 mm² | 26,70 | 3,25 |
| 35.520.6006 | 7 x 0.75 mm² | 29,70 | 3,25 |
| 35.520.6007 | 8 x 0.75 mm² | 33,00 | 3,25 |
| 35.520.6008 | 10 x 0.75 mm² | 39,60 | 3,25 |
| 35.520.6009 | 2 x 1 mm² | 18,90 | 4,95 |
| 35.520.6010 | 3 x 1 mm² | 23,00 | 4,95 |
| 35.520.6011 | 4 x 1 mm² | 25,10 | 4,95 |
| 35.520.6012 | 5 x 1 mm² | 31,80 | 4,95 |
| 35.520.6013 | 6 x 1 mm² | 36,80 | 4,95 |
| 35.520.6014 | 7 x 1 mm² | 40,70 | 4,95 |
| 35.520.6015 | 8 x 1 mm² | 45,20 | 4,95 |
| 35.520.6016 | 10 x 1 mm² | 54,00 | 4,95 |
| 35.520.6017 | 2 x 1.5 mm² | 22,10 | 4,95 |
| 35.520.6018 | 3 x 1.5 mm² | 27,90 | 4,95 |
| 35.520.6019 | 4 x 1.5mm² | 34,10 | 4,95 |
| 35.520.6020 | 5 x 1.5 mm² | 40,00 | 4,95 |
| 35.520.6021 | 6 x 1.5 mm² | 47,00 | 4,95 |
| 35.520.6022 | 7 x 1.5 mm² | 52,50 | 4,95 |
| 35.520.6023 | 8 x 1.5 mm² | 57,00 | 4,95 |
| 35.520.6024 | 10 x 1.5 mm² | 69,00 | 4,95 |
| **35.520.7000** | **LIHCH FE180 PH120 FIRE-PROOF, SIGNAL AND CONTROLLER CABLE (Unit: m) (VDE 0812)**<br>Supply to the work site, including gateways and security pipes as well as any material and labor of halogen-free control and internal connection cables, flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers (operating temperature: -30°C and +70°C), with the outer jacket that meets the TS EN 50290-2-27 standard and is made of flame-retardant HFFR compound in RAL 7001 gray, in compliance with the standards TS 13734:2017, IEC-332-1, IEC-332-3, IEC-60754, IEC-60332, TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, and certified for passing the flame test. Note: HFFR pipes are included for the internal wiring. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.520.7001 | 2 x 0.75 mm² | 17,00 | 3,25 |
| 35.520.7002 | 3 x 0.75 mm² | 20,10 | 3,25 |
| 35.520.7003 | 4 x 0.75 mm² | 21,30 | 3,25 |
| 35.520.7004 | 5 x 0.75 mm² | 27,80 | 3,25 |
| 35.520.7005 | 6 x 0.75 mm² | 32,70 | 3,25 |
| 35.520.7006 | 7 x 0.75 mm² | 36,50 | 3,25 |
| 35.520.7007 | 8 x 0.75 mm² | 40,60 | 3,25 |
| 35.520.7008 | 10 x 0.75 mm² | 48,60 | 3,25 |
| 35.520.7009 | 2x1.0 mm² | 21,50 | 4,95 |
| 35.520.7010 | 3x1.0 mm² | 26,60 | 4,95 |
| 35.520.7011 | 4x1.0 mm² | 31,20 | 4,95 |
| 35.520.7012 | 5x1.0 mm² | 36,60 | 4,95 |
| 35.520.7013 | 6x1.0 mm² | 42,00 | 4,95 |
| 35.520.7014 | 7x1.0 mm² | 46,10 | 4,95 |
| 35.520.7015 | 8x1.0 mm² | 52,00 | 4,95 |
| 35.520.7016 | 10x1.0 mm² | 55,00 | 4,95 |
| 35.520.7017 | 2 x 1.5 mm² | 25,80 | 4,95 |
| 35.520.7018 | 3 x 1.5 mm² | 31,80 | 4,95 |
| 35.520.7019 | 4x1.5 mm² | 34,90 | 4,95 |
| 35.520.7020 | 5 x 1.5 mm² | 46,40 | 4,95 |
| 35.520.7021 | 6 x 1.5 mm² | 53,50 | 4,95 |
| 35.520.7022 | 7 x 1.5 mm² | 59,50 | 4,95 |
| 35.520.7023 | 8 x 1.5 mm² | 68,00 | 4,95 |
| 35.520.7024 | 10 x 1.5 mm² | 75,50 | 4,95 |
| 35.520.7025 | 2x2.5 mm² | 34,70 | 4,95 |
| 35.520.7026 | 3x2.5 mm² | 45,10 | 4,95 |
| 35.520.7027 | 4 x 2.5 mm² | 49,00 | 4,95 |
| 35.520.7028 | 5x2.5 mm² | 66,50 | 4,95 |
| 35.520.7029 | 6x2.5 mm² | 77,00 | 4,95 |
| **35.540.0000** | **FIBER OPTIC CABLES** | | |
| **35.540.1000** | **MULTI-MODE FIBER OPTIC CABLE (Unit: m)**<br>Multi-mode (MM) fiber optic cables are used for high-quality audio, data and video transfer at local area networks (LAN), closed circuit television (CCTV) systems, and industrial automation systems (SCADA). Fiber core/cladding diameter: 62.5/125 µm (OM1), 50/125 µm (OM2, OM3). It will be corrugated, grooved, with or without a steel wire armor, with an external polyethylene casing and “Thixotropic Gel” filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 3 dB/km at 850 nm and 1 dB/km at 1,300 nm. It should meet TS EN 60793-1-1 and TS EN 60794-1-23 standards. It will be put into service only after it is terminated by “fusion splice” method using a special welding machine and tested end-to-end with an OTDR tester. Each fiber optic cable will be tested with an OTDR test device after it is laid and terminated in a termination box, and the test reports will be submitted to the administration. Any material and labor will be included. | | |
| 35.540.1001 | Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Armored F/O Cable | 16,40 | 8,60 |
| 35.540.1002 | Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Armored F/O Cable | 17,40 | 8,60 |
| 35.540.1003 | Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Armored F/O Cable | 19,20 | 8,60 |
| 35.540.1004 | Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Armored F/O Cable | 21,50 | 9,10 |
| 35.540.1005 | Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Armored F/O Cable | 26,10 | 9,75 |
| 35.540.1006 | Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Armored F/O Cable | 40,10 | 11,80 |
| 35.540.1007 | Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Armored F/O Cable | 46,50 | 11,80 |
| 35.540.1008 | Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Non-Armored F/O Cable | 14,90 | 8,60 |
| 35.540.1009 | Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Non-Armored F/O Cable | 16,00 | 8,60 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.540.1010 | Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Non-Armored F/O Cable | 17,90 | 8,60 |
| 35.540.1011 | Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Non-Armored F/O Cable | 20,30 | 9,10 |
| 35.540.1012 | Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Non-Armored F/O Cable | 24,80 | 9,75 |
| 35.540.1013 | Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Non-Armored F/O Cable | 38,60 | 11,80 |
| 35.540.1014 | Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Non-Armored F/O Cable | 43,60 | 11,80 |
| 35.540.1015 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Armored F/O Cable | 15,60 | 8,60 |
| 35.540.1016 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Armored F/O Cable | 16,00 | 8,60 |
| 35.540.1017 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Armored F/O Cable | 17,10 | 8,60 |
| 35.540.1018 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Armored F/O Cable | 18,60 | 9,10 |
| 35.540.1019 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Armored F/O Cable | 21,70 | 9,75 |
| 35.540.1020 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Armored F/O Cable | 32,30 | 11,80 |
| 35.540.1021 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Armored F/O Cable | 38,20 | 11,80 |
| 35.540.1022 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Non-Armored F/O Cable | 14,10 | 8,60 |
| 35.540.1023 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Non-Armored F/O Cable | 14,80 | 8,60 |
| 35.540.1024 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Non-Armored F/O Cable | 15,80 | 8,60 |
| 35.540.1025 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Non-Armored F/O Cable | 17,20 | 9,10 |
| 35.540.1026 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Non-Armored F/O Cable | 20,10 | 9,75 |
| 35.540.1027 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Non-Armored F/O Cable | 30,30 | 11,80 |
| 35.540.1028 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Non-Armored F/O Cable | 34,90 | 11,80 |
| 35.540.1029 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Armored F/O Cable | 17,60 | 8,60 |
| 35.540.1030 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Armored F/O Cable | 18,80 | 8,60 |
| 35.540.1031 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Armored F/O Cable | 21,30 | 8,60 |
| 35.540.1032 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Armored F/O Cable | 24,70 | 9,10 |
| 35.540.1033 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Armored F/O Cable | 30,30 | 9,75 |
| 35.540.1034 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Armored F/O Cable | 48,90 | 11,80 |
| 35.540.1035 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Armored F/O Cable | 56,00 | 11,80 |
| 35.540.1036 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Non-Armored F/O Cable | 16,20 | 8,60 |
| 35.540.1037 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Non-Armored F/O Cable | 17,40 | 8,60 |
| 35.540.1038 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Non-Armored F/O Cable | 20,00 | 8,60 |
| 35.540.1039 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Non-Armored F/O Cable | 23,10 | 9,10 |
| 35.540.1040 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Non-Armored F/O Cable | 28,80 | 9,75 |
| 35.540.1041 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Non-Armored F/O Cable | 47,30 | 11,80 |
| 35.540.1042 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Non-Armored F/O Cable | 53,00 | 11,80 |
| **35.540.2000** | **SINGLE-MODE OPTICAL FIBER CABLE (Unit: m)**<br>Single-mode (SM) optical fiber cables are used for high-quality audio, data and video transfer over long distances at wide and local area networks (WAN - LAN), closed circuit television (CCTV) systems, industrial automation systems (SCADA), and cable TV systems. Fiber core/cladding diameter shall be 9/125 µm, and each cladding shall be wrapped in a buffer 250 microns in diameter. It will be corrugated, grooved, with or without a steel wire armor, with an external polyethylene casing, and “Thixotropic Gel” filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 0.38 dB/km at 1310 nm and 0.25 dB/km at 1550 nm. It should meet TS EN 60793-1-1 and TS EN 60794-1-23 standards. It will be put into service only after it is terminated by “fusion splice” method using a special welding machine and tested end-to-end with an OTDR tester. Each optical fiber cable will be tested with an OTDR test device after it is laid, and the test reports shall be submitted to the administration. Any material and labor will be included. | | |
| 35.540.2001 | Central Single Loose Tube with 2 fibers 1x2 9/125 SM Armored F/O Cable | 14,80 | 8,60 |
| 35.540.2002 | Central Single Loose Tube with 4 fibers 1x4 9/125 SM Armored F/O Cable | 15,10 | 8,60 |
| 35.540.2003 | Central Single Loose Tube with 6 fibers 1x6 9/125 SM Armored F/O Cable | 15,60 | 8,60 |
| 35.540.2004 | Central Single Loose Tube with 8 fibers 1x8 9/125 SM Armored F/O Cable | 16,60 | 9,10 |
| 35.540.2005 | Central Single Loose Tube with 12 fibers 1x12 9/125 SM Armored F/O Cable | 18,50 | 9,75 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.540.2006 | Central Single Loose Tube with 24 fibers 1x24 9/125 SM Armored F/O Cable | 25,60 | 11,80 |
| 35.540.2007 | Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Armored F/O Cable | 30,70 | 11,80 |
| 35.540.2008 | Central Single Loose Tube with 2 fibers 1x2 9/125 SM Non-Armored F/O Cable | 13,40 | 8,60 |
| 35.540.2009 | Central Single Loose Tube with 4 fibers 1x4 9/125 SM Non-Armored F/O Cable | 13,60 | 8,60 |
| 35.540.2010 | Central Single Loose Tube with 6 fibers 1x6 9/125 SM Non-Armored F/O Cable | 14,10 | 8,60 |
| 35.540.2011 | Central Single Loose Tube with 8 fibers 1x8 9/125 SM Non-Armored F/O Cable | 15,30 | 9,10 |
| 35.540.2012 | Central Single Loose Tube with 12 fibers 1x12 9/125 SM Non-Armored F/O Cable | 17,30 | 9,75 |
| 35.540.2013 | Central Single Loose Tube with 24 fibers 1x24 9/125 SM Non-Armored F/O Cable | 24,00 | 11,80 |
| 35.540.2014 | Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Non-Armored F/O Cable | 27,90 | 11,80 |
| **35.540.3000** | **MULTI-MODE FIBER OPTIC CABLE - LSOH (Unit: m)**<br>Multi-mode (MM) fiber optic cables are used for high-quality audio, data and video transfer at local area networks (LAN), closed circuit television (CCTV) systems, and industrial automation systems (SCADA). Fiber core/cladding diameter: 62.5/125 µm (OM1), 50/125 µm (OM2, OM3). It will be corrugated, grooved, with or without a steel wire armor, with an external LSOH casing and “Thixotropic Gel” filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 3 dB/km at 850 nm and 1 dB/km at 1300 nm. It should meet TS EN 60332-1, TS EN 60793-1-1, TS EN 60794-1-23, TS EN 61034-1/2 and TS EN 60754-1/2 standards. It will be put into service only after it is terminated by “fusion splice” method using a special welding machine and tested end-to-end with an OTDR tester. Each fiber optic cable will be tested with an OTDR test device after it is laid and terminated in a termination box, and the test reports will be submitted to the administration. Any material and labor will be included.<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.540.3001 | Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Armored LSOH F/O Cable | 18,00 | 8,60 |
| 35.540.3002 | Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Armored LSOH F/O Cable | 19,00 | 8,60 |
| 35.540.3003 | Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Armored LSOH F/O Cable | 20,60 | 8,60 |
| 35.540.3004 | Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Armored LSOH F/O Cable | 23,10 | 9,10 |
| 35.540.3005 | Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Armored LSOH F/O Cable | 27,30 | 9,75 |
| 35.540.3006 | Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Armored LSOH F/O Cable | 41,90 | 11,80 |
| 35.540.3007 | Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Armored LSOH F/O Cable | 48,60 | 11,80 |
| 35.540.3008 | Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 16,00 | 8,60 |
| 35.540.3009 | Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 16,90 | 8,60 |
| 35.540.3010 | Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 18,80 | 8,60 |
| 35.540.3011 | Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 21,10 | 9,10 |
| 35.540.3012 | Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 25,50 | 9,75 |
| 35.540.3013 | Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 39,50 | 11,80 |
| 35.540.3014 | Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Non-Armored LSOH F/O Cable | 45,40 | 11,80 |
| 35.540.3015 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Armored LSOH F/O Cable | 17,10 | 8,60 |
| 35.540.3016 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Armored LSOH F/O Cable | 17,40 | 8,60 |
| 35.540.3017 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Armored LSOH F/O Cable | 18,60 | 8,60 |
| 35.540.3018 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Armored LSOH F/O Cable | 20,30 | 9,10 |
| 35.540.3019 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Armored LSOH F/O Cable | 23,10 | 9,75 |
| 35.540.3020 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Armored LSOH F/O Cable | 33,30 | 11,80 |
| 35.540.3021 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Armored LSOH F/O Cable | 40,10 | 11,80 |
| 35.540.3022 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Non-Armored LSOH F/O Cable | 15,10 | 8,60 |
| 35.540.3023 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Non-Armored LSOH F/O Cable | 15,40 | 8,60 |
| 35.540.3024 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Non-Armored LSOH F/O Cable | 16,70 | 8,60 |
| 35.540.3025 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Non-Armored LSOH F/O Cable | 18,30 | 9,10 |
| 35.540.3026 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Non-Armored LSOH F/O Cable | 21,10 | 9,75 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.540.3027 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Non-Armored LSOH F/O Cable | 31,30 | 11,80 |
| 35.540.3028 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Non-Armored LSOH F/O Cable | 37,00 | 11,80 |
| 35.540.3029 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Armored LSOH F/O Cable | 19,20 | 8,60 |
| 35.540.3030 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Armored LSOH F/O Cable | 20,40 | 8,60 |
| 35.540.3031 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Armored LSOH F/O Cable | 22,90 | 8,60 |
| 35.540.3032 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Armored LSOH F/O Cable | 26,00 | 9,10 |
| 35.540.3033 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Armored LSOH F/O Cable | 31,60 | 9,75 |
| 35.540.3034 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Armored LSOH F/O Cable | 50,50 | 11,80 |
| 35.540.3035 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Armored LSOH F/O Cable | 58,00 | 11,80 |
| 35.540.3036 | Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Non-Armored LSOH F/O Cable | 17,10 | 8,60 |
| 35.540.3037 | Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Non-Armored LSOH F/O Cable | 18,40 | 8,60 |
| 35.540.3038 | Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Non-Armored LSOH F/O Cable | 21,00 | 8,60 |
| 35.540.3039 | Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Non-Armored LSOH F/O Cable | 23,90 | 9,10 |
| 35.540.3040 | Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Non-Armored LSOH F/O Cable | 29,80 | 9,75 |
| 35.540.3041 | Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Non-Armored LSOH F/O Cable | 47,90 | 11,80 |
| 35.540.3042 | Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Non-Armored LSOH F/O Cable | 55,00 | 11,80 |
| **35.540.4000** | **SINGLE-MODE OPTICAL FIBER CABLE - LSOH (Unit: m)**<br>Single-mode (SM) optical fiber cables are used for high-quality audio, data and video transfer over long distances at wide and local area networks (WAN - LAN), closed circuit television (CCTV) systems, industrial automation systems (SCADA), and cable TV systems. Fiber core/cladding diameter shall be 9/125 µm, and each cladding shall be wrapped in a buffer 250 microns in diameter. It will be corrugated, grooved, with or without a steel wire armor, with an external LSOH casing and “Thixotropic Gel” filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 0.38 dB/km at 1,310 nm and 0.25 dB/km at 1,550 nm. It should meet TS EN 60332-1, TS EN 60793-1-1, TS EN 60794-1-23, TS EN 61034-1/2 and TS EN 60754-1/2 standards. It will be put into service only after it is terminated by “fusion splice” method using a special welding machine and tested end-to-end with an OTDR tester. Each optical fiber cable will be tested with an OTDR test device after it is laid, and the test reports shall be submitted to the administration. Any material and labor will be included.<br>Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union. | | |
| 35.540.4001 | Central Single Loose Tube with 2 fibers 1x2 9/125 SM Armored LSOH F/O Cable | 16,10 | 8,60 |
| 35.540.4002 | Central Single Loose Tube with 4 fibers 1x4 9/125 SM Armored LSOH F/O Cable | 16,40 | 8,60 |
| 35.540.4003 | Central Single Loose Tube with 6 fibers 1x6 9/125 SM Armored LSOH F/O Cable | 16,90 | 8,60 |
| 35.540.4004 | Central Single Loose Tube with 8 fibers 1x8 9/125 SM Armored LSOH F/O Cable | 18,20 | 9,10 |
| 35.540.4005 | Central Single Loose Tube with 12 fibers 1x12 9/125 SM Armored LSOH F/O Cable | 20,10 | 9,75 |
| 35.540.4006 | Central Single Loose Tube with 24 fibers 1x24 9/125 SM Armored LSOH F/O Cable | 27,40 | 11,80 |
| 35.540.4007 | Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Armored LSOH F/O Cable | 33,00 | 11,80 |
| 35.540.4008 | Central Single Loose Tube with 2 fibers 1x2 9/125 SM Non-Armored LSOH F/O Cable | 14,10 | 8,60 |
| 35.540.4009 | Central Single Loose Tube with 4 fibers 1x4 9/125 SM Non-Armored LSOH F/O Cable | 14,50 | 8,60 |
| 35.540.4010 | Central Single Loose Tube with 6 fibers 1x6 9/125 SM Non-Armored LSOH F/O Cable | 15,10 | 8,60 |
| 35.540.4011 | Central Single Loose Tube with 8 fibers 1x8 9/125 SM Non-Armored LSOH F/O Cable | 16,10 | 9,10 |
| 35.540.4012 | Central Single Loose Tube with 12 fibers 1x12 9/125 SM Non-Armored LSOH F/O Cable | 18,00 | 9,75 |
| 35.540.4013 | Central Single Loose Tube with 24 fibers 1x24 9/125 SM Non-Armored LSOH F/O Cable | 25,00 | 11,80 |
| 35.540.4014 | Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Non-Armored LSOH F/O Cable | 30,00 | 11,80 |
| **35.545.0000** | **FIBER OPTIC CONNECTION COMPONENTS** | | |
| **35.545.1000** | **PIG TAIL (Unit: Qty., Materials on construction site: 60%)**<br>An optical fiber cable with a connector at one end, which is used in optical fiber termination sets. The exterior jacket is 0.9 mm in diameter. SM and MM optical fiber cables have outer jackets of the same diameter. Pigtail length is 1.5 m. It is available with ST, SC, FC, LC, MTRJ connectors. Interference loss values should be max. 0.3 dB, and the test results shall be | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | submitted to the administration. Any material and labor will be included. | | |
| 35.545.1001 | SM LC pigtail | 83,00 | 8,65 |
| 35.545.1002 | SM SC pigtail | 98,50 | 11,90 |
| 35.545.1003 | SM FC pigtail | 99,00 | 11,90 |
| 35.545.1004 | SM MTRJ pigtail | 121,00 | 13,70 |
| 35.545.1005 | SM ST pigtail | 79,00 | 8,65 |
| 35.545.1006 | MM LC pigtail | 54,00 | 5,35 |
| 35.545.1007 | MM SC pigtail | 51,50 | 5,35 |
| 35.545.1008 | MM FC pigtail | 107,00 | 12,20 |
| 35.545.1009 | MM MTRJ pigtail | 117,00 | 13,00 |
| 35.545.1010 | MM ST pigtail | 67,50 | 8,65 |
| **35.545.2000** | **PATCH CORD (Unit: Qty., Materials on construction site: 60%)**<br>An optical fiber cable with connectors at both ends, which is used for transmission between optical termination sets and active devices or among active devices. The exterior jacket is 3 mm in diameter. Patch cord length is 3 meters and 6 meters. SM and MM optical fiber cables have outer jackets of the same diameter. Type ST-SC-FC-LC-MTRJ connectors are available. Interference loss values should be below 0.3 dB, and the test results shall be submitted to the administration. Any material and labor will be included. | | |
| **35.545.2100** | **3MT SM PATCH CORDS** | | |
| 35.545.2101 | SM LC-LC patch cord | 123,00 | 11,90 |
| 35.545.2102 | SM LC-ST patch cord | 103,00 | 9,85 |
| 35.545.2103 | SM LC-SC patch cord | 103,00 | 9,85 |
| 35.545.2104 | SM LC-FC patch cord | 112,00 | 10,70 |
| 35.545.2105 | SM ST-ST patch cord | 54,50 | 5,35 |
| 35.545.2106 | SM ST-SC patch cord | 63,50 | 6,15 |
| 35.545.2107 | SM ST-FC patch cord | 78,00 | 7,35 |
| 35.545.2108 | SM SC-SC patch cord | 68,00 | 6,45 |
| 35.545.2109 | SM SC-FC patch cord | 85,50 | 8,35 |
| 35.545.2110 | SM FC-FC patch cord | 94,00 | 8,95 |
| 35.545.2111 | SM MTRJ-MTRJ patch cord | 115,00 | 10,30 |
| 35.545.2112 | SM MTRJ-ST patch cord | 115,00 | 10,30 |
| 35.545.2113 | SM MTRJ-SC patch cord | 115,00 | 10,30 |
| 35.545.2114 | SM MTRJ-LC patch cord | 115,00 | 10,30 |
| 35.545.2115 | SM MTRJ-FC patch cord | 115,00 | 10,30 |
| **35.545.2200** | **6MT SM PATCH CORDS** | | |
| 35.545.2201 | SM LC-LC patch cord | 131,00 | 12,20 |
| 35.545.2202 | SM LC-ST patch cord | 109,00 | 10,40 |
| 35.545.2203 | SM LC-SC patch cord | 109,00 | 10,40 |
| 35.545.2204 | SM LC-FC patch cord | 118,00 | 11,20 |
| 35.545.2205 | SM ST-ST patch cord | 62,00 | 6,15 |
| 35.545.2206 | SM ST-SC patch cord | 71,00 | 6,85 |
| 35.545.2207 | SM ST-FC patch cord | 87,00 | 8,35 |
| 35.545.2208 | SM SC-SC patch cord | 75,00 | 7,10 |
| 35.545.2209 | SM SC-FC patch cord | 91,00 | 8,65 |
| 35.545.2210 | SM FC-FC patch cord | 103,00 | 9,30 |
| 35.545.2211 | SM MTRJ-MTRJ patch cord | 123,00 | 10,80 |
| 35.545.2212 | SM MTRJ-ST patch cord | 123,00 | 10,80 |
| 35.545.2213 | SM MTRJ-SC patch cord | 123,00 | 10,80 |
| 35.545.2214 | SM MTRJ-LC patch cord | 123,00 | 10,80 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.545.2215 | SM MTRJ-FC patch cord | 123,00 | 10,80 |
| **35.545.2300** | **3MT MM PATCH CORDS** | | |
| 35.545.2301 | MM LC-LC patch cord | 151,00 | 14,50 |
| 35.545.2302 | SM LC-ST patch cord | 112,00 | 10,40 |
| 35.545.2303 | SM LC-SC patch cord | 116,00 | 11,20 |
| 35.545.2304 | SM LC-FC patch cord | 126,00 | 11,90 |
| 35.545.2305 | MM ST-ST patch cord | 44,70 | 4,40 |
| 35.545.2306 | MM ST-SC patch cord | 50,50 | 5,10 |
| 35.545.2307 | MM ST-FC patch cord | 108,00 | 10,30 |
| 35.545.2308 | MM SC-SC patch cord | 52,00 | 5,35 |
| 35.545.2309 | MM SC-FC patch cord | 109,00 | 10,40 |
| 35.545.2310 | MM FC-FC patch cord | 115,00 | 10,70 |
| 35.545.2311 | MM MTRJ-MTRJ patch cord | 115,00 | 10,30 |
| 35.545.2312 | MM MTRJ-ST patch cord | 115,00 | 10,30 |
| 35.545.2313 | MM MTRJ-SC patch cord | 115,00 | 10,30 |
| 35.545.2314 | MM MTRJ-LC patch cord | 115,00 | 10,30 |
| 35.545.2315 | MM MTRJ-FC patch cord | 115,00 | 10,30 |
| **35.545.2400** | **6MT MM PATCH CORDS** | | |
| 35.545.2401 | MM LC-LC patch cord | 160,00 | 15,30 |
| 35.545.2402 | SM LC-ST patch cord | 121,00 | 11,80 |
| 35.545.2403 | SM LC-SC patch cord | 126,00 | 11,90 |
| 35.545.2404 | SM LC-FC patch cord | 131,00 | 12,20 |
| 35.545.2405 | MM ST-ST patch cord | 52,00 | 5,10 |
| 35.545.2406 | MM ST-SC patch cord | 57,50 | 5,35 |
| 35.545.2407 | MM ST-FC patch cord | 118,00 | 11,20 |
| 35.545.2408 | MM SC-SC patch cord | 62,00 | 6,15 |
| 35.545.2409 | MM SC-FC patch cord | 118,00 | 11,20 |
| 35.545.2410 | MM FC-FC patch cord | 123,00 | 11,90 |
| 35.545.2411 | MM MTRJ-MTRJ patch cord | 120,00 | 10,30 |
| 35.545.2412 | MM MTRJ-ST patch cord | 120,00 | 10,30 |
| 35.545.2413 | MM MTRJ-SC patch cord | 120,00 | 10,30 |
| 35.545.2414 | MM MTRJ-LC patch cord | 120,00 | 10,30 |
| 35.545.2415 | MM MTRJ-FC patch cord | 120,00 | 10,30 |
| **35.545.3000** | **Rack-type Optical Fiber Termination Unit (Unit: Qty., Materials on construction site: 60%)**<br>To be used for connecting optical fiber equipment for high-quality and wideband data, audio and video transfer on local area networks, closed circuit television systems, industrial automation systems, telecommunication rooms, and between transfer points with min. 90-meter distance to each other. 1U-high, compatible with 19” rack cabinets, and optical fiber cables of ITU G 651, 652 and 655 standards, equipped with two detachable and (V0) fireproof plastic adapter panels, fireproof plastic dust caps for unused adapter slots, additional modular cassettes made of fireproof plastic with transparent covers and min. 16 fiber capacity each for direct transmissions and terminations; cable inputs on the sides and at the back compatible with cable inputs, outputs and tee connectors and equipped with plastic dust caps compatible with such inputs; and adapters, panels, additional cassettes and additional guards, and available for insertion of simplex and duplex ST, SC, FC, LC, MTRJ optical adapters. Any material and labor shall be included. | | |
| 35.545.3001 | 4 Fiber ST / MM | 610,00 | 204,00 |
| 35.545.3002 | 6 Fiber ST / MM | 645,00 | 207,00 |
| 35.545.3003 | 8 Fiber ST / MM | 683,00 | 214,00 |
| 35.545.3004 | 12 Fiber ST / MM | 738,00 | 222,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.545.3005 | 24 Fiber ST / MM | 1.200,00 | 357,00 |
| 35.545.3006 | 4 Fiber SC / MM | 615,00 | 204,00 |
| 35.545.3007 | 6 Fiber SC / MM | 640,00 | 209,00 |
| 35.545.3008 | 8 Fiber SC / MM | 681,00 | 219,00 |
| 35.545.3009 | 12 Fiber SC / MM | 742,00 | 232,00 |
| 35.545.3010 | 24 Fiber SC / MM | 1.080,00 | 325,00 |
| 35.545.3011 | 4 Fiber FC / MM | 658,00 | 219,00 |
| 35.545.3012 | 6 Fiber FC / MM | 704,00 | 233,00 |
| 35.545.3013 | 8 Fiber FC / MM | 748,00 | 249,00 |
| 35.545.3014 | 12 Fiber FC / MM | 865,00 | 276,00 |
| 35.545.3015 | 4 Fiber MTRJ / MM | 605,00 | 204,00 |
| 35.545.3016 | 6 Fiber MTRJ / MM | 640,00 | 207,00 |
| 35.545.3017 | 8 Fiber MTRJ / MM | 653,00 | 208,00 |
| 35.545.3018 | 12 Fiber MTRJ / MM | 711,00 | 214,00 |
| 35.545.3019 | 24 Fiber MTRJ / MM | 993,00 | 289,00 |
| 35.545.3020 | 4 Fiber LC / MM | 658,00 | 219,00 |
| 35.545.3021 | 6 Fiber LC / MM | 690,00 | 232,00 |
| 35.545.3022 | 8 Fiber LC / MM | 731,00 | 241,00 |
| 35.545.3023 | 12 Fiber LC / MM | 834,00 | 265,00 |
| 35.545.3024 | 24 Fiber LC / MM | 1.240,00 | 381,00 |
| 35.545.3025 | 4 Fiber ST / SM | 628,00 | 208,00 |
| 35.545.3026 | 6 Fiber ST / SM | 655,00 | 219,00 |
| 35.545.3027 | 8 Fiber ST / SM | 701,00 | 226,00 |
| 35.545.3028 | 12 Fiber ST / SM | 783,00 | 241,00 |
| 35.545.3029 | 24 Fiber ST / SM | 1.250,00 | 393,00 |
| 35.545.3030 | 4 Fiber SC / SM | 653,00 | 217,00 |
| 35.545.3031 | 6 Fiber SC / SM | 682,00 | 229,00 |
| 35.545.3032 | 8 Fiber SC / SM | 727,00 | 239,00 |
| 35.545.3033 | 12 Fiber SC / SM | 853,00 | 265,00 |
| 35.545.3034 | 24 Fiber SC / SM | 1.120,00 | 333,00 |
| 35.545.3035 | 4 Fiber FC / SM | 658,00 | 219,00 |
| 35.545.3036 | 6 Fiber FC / SM | 704,00 | 233,00 |
| 35.545.3037 | 8 Fiber FC / SM | 748,00 | 249,00 |
| 35.545.3038 | 12 Fiber FC / SM | 865,00 | 276,00 |
| 35.545.3039 | 4 Fiber MTRJ / SM | 610,00 | 204,00 |
| 35.545.3040 | 6 Fiber MTRJ / SM | 624,00 | 207,00 |
| 35.545.3041 | 8 Fiber MTRJ / SM | 653,00 | 208,00 |
| 35.545.3042 | 12 Fiber MTRJ / SM | 716,00 | 217,00 |
| 35.545.3043 | 24 Fiber MTRJ / SM | 1.010,00 | 290,00 |
| 35.545.3044 | 4 Fiber LC / SM | 671,00 | 222,00 |
| 35.545.3045 | 6 Fiber LC / SM | 713,00 | 238,00 |
| 35.545.3046 | 8 Fiber LC / SM | 754,00 | 251,00 |
| 35.545.3047 | 12 Fiber LC / SM | 870,00 | 279,00 |
| 35.545.3048 | 24 Fiber LC / SM | 1.300,00 | 409,00 |
| **35.545.4000** | **Rack-type Optical Fiber Termination Unit (Unit: Qty., Materials on construction site: 60%)**<br>To be used for connecting optical fiber equipment for high-quality and wideband data, audio and video transfer on local area networks, closed circuit television systems, industrial automation systems, telecommunication rooms, and between transfer points with min. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 90-meter distance to each other. 4U-high, compatible with 19” rack cabinets, and optical fiber cables of ITU G 651, 652 and 655 standards, equipped with min. 14 detachable and (V0) fireproof plastic adapter panels, fireproof plastic dust caps for unused adapter slots, additional modular cassettes made of fireproof plastic with transparent covers, special compartments for 5 cassettes, a fiber distribution panel, and min. 16 fiber capacity each for direct transmissions and terminations; cable inputs on the sides and at the back compatible with cable inputs, outputs and tee connectors and equipped with plastic dust caps compatible with such inputs; and adapters, panels, additional cassettes and additional guards, and available for insertion of simplex and duplex ST, SC, FC, LC, MTRJ optical adapters. Any material and labor shall be included. | | |
| 35.545.4001 | 4 Fiber ST / MM | 1.130,00 | 374,00 |
| 35.545.4002 | 6 Fiber ST / MM | 1.160,00 | 379,00 |
| 35.545.4003 | 8 Fiber ST / MM | 1.170,00 | 381,00 |
| 35.545.4004 | 12 Fiber ST / MM | 1.200,00 | 393,00 |
| 35.545.4005 | 24 Fiber ST / MM | 1.510,00 | 491,00 |
| 35.545.4006 | 36 Fiber ST / MM | 1.870,00 | 580,00 |
| 35.545.4007 | 48 Fiber ST / MM | 2.150,00 | 658,00 |
| 35.545.4008 | 4 Fiber SC / MM | 1.130,00 | 377,00 |
| 35.545.4009 | 6 Fiber SC / MM | 1.150,00 | 381,00 |
| 35.545.4010 | 8 Fiber SC / MM | 1.180,00 | 381,00 |
| 35.545.4011 | 12 Fiber SC / MM | 1.230,00 | 402,00 |
| 35.545.4012 | 24 Fiber SC / MM | 1.550,00 | 505,00 |
| 35.545.4013 | 36 Fiber SC / MM | 1.920,00 | 606,00 |
| 35.545.4014 | 48 Fiber SC / MM | 2.270,00 | 692,00 |
| 35.545.4015 | 4 Fiber FC / MM | 1.190,00 | 386,00 |
| 35.545.4016 | 6 Fiber FC / MM | 1.230,00 | 403,00 |
| 35.545.4017 | 8 Fiber FC / MM | 1.270,00 | 417,00 |
| 35.545.4018 | 12 Fiber FC / MM | 1.370,00 | 443,00 |
| 35.545.4019 | 24 Fiber FC / MM | 1.440,00 | 455,00 |
| 35.545.4020 | 36 Fiber FC / MM | 2.300,00 | 742,00 |
| 35.545.4021 | 48 Fiber FC / MM | 2.700,00 | 868,00 |
| 35.545.4022 | 4 Fiber MTRJ / MM | 1.120,00 | 374,00 |
| 35.545.4023 | 6 Fiber MTRJ / MM | 1.150,00 | 381,00 |
| 35.545.4024 | 8 Fiber MTRJ / MM | 1.190,00 | 386,00 |
| 35.545.4025 | 12 Fiber MTRJ / MM | 1.260,00 | 409,00 |
| 35.545.4026 | 24 Fiber MTRJ / MM | 1.600,00 | 526,00 |
| 35.545.4027 | 36 Fiber MTRJ / MM | 1.860,00 | 408,00 |
| 35.545.4028 | 48 Fiber MTRJ / MM | 2.500,00 | 788,00 |
| 35.545.4029 | 4 Fiber LC / MM | 1.190,00 | 386,00 |
| 35.545.4030 | 6 Fiber LC / MM | 1.230,00 | 402,00 |
| 35.545.4031 | 8 Fiber LC / MM | 1.270,00 | 413,00 |
| 35.545.4032 | 12 Fiber LC / MM | 1.340,00 | 442,00 |
| 35.545.4033 | 24 Fiber LC / MM | 1.810,00 | 579,00 |
| 35.545.4034 | 36 Fiber LC / MM | 2.210,00 | 713,00 |
| 35.545.4035 | 48 Fiber LC / MM | 2.600,00 | 827,00 |
| 35.545.4036 | 4 Fiber ST / SM | 1.160,00 | 379,00 |
| 35.545.4037 | 6 Fiber ST / SM | 1.180,00 | 384,00 |
| 35.545.4038 | 8 Fiber ST / SM | 1.200,00 | 393,00 |
| 35.545.4039 | 12 Fiber ST / SM | 1.260,00 | 409,00 |
| 35.545.4040 | 24 Fiber ST / SM | 1.630,00 | 531,00 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.545.4041 | 36 Fiber ST / SM | 2.020,00 | 637,00 |
| 35.545.4042 | 48 Fiber ST / SM | 2.350,00 | 666,00 |
| 35.545.4043 | 4 Fiber SC / SM | 1.180,00 | 383,00 |
| 35.545.4044 | 6 Fiber SC / SM | 1.210,00 | 395,00 |
| 35.545.4045 | 8 Fiber SC / SM | 1.240,00 | 408,00 |
| 35.545.4046 | 12 Fiber SC / SM | 1.330,00 | 433,00 |
| 35.545.4047 | 24 Fiber SC / SM | 1.760,00 | 571,00 |
| 35.545.4048 | 36 Fiber SC / SM | 2.160,00 | 699,00 |
| 35.545.4049 | 48 Fiber SC / SM | 2.600,00 | 822,00 |
| 35.545.4050 | 4 Fiber FC / SM | 1.190,00 | 386,00 |
| 35.545.4051 | 6 Fiber FC / SM | 1.230,00 | 403,00 |
| 35.545.4052 | 8 Fiber FC / SM | 1.270,00 | 417,00 |
| 35.545.4053 | 12 Fiber FC / SM | 1.370,00 | 443,00 |
| 35.545.4054 | 24 Fiber FC / SM | 1.430,00 | 455,00 |
| 35.545.4055 | 36 Fiber FC / SM | 2.300,00 | 737,00 |
| 35.545.4056 | 48 Fiber FC / SM | 2.700,00 | 868,00 |
| 35.545.4057 | 4 Fiber MTRJ / SM | 1.130,00 | 374,00 |
| 35.545.4058 | 6 Fiber MTRJ / SM | 1.170,00 | 381,00 |
| 35.545.4059 | 8 Fiber MTRJ / SM | 1.190,00 | 386,00 |
| 35.545.4060 | 12 Fiber MTRJ / SM | 1.270,00 | 413,00 |
| 35.545.4061 | 24 Fiber MTRJ / SM | 1.640,00 | 529,00 |
| 35.545.4062 | 36 Fiber MTRJ / SM | 1.990,00 | 626,00 |
| 35.545.4063 | 48 Fiber MTRJ / SM | 2.570,00 | 796,00 |
| 35.545.4064 | 4 Fiber LC / SM | 1.200,00 | 393,00 |
| 35.545.4065 | 6 Fiber LC / SM | 1.240,00 | 408,00 |
| 35.545.4066 | 8 Fiber LC / SM | 1.290,00 | 425,00 |
| 35.545.4067 | 12 Fiber LC / SM | 1.390,00 | 455,00 |
| 35.545.4068 | 24 Fiber LC / SM | 1.860,00 | 606,00 |
| 35.545.4069 | 36 Fiber LC / SM | 2.340,00 | 754,00 |
| 35.545.4070 | 48 Fiber LC / SM | 2.730,00 | 887,00 |
| **35.545.5000** | **Wall Mount Fiber Optical Termination Unit (Unit: Qty., Materials on construction site: 60%)**<br>Compatible with lightweight, ABS, “V0” fireproof fiber cables with plastic, lockable cover in ITU G 651, 652 and 655 standards as well as simplex and duplex adapters body used for connection of optical fiber equipment, equipped with fireproof plastic dust caps on idle adapter slots, additional cassettes integrated with the housing, 12 fiber capacity, and with cable inputs and outputs compatible with tee connectors, and cable inputs on the top and on the bottom, and with adapters, panels, additional guards, and equipped with a detachable (V0) fireproof adapter panel and an adapter panel that is compatible with ST, SC, FC, LC, MTRJ optical adapters, for high-quality and wideband data, audio and video transfer at all transmission points positioned farther than 90 meters to each other in local area networks, closed circuit television systems, industrial automation systems or telecommunication rooms. Any material and labor shall be included. | | |
| 35.545.5001 | 4 Fiber ST / MM | 507,00 | 159,00 |
| 35.545.5002 | 6 Fiber ST / MM | 536,00 | 168,00 |
| 35.545.5003 | 8 Fiber ST / MM | 571,00 | 170,00 |
| 35.545.5004 | 12 Fiber ST / MM | 624,00 | 181,00 |
| 35.545.5005 | 4 Fiber SC / MM | 512,00 | 164,00 |
| 35.545.5006 | 6 Fiber SC / MM | 551,00 | 170,00 |
| 35.545.5007 | 8 Fiber SC / MM | 592,00 | 179,00 |
| 35.545.5008 | 12 Fiber SC / MM | 646,00 | 185,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.545.5009 | 4 Fiber FC / MM | 551,00 | 179,00 |
| 35.545.5010 | 6 Fiber FC / MM | 604,00 | 193,00 |
| 35.545.5011 | 4 Fiber MTRJ / MM | 505,00 | 159,00 |
| 35.545.5012 | 6 Fiber MTRJ / MM | 535,00 | 167,00 |
| 35.545.5013 | 8 Fiber MTRJ / MM | 570,00 | 170,00 |
| 35.545.5014 | 12 Fiber MTRJ / MM | 616,00 | 180,00 |
| 35.545.5015 | 4 Fiber LC / MM | 551,00 | 179,00 |
| 35.545.5016 | 6 Fiber LC / MM | 592,00 | 192,00 |
| 35.545.5017 | 8 Fiber LC / MM | 635,00 | 204,00 |
| 35.545.5018 | 12 Fiber LC / MM | 742,00 | 232,00 |
| 35.545.5019 | 4 Fiber ST / SM | 527,00 | 168,00 |
| 35.545.5020 | 6 Fiber ST / SM | 570,00 | 179,00 |
| 35.545.5021 | 8 Fiber ST / SM | 596,00 | 185,00 |
| 35.545.5022 | 4 Fiber SC / SM | 546,00 | 175,00 |
| 35.545.5023 | 6 Fiber SC / SM | 583,00 | 185,00 |
| 35.545.5024 | 8 Fiber SC / SM | 642,00 | 199,00 |
| 35.545.5025 | 12 Fiber SC / SM | 725,00 | 219,00 |
| 35.545.5026 | 4 Fiber FC / SM | 557,00 | 179,00 |
| 35.545.5027 | 6 Fiber FC / SM | 604,00 | 193,00 |
| 35.545.5028 | 12 Fiber MTRJ / SM | 624,00 | 181,00 |
| 35.545.5029 | 4 Fiber LC / SM | 566,00 | 181,00 |
| 35.545.5030 | 6 Fiber LC / SM | 619,00 | 199,00 |
| 35.545.5031 | 8 Fiber LC / SM | 667,00 | 214,00 |
| 35.545.5032 | 12 Fiber LC / SM | 785,00 | 241,00 |
| **35.545.6000** | **Wall Mount Fiber Optical Termination Unit (Unit: Qty., Materials on construction site: 60%)**<br>To be used for connecting optical fiber equipment for high-quality and wideband data, audio and video transfer on local area networks, closed circuit television systems, industrial automation systems, telecommunication rooms, and between transfer points with min. 90-meter distance to each other. Locked, with two covers and the additional cassette compartment and the panel connection compartment accessible through separate covers, and optical fiber cables of ITU G 651, 652 and 655 standards, equipped with 4 detachable and (V0) fireproof plastic adapter panels, fireproof plastic dust caps for idle adapter slots, additional modular cassettes made of fireproof plastic with transparent covers, compartments with min. 3 additional cassettes, a fiber distribution panel, and min. 16 fiber capacity each for direct transmissions and terminations; cable inputs on the sides and at the back compatible with cable inputs, outputs and tee connectors and equipped with plastic dust caps compatible with such inputs; and adapters, panels, additional cassettes and additional guards, and available for insertion of simplex and duplex ST, SC, FC, LC, MTRJ optical adapters. Any material and labor shall be included. | | |
| 35.545.6001 | 4 Fiber ST / MM | 665,00 | 219,00 |
| 35.545.6002 | 6 Fiber ST / MM | 680,00 | 229,00 |
| 35.545.6003 | 8 Fiber ST / MM | 725,00 | 233,00 |
| 35.545.6004 | 12 Fiber ST / MM | 783,00 | 248,00 |
| 35.545.6005 | 24 Fiber ST / MM | 1.150,00 | 344,00 |
| 35.545.6006 | 36 Fiber ST / MM | 1.460,00 | 436,00 |
| 35.545.6007 | 48 Fiber ST / MM | 1.800,00 | 511,00 |
| 35.545.6008 | 4 Fiber SC / MM | 672,00 | 226,00 |
| 35.545.6009 | 6 Fiber SC / MM | 671,00 | 222,00 |
| 35.545.6010 | 8 Fiber SC / MM | 732,00 | 238,00 |
| 35.545.6011 | 12 Fiber SC / MM | 804,00 | 251,00 |
| 35.545.6012 | 24 Fiber SC / MM | 1.200,00 | 357,00 |
| 35.545.6013 | 36 Fiber SC / MM | 1.540,00 | 460,00 |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.545.6014 | 48 Fiber SC / MM | 1.900,00 | 543,00 |
| 35.545.6015 | 4 Fiber FC / MM | 720,00 | 239,00 |
| 35.545.6016 | 6 Fiber FC / MM | 762,00 | 254,00 |
| 35.545.6017 | 8 Fiber FC / MM | 808,00 | 266,00 |
| 35.545.6018 | 12 Fiber FC / MM | 910,00 | 299,00 |
| 35.545.6019 | 24 Fiber FC / MM | 1.400,00 | 444,00 |
| 35.545.6020 | 36 Fiber FC / MM | 1.890,00 | 590,00 |
| 35.545.6021 | 48 Fiber FC / MM | 2.340,00 | 720,00 |
| 35.545.6022 | 4 Fiber MTRJ / MM | 662,00 | 219,00 |
| 35.545.6023 | 6 Fiber MTRJ / MM | 677,00 | 226,00 |
| 35.545.6024 | 8 Fiber MTRJ / MM | 720,00 | 232,00 |
| 35.545.6025 | 12 Fiber MTRJ / MM | 797,00 | 251,00 |
| 35.545.6026 | 24 Fiber MTRJ / MM | 1.200,00 | 377,00 |
| 35.545.6027 | 36 Fiber MTRJ / MM | 1.480,00 | 442,00 |
| 35.545.6028 | 48 Fiber MTRJ / MM | 1.780,00 | 491,00 |
| 35.545.6029 | 4 Fiber LC / MM | 714,00 | 238,00 |
| 35.545.6030 | 6 Fiber LC / MM | 754,00 | 251,00 |
| 35.545.6031 | 8 Fiber LC / MM | 802,00 | 265,00 |
| 35.545.6032 | 12 Fiber LC / MM | 883,00 | 273,00 |
| 35.545.6033 | 24 Fiber LC / MM | 1.380,00 | 442,00 |
| 35.545.6034 | 36 Fiber LC / MM | 1.830,00 | 565,00 |
| 35.545.6035 | 48 Fiber LC / MM | 2.250,00 | 685,00 |
| 35.545.6036 | 4 Fiber ST / SM | 682,00 | 229,00 |
| 35.545.6037 | 6 Fiber ST / SM | 713,00 | 238,00 |
| 35.545.6038 | 8 Fiber ST / SM | 762,00 | 248,00 |
| 35.545.6039 | 12 Fiber ST / SM | 834,00 | 265,00 |
| 35.545.6040 | 24 Fiber ST / SM | 1.240,00 | 381,00 |
| 35.545.6041 | 36 Fiber ST / SM | 1.660,00 | 491,00 |
| 35.545.6042 | 48 Fiber ST / SM | 2.050,00 | 589,00 |
| 35.545.6043 | 4 Fiber SC / SM | 714,00 | 233,00 |
| 35.545.6044 | 6 Fiber SC / SM | 720,00 | 239,00 |
| 35.545.6045 | 8 Fiber SC / SM | 786,00 | 260,00 |
| 35.545.6046 | 12 Fiber SC / SM | 882,00 | 281,00 |
| 35.545.6047 | 24 Fiber SC / SM | 1.350,00 | 425,00 |
| 35.545.6048 | 36 Fiber SC / SM | 1.810,00 | 555,00 |
| 35.545.6049 | 48 Fiber SC / SM | 2.230,00 | 670,00 |
| 35.545.6050 | 4 Fiber FC / SM | 720,00 | 239,00 |
| 35.545.6051 | 6 Fiber FC / SM | 762,00 | 254,00 |
| 35.545.6052 | 8 Fiber FC / SM | 808,00 | 266,00 |
| 35.545.6053 | 12 Fiber FC / SM | 919,00 | 299,00 |
| 35.545.6054 | 24 Fiber FC / SM | 1.400,00 | 444,00 |
| 35.545.6055 | 36 Fiber FC / SM | 1.890,00 | 590,00 |
| 35.545.6056 | 48 Fiber FC / SM | 2.360,00 | 720,00 |
| 35.545.6057 | 4 Fiber MTRJ / SM | 665,00 | 219,00 |
| 35.545.6058 | 6 Fiber MTRJ / SM | 680,00 | 229,00 |
| 35.545.6059 | 8 Fiber MTRJ / SM | 723,00 | 233,00 |
| 35.545.6060 | 12 Fiber MTRJ / SM | 802,00 | 254,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.545.6061 | 24 Fiber MTRJ / SM | 1.230,00 | 377,00 |
| 35.545.6062 | 36 Fiber MTRJ / SM | 1.490,00 | 442,00 |
| 35.545.6063 | 48 Fiber MTRJ / SM | 1.790,00 | 497,00 |
| 35.545.6064 | 4 Fiber LC / SM | 733,00 | 241,00 |
| 35.545.6065 | 6 Fiber LC / SM | 776,00 | 260,00 |
| 35.545.6066 | 8 Fiber LC / SM | 828,00 | 275,00 |
| 35.545.6067 | 12 Fiber LC / SM | 918,00 | 307,00 |
| 35.545.6068 | 24 Fiber LC / SM | 1.420,00 | 465,00 |
| 35.545.6069 | 36 Fiber LC / SM | 1.920,00 | 606,00 |
| 35.545.6070 | 48 Fiber LC / SM | 2.380,00 | 742,00 |
| **35.545.7000** | **PE Optical Fiber Cable Protection Pipes (Unit: m.)**<br>Installation, including any material and labor, of polyethylene pipes in minimum 450 N pressure class. They will be used as cable protection pipes in telecommunication infrastructure systems. They must meet EN50086-2-4 and EN 61386-24 standards. | | |
| 35.545.7001 | single pipe, Ø32 mm | 11,30 | 3,00 |
| 35.545.7002 | single pipe, Ø40 mm | 15,40 | 3,00 |
| 35.545.7003 | dual multiplexer pipe, Ø2 x 32 mm | 19,80 | 3,00 |
| 35.545.7004 | dual multiplexer pipe, Ø2 x 40 mm | 27,60 | 3,00 |
| 35.545.7005 | triple multiplexer pipe, Ø40 x 32 x 32 mm | 29,30 | 3,00 |
| **35.550.0000** | **RACK CABINETS (Unit: Qty., Materials on construction site: 60%)**<br>(As per TS EN 61587-1) | | |
| **35.550.1000** | **Wall-mounted cabinets:**<br>Supply, and installation in working order, including any small material, of cabinets coated with electrostatic powder paint, with type tests conducted and results submitted to the administration; min. 2-mm-thick back covers and internal rails (2 in front, 2 at the back), min. 1.5-mm-thick DKP sheet metal internal surfaces, 19-inch-wide gaps between the rails, bottom chassis with a cable input section that prevents dust ingress and secures cables, key-lock, detachable front and side covers, front cover made of tempered, anti-static, secure, smoke gray glass with 4-mm grinding and 135 degrees of angle, which can be opened with a key and detached, with at least a 3-cm diameter screw-fixed frame with metal fittings around the glass that hold it to enhance its strength, with ventilation gratings on the top and/or side surfaces, with the edges of the holes on the rails sized min. 9.5 ± 0.01 mm each, and with the rails moveable along the depth of the cabinet. | | |
| 35.550.1001 | 7U 600 mm x 500 mm 19″ cabinet | 1.630,00 | 31,40 |
| 35.550.1002 | 9U 600 mm x 500 mm 19″ cabinet | 1.820,00 | 31,40 |
| 35.550.1003 | 12U 600 mm x 500 mm 19″ cabinet | 2.070,00 | 31,40 |
| 35.550.1004 | 7U 600 mm x 600 mm 19″ cabinet | 1.790,00 | 31,40 |
| 35.550.1005 | 9U 600 mm x 600 mm 19″ cabinet | 1.960,00 | 31,40 |
| 35.550.1006 | 12U 600 mm x 600 mm 19″ cabinet | 2.390,00 | 31,40 |
| **35.550.2000** | **Floor-standing cabinets:**<br>Cabinets shall be coated with electrostatic powder paint, with lockable castors with 200 kg capacity, type tests conducted and results submitted to the administration; min. 2-mm-thick back covers and internal rails (2 in front, 2 at the back), min. 1.5-mm-thick DKP sheet metal internal surfaces, 19-inch-wide gaps between the rails, bottom chassis with a cable input section that prevents dust ingress and secures cables, key-lock, detachable front, back and side covers, front cover made of tempered, anti-static, secure, smoke gray glass with 4-mm grinding and 135 degrees of angle, which can be opened with a key and detached, with at least a 3-cm diameter screw-fixed frame with metal fittings around the glass that hold it to enhance its strength, with ventilation gratings on the top and/or side surfaces, with the edges of the holes on the rails sized 9.5 ± 0.01 mm each, and with the rails movable along the depth of the cabinet, designed to access the fan group when the top cover and/or the cap is removed. | | |

35.400.-Low Current Interior Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| 35.550.2001 | 15U 600 mm x 600 mm 19″ floor-standing cabinet | 4.160,00 | 31,40 |
| 35.550.2002 | 16U 600 mm x 600 mm 19″ floor-standing cabinet | 4.330,00 | 31,40 |
| 35.550.2003 | 20U 600 mm x 600 mm 19″ floor-standing cabinet | 4.630,00 | 31,40 |
| 35.550.2004 | 25U 600 mm x 600 mm 19″ floor-standing cabinet | 5.180,00 | 31,40 |
| 35.550.2005 | 27U 600 mm x 600 mm 19″ floor-standing cabinet | 5.400,00 | 31,40 |
| 35.550.2006 | 30U 600 mm x 600 mm 19″ floor-standing cabinet | 5.720,00 | 31,40 |
| 35.550.2007 | 32U 600 mm x 600 mm 19″ floor-standing cabinet | 5.980,00 | 31,40 |
| 35.550.2008 | 35U 600 mm x 600 mm 19″ floor-standing cabinet | 6.050,00 | 31,40 |
| 35.550.2009 | 37U 600 mm x 600 mm 19″ floor-standing cabinet | 6.310,00 | 31,40 |
| 35.550.2010 | 39U 600 mm x 600 mm 19″ floor-standing cabinet | 6.490,00 | 31,40 |
| 35.550.2011 | 42U 600 mm x 600 mm 19″ floor-standing cabinet | 6.720,00 | 31,40 |
| 35.550.2012 | 45U 600 mm x 600 mm 19″ floor-standing cabinet | 6.900,00 | 31,40 |
| 35.550.2013 | 15U 600 mm x 800 mm 19″ floor-standing cabinet | 4.520,00 | 31,40 |
| 35.550.2014 | 16U 600 mm x 800 mm 19″ floor-standing cabinet | 4.700,00 | 31,40 |
| 35.550.2015 | 20U 600 mm x 800 mm 19″ floor-standing cabinet | 5.030,00 | 31,40 |
| 35.550.2016 | 25U 600 mm x 800 mm 19″ floor-standing cabinet | 5.580,00 | 31,40 |
| 35.550.2017 | 27U 600 mm x 800 mm 19″ floor-standing cabinet | 5.810,00 | 31,40 |
| 35.550.2018 | 30U 600 mm x 800 mm 19″ floor-standing cabinet | 6.160,00 | 31,40 |
| 35.550.2019 | 32U 600 mm x 800 mm 19″ Floor-standing cabinet | 6.420,00 | 31,40 |
| 35.550.2020 | 35U 600 mm x 800 mm 19″ Floor-standing cabinet | 6.630,00 | 31,40 |
| 35.550.2021 | 37U 600 mm x 800 mm 19″ floor-standing cabinet | 6.900,00 | 31,40 |
| 35.550.2022 | 39U 600 mm x 800 mm 19″ floor-standing cabinet | 7.040,00 | 31,40 |
| 35.550.2023 | 42U 600 mm x 800 mm 19″ floor-standing cabinet | 7.300,00 | 31,40 |
| 35.550.2024 | 45U 600 mm x 800 mm 19″ floor-standing cabinet | 7.670,00 | 31,40 |
| 35.550.2025 | 30U 800 mm x 800 mm 19″ floor-standing cabinet | 7.230,00 | 31,40 |
| 35.550.2026 | 32U 800 mm x 800 mm 19″ floor-standing cabinet | 7.530,00 | 31,40 |
| 35.550.2027 | 35U 800 mm x 800 mm 19″ floor-standing cabinet | 7.920,00 | 31,40 |
| 35.550.2028 | 37U 800 mm x 800 mm 19″ floor-standing cabinet | 8.260,00 | 31,40 |
| 35.550.2029 | 39U 800 mm x 800 mm 19″ floor-standing cabinet | 8.620,00 | 31,40 |
| 35.550.2030 | 42U 800 mm x 800 mm 19″ floor-standing cabinet | 9.470,00 | 31,40 |
| 35.550.2031 | 45U 800 mm x 800 mm 19″ floor-standing cabinet | 9.880,00 | 31,40 |
| **35.550.3000** | **Server cabinets** | | |
| 35.550.3001 | 30U 800 mm x 1000 mm 19″ Server cabinet | 11.030,00 | 31,40 |
| 35.550.3002 | 32U 800 mm x 1000 mm 19″ Server cabinet | 11.490,00 | 31,40 |
| 35.550.3003 | 35U 800 mm x 1000 mm 19″ Server cabinet | 11.740,00 | 31,40 |
| 35.550.3004 | 37U 800 mm x 1000 mm 19″ Server cabinet | 11.970,00 | 31,40 |
| 35.550.3005 | 39U 800 mm x 1000 mm 19″ Server cabinet | 12.880,00 | 31,40 |
| 35.550.3006 | 42U 800 mm x 1000 mm 19″ Server cabinet | 13.250,00 | 31,40 |
| 35.550.3007 | 45U 800 mm x 1000 mm 19″ Server cabinet | 13.640,00 | 31,40 |
| **35.550.4000** | **Product Accessories:** | | |
| 35.550.4001 | Fixed shelf for 500 mm depth | 139,00 | |
| 35.550.4002 | Fixed shelf for 600 mm depth | 149,00 | |
| 35.550.4003 | Fixed shelf for 800 mm depth | 186,00 | |
| 35.550.4004 | Fixed shelf for 1000 mm depth | 237,00 | |
| 35.550.4005 | Adjustable shelf for 600 mm depth | 283,00 | |
| 35.550.4006 | Adjustable shelf for 800 mm depth | 356,00 | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.550.4007 | Adjustable shelf for 1000 mm depth | 447,00 | |
| 35.550.4008 | Brake castor group (Front wheels with brakes) | 500,00 | |
| 35.550.4009 | Thermostatic fan module (1 fan) | 514,00 | 20,30 |
| 35.550.4010 | Thermostatic fan module (2 fans) | 686,00 | 20,30 |
| 35.550.4011 | Thermostatic fan module (4 fans) | 972,00 | 20,30 |
| 35.550.4012 | 19″ rack-type 3-outlet socket with switch | 148,00 | 20,30 |
| 35.550.4013 | 19″ rack-type 4-outlet socket with switch | 199,00 | 20,30 |
| 35.550.4014 | 19″ rack-type 6-outlet socket with switch | 267,00 | 20,30 |
| 35.550.4015 | 19″ rack-type 8-outlet socket with switch | 320,00 | 20,30 |
| 35.550.4016 | 19″ rack-type 4-outlet socket with fuse | 491,00 | 20,30 |
| 35.550.4017 | 19″ rack-type 6-outlet socket with fuse | 540,00 | 20,30 |
| 35.550.4018 | 19″ rack-type 8-outlet socket with fuse | 686,00 | 20,30 |
| 35.550.4019 | 19″ 1U horizontal cable organizer | 137,00 | 20,30 |
| 35.550.4020 | 19″ 2U horizontal cable organizer | 179,00 | 20,30 |
| 35.550.4021 | 7U vertical cable organizer (single side) | 101,00 | 20,30 |
| 35.550.4022 | 9U vertical cable organizer (single side) | 110,00 | 20,30 |
| 35.550.4023 | 12U vertical cable organizer (single side) | 113,00 | 20,30 |
| 35.550.4024 | 15U vertical cable organizer (single side) | 137,00 | 20,30 |
| 35.550.4025 | 16U vertical cable organizer (single side) | 148,00 | 20,30 |
| 35.550.4026 | 20U vertical cable organizer (single side) | 179,00 | 20,30 |
| 35.550.4027 | 25U vertical cable organizer (single side) | 219,00 | 20,30 |
| 35.550.4028 | 27U vertical cable organizer (single side) | 236,00 | 20,30 |
| 35.550.4029 | 30U vertical cable organizer (single side) | 257,00 | 20,30 |
| 35.550.4030 | 32U vertical cable organizer (single side) | 267,00 | 20,30 |
| 35.550.4031 | 35U vertical cable organizer (single side) | 290,00 | 20,30 |
| 35.550.4032 | 37U vertical cable organizer (single side) | 301,00 | 20,30 |
| 35.550.4033 | 39U vertical cable organizer (single side) | 308,00 | 20,30 |
| 35.550.4034 | 42U vertical cable organizer (single side) | 320,00 | 20,30 |
| 35.550.4035 | 45U vertical cable organizer (single side) | 345,00 | 20,30 |
| **35.550.7000** | **Data Center Cabinets: (Unit: Qty.) (in compliance with the TS EN 61587-1 standard)**<br>The cabinets to be used to host information equipment should contain a cooling unit, uninterruptible power supply (UPS), surveillance system, at least one power distribution unit (PDU), fire extinguishing unit, and electricity distribution units. They should be rated IP 54 for protection class. The cooling system shall include a copper pipe, cable and gas charge up to 20 m between the internal and external cooling units. It shall be equipped with a locking system for protection against unauthorized access, and allow to log the open/closed status of doors by integration with the surveillance device or by remote access through its firmware. Finger-type vertical organizers shall be installed on cabinets if cabinets wider than 800 m are used. Empty RTUs in the cabinet shall be closed with 6U screwless Blanking Panels that do not require any tool for attachment. Cabinet glass shall be in compliance with TS EN 12150-1:2015+A1. The PDU shall be equipped with minimum 24 x C13 (minimum 20 x C13 for 36U cabinets) and minimum 4 x C19 outputs. It shall be 1PH and capable of drawing a current of 32A. The battery group used with the uninterruptible power supply shall be maintenance-free dry type with 5-year lifecycle. The expected battery life shall be indicated in the battery catalog. The UPS shall have online and double-conversion operating principles with minimum 0.94-percent IGBTs on rectifier and inverter blocks. It should be possible to install an SNMP module on the KGK. The surveillance device shall be IP (Internet Protocol) based. It shall allow access through the local network. The sensors that are available or can be installed on the device shall be capable of detecting and logging the temperature, humidity, water leaks, doors and smoke. It shall support SNMP and/or MODBUS. At least 1 x 3U and 19""-wide cabinet and a Rack-type Electricity Distribution Panel with similar mechanical and metal sheet structure and color shall be available to perform the main energy supply function. The system shall be CE- and RoHS-certified. It shall comply with TS EN 60529 and TS EN 50102. Delivery in working order, including transportation to the work site, installation, and any small installation material, of the system that is in compliance with the 2014/35/EU Low Voltage Directive and 2004/108/EC Electromagnetic Compatibility Directive.<br>Note: Width and depth are for the cabinet and do not include the cooling device and the cold aisle. | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | | | |
| **35.550.7100** | **Single-cabinet Data Center: (Unit: Qty.) (min. 10-kW cooling)**<br>The system with the specifications given in 35.550.7000 is made up of 1 x 42U cabinet. A minimum 10-kW precise air conditioning device with inrow cooling unit, side cooling, direct-expansion (DX) (with Inverter Compressor). There should be h= 150 mm bases under the cabinets, The bases should have brushed cable holes on the right or left side and on the back. 1U fiber panels should be able to run smoothly through the cable holes. The cabinets should be equipped with a tempered glass front door and a solid back door. The uninterruptible power supply (Rack Type UPS) shall have a minimum capacity of 10 kVA (2U). The battery boxes of the device should be 3U 19" rack type with minimum 16 x 12V, 9Ah batteries in each box. The Surveillance System should include at least the following modules; 1 x main control module with web control, 1 x minimum 2-meter cable-type water leak sensor, 2 smoke detectors, 2 heat and humidity sensors, 2 door sensors. The Electricity Distribution Panel should be equipped with the following switches and products: 1 x Main Power Input Circuit Breaker (3x40 A C10kA), 1 Precise Air Conditioner Supply Circuit Breaker (3x25 A C6kA), 1 UPS Supply Circuit Breaker (1x32 A C6kA), 1 UPS Return Circuit Breaker (2x32 A C6kA), 1 PDU Supply Circuit Breaker (1x32 A C6kA), 1 Backup Circuit Breaker (1x32 A C6kA), 1 Backup Circuit Breaker (1x16 A C6kA), 1 unit of 3x40A 300-ma residual current relay, 1 Energy Monitor with Rail-type Communication, 1 Rail-type Power Socket. | | |
| 35.550.7101 | 600x1000mm | 574.700,00 | 223,00 |
| 35.550.7102 | 600x1200mm | 514.100,00 | 223,00 |
| 35.550.7103 | 800x1000mm | 509.300,00 | 223,00 |
| 35.550.7104 | 800x1200mm | 519.500,00 | 223,00 |
| **35.550.7200** | **Dual-cabinet Data Center: (Unit: Qty.)**<br>The system with the specifications given in 35.550.7000 is made up of 2 x 42U cabinet. A minimum 10-kW precise air conditioning device with inrow cooling unit, side cooling, direct-expansion (DX) (with Inverter Compressor). There should be h= 150 mm bases under the cabinets, The bases should have brushed cable holes on the right or left side and on the back. 1U fiber panels should be able to run smoothly through the cable holes. The cabinets should be equipped with a tempered glass front door and a solid back door. The uninterruptible power supply (Rack Type UPS) shall have a minimum capacity of 10 kVA (2U). The battery boxes of the device should be 3U 19" rack type with minimum 16 x 12V, 9Ah batteries in each box. The Surveillance System should include at least the following modules; 1 x main control module with web control, 1 x minimum 2-meter cable-type water leak sensor, 2 smoke detectors, 4 heat and humidity sensors, 4 door sensors. The Electricity Distribution Panel should be equipped with the following switches and products: 1 x Main Power Input Circuit Breaker (3x50 A C10kA), 1 Precise Air Conditioner Supply Circuit Breaker (3x25 A C6kA), 1 UPS Supply Circuit Breaker (1x32 A C6kA), 1 UPS Return Circuit Breaker (2x32 A C6kA), 2 PDU Supply Circuit Breaker (1x32 A C6kA), 2 Backup Circuit Breaker (1x32 A C6kA), 2 Backup Circuit Breaker (1x16 A C6kA), 1 unit of 3x40A 300-ma residual current relay, 1 Energy Monitor with Rail-type Communication, 1 Rail-type Power Socket. | | |
| 35.550.7201 | 600x1000mm | 590.000,00 | 335,00 |
| 35.550.7202 | 600x1200mm | 601.100,00 | 335,00 |
| 35.550.7203 | 800x1000mm | 600.900,00 | 335,00 |
| 35.550.7204 | 800x1200mm | 611.700,00 | 335,00 |
| **35.550.7300** | **3-cabinet Data Center: (Unit: Qty.)**<br>The system with the specifications given in 35.550.7000 is made up of 3 x 42U cabinet. A minimum 20-kW precise air conditioning device with inrow cooling unit, side cooling, direct-expansion (DX) (with Inverter Compressor). There should be h= 150 mm bases under the cabinets, The bases should have brushed cable holes on the right or left side and on the back. 1U fiber panels should be able to run smoothly through the cable holes. The cabinets should be equipped with a tempered glass front door and a solid back door. The uninterruptible power supply (Rack Type UPS) shall have a minimum capacity of 20 kVA (2x10 kVA) (2x2U). The UPS shall be capable of parallel operation with a 20-kVA (1 x 10 kVA) capacity. The battery boxes of the device should be 3U 19" rack type with minimum 16 x 12V, 9Ah batteries in each box. 2 x 3U battery cases capable of parallel operation shall be available for each device. The Surveillance System should include at least the following modules; 1 x main control module with web control, 1 x minimum 2-meter cable-type water leak sensor, 2 smoke detectors, 6 heat and humidity sensors, 6 door sensors. The Electricity Distribution Panel should be equipped with the following | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | switches and products: 1 x Main Power Input Circuit Breaker (3x63 A C10kA), 1 Precise Air Conditioner Supply Circuit Breaker (3x32 A C6kA), 2 UPS Supply Circuit Breaker (1x32 A C6kA), 2 UPS Return Circuit Breaker (2x32 A C6kA), 3 PDU Supply Circuit Breaker (1x32 A C6kA), 2 Backup Circuit Breaker (1x32 A C6kA), 2 Backup Circuit Breaker (1x16 A C6kA), 1 unit of 3x63A 300-ma residual current relay, 1 Energy Monitor with Rail-type Communication, 1 Rail-type Power Socket. | | |
| 35.550.7301 | 600x1000mm | 728.100,00 | 445,00 |
| 35.550.7302 | 600x1200mm | 735.500,00 | 445,00 |
| 35.550.7303 | 800x1000mm | 732.700,00 | 445,00 |
| 35.550.7304 | 800x1200mm | 742.500,00 | 445,00 |
| **35.550.7500** | **Data Center Cabinet: (Unit: Qty.) (min. 3.7-kW cooling)**<br>The system with the specifications given in 35.550.7000 is made up of 36U or 42U cabinet. It shall have a minimum 3.7-kW cooling system. Cabinet dimensions shall be minimum 600 mm (width) x 1000 mm (depth). The cabinets shall be provided with a base (h=100 mm) or casters underneath. Rack Type Uninterruptible Power Supply shall be of minimum 6 kVA capacity. The battery boxes of the device should be 3U 19" rack type with minimum 16 x min. 7 Ah batteries in each box. The Surveillance System should include at least the following modules; 1 x main control module with web control, 1 x minimum 2-meter cable-type water leak sensor, 2 smoke detectors, 2 heat and humidity sensors, 2 door sensors. The Electricity Distribution Panel should be equipped with the following switches and products: 1 x Main Power Input Circuit Breaker (3x40 A C10kA), 1 Precise Air Conditioner Supply Circuit Breaker (3x25 A C6kA), 1 UPS Supply Circuit Breaker (1x32 A C6kA), 1 UPS Return Circuit Breaker (2x32 A C6kA), 1 PDU Supply Circuit Breaker (1x32 A C6kA), 1 Backup Circuit Breaker (1x32 A C6kA), 1 Backup Circuit Breaker (1x16 A C6kA), 1 unit of 3x40A 300-ma residual current relay, 1 Energy Monitor with Rail-type Communication, 1 Rail-type Power Socket. | | |
| 35.550.7501 | 36U | 254.400,00 | 223,00 |
| 35.550.7502 | 42U | 257.800,00 | 223,00 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# TELEPHONE EXCHANGE WIRING UNIT PRICES AND DEFINITIONS

2022/3

35.700.-Telephone Exchange Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.700.1100** | **Electronic Type Fully Automated Telephone Exchange: (Unit: Qty., Materials on construction site: 80%)**<br>The supply and installation on site of the telephone exchange manufactured in accordance with the Directive (1999/5/EC) Radio Equipment and Telecommunications Terminal Equipment, introduced to the market with the CE marking, of which specifications are defined in the Technical Specification, comprising fully solid state semi-conductor circuit components, micro-processor controlled, of modular electronic automatic type; the installation of the internal and external subscriber distribution panel, the making of the cable connections coming from the telephone exchange and subscribers; the provision of a special battery (TS 1352-1 EN 60896-11, TS 1352-2 EN 60896-21, TS 1352-3 EN 60896-22) and a rectifier for the exchange, all kinds of small materials, workmanship and the delivery of the telephone exchange in working order.<br>Note: There will be robot operator and voice message system port at a quantity of 15 percent of the number of external line for the proposed telephone exchange. | | |
| 35.700.1101 | 5/ 10 | 11.070,00 | 1.260,00 |
| 35.700.1102 | 4/ 20 | 13.630,00 | 1.260,00 |
| 35.700.1103 | 4/ 24 | 14.140,00 | 1.510,00 |
| 35.700.1104 | 4/ 28 | 14.650,00 | 1.510,00 |
| 35.700.1105 | 6/ 28 | 16.100,00 | 1.510,00 |
| 35.700.1106 | 4/ 32 | 16.260,00 | 1.510,00 |
| 35.700.1107 | 5/ 50 | 20.470,00 | 1.680,00 |
| 35.700.1108 | 4/ 56 | 26.780,00 | 1.730,00 |
| 35.700.1109 | 8/ 56 | 28.070,00 | 1.730,00 |
| 35.700.1110 | 8/ 96 | 42.310,00 | 2.160,00 |
| 35.700.1111 | 12/ 96 | 44.060,00 | 2.380,00 |
| 35.700.1112 | 10/ 100 | 44.240,00 | 2.540,00 |
| 35.700.1113 | 8/ 104 | 43.100,00 | 2.830,00 |
| 35.700.1114 | 12/ 104 | 49.370,00 | 3.030,00 |
| 35.700.1115 | 12/ 144 | 74.910,00 | 3.460,00 |
| 35.700.1116 | 12/ 152 | 77.240,00 | 3.840,00 |
| 35.700.1117 | 16/ 152 | 79.560,00 | 4.060,00 |
| 35.700.1118 | 20/ 200 | 111.100,00 | 4.520,00 |
| 35.700.1119 | 20/ 216 (at least 50% expandable) type | 121.600,00 | 4.970,00 |
| 35.700.1120 | 24/ 200 (at least 50% expandable) type | 127.200,00 | 5.200,00 |
| 35.700.1121 | 28/ 248 (at least 50% expandable) type | 145.200,00 | 9.700,00 |
| 35.700.1122 | 28/ 304 (min. 50% expansion capacity) type | 165.300,00 | 7.140,00 |
| 35.700.1123 | 32/ 304 (min. 50% expansion capacity) type | 165.600,00 | 6.280,00 |
| 35.700.1124 | 36/ 360 (at least 50% expandable) type | 186.300,00 | 6.730,00 |
| 35.700.1125 | 40/ 400 (at least 50% expandable) type | 226.900,00 | 7.540,00 |
| 35.700.1126 | 44/ 456 (at least 50% expandable) type | 251.300,00 | 8.100,00 |
| 35.700.1127 | 50/ 500 (at least 50% expandable) type | 270.100,00 | 8.100,00 |
| 35.700.1128 | 52/ 504 (at least 50% expandable) type | 281.700,00 | 8.190,00 |
| 35.700.1129 | 60/ 600 (at least 50% expandable) type | 358.300,00 | 8.270,00 |
| 35.700.1130 | 70/ 700 (at least 50% expandable) type | 407.700,00 | 8.420,00 |
| 35.700.1131 | 72/ 704 (at least 50% expandable) type | 416.700,00 | 8.910,00 |
| 35.700.1132 | 80/ 800 (at least 50% expandable) type | 472.100,00 | 7.730,00 |
| 35.700.1133 | 92/ 904 (at least 50% expandable) type | 505.800,00 | 10.290,00 |
| 35.700.1134 | 100/ 1000 (at least 50% expandable) type | 553.700,00 | 11.120,00 |
| 35.700.1135 | 104/ 1008 (at least 50% expandable) type | 559.600,00 | 11.430,00 |
| 35.700.1136 | 4/ 16 | 12.800,00 | 1.260,00 |
| 35.700.1137 | 4/ 48 | 20.910,00 | 1.510,00 |
| 35.700.1138 | 6/ 16 | 13.070,00 | 1.260,00 |
| 35.700.1139 | 6/ 24 | 15.210,00 | 1.510,00 |
| 35.700.1140 | 6/ 32 | 17.290,00 | 1.510,00 |

35.700.-Telephone Exchange Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.700.1141 | 6/ 40 | 19.120,00 | 1.510,00 |
| 35.700.1142 | 6/ 56 | 21.620,00 | 1.680,00 |
| 35.700.1143 | 8/ 16 | 14.940,00 | 1.510,00 |
| 35.700.1144 | 8/ 24 | 15.660,00 | 1.510,00 |
| 35.700.1145 | 8/ 32 | 19.260,00 | 1.510,00 |
| 35.700.1146 | 8/ 48 | 21.650,00 | 1.510,00 |
| 35.700.1147 | 8/ 64 | 25.420,00 | 1.680,00 |
| 35.700.1148 | 8/ 72 | 28.980,00 | 1.680,00 |
| 35.700.1149 | 8/ 80 | 30.030,00 | 2.160,00 |
| 35.700.1150 | 12/ 80 | 33.660,00 | 2.380,00 |
| 35.700.1151 | 12/ 88 | 36.430,00 | 2.830,00 |
| 35.700.1152 | 12/ 112 | 41.150,00 | 3.030,00 |
| 35.700.1153 | 12/ 136 | 74.630,00 | 3.840,00 |
| 35.700.1154 | 12/ 120 | 71.140,00 | 3.230,00 |
| 35.700.1155 | 16/ 128 | 74.530,00 | 3.460,00 |
| 35.700.1156 | 16/ 144 | 78.290,00 | 3.660,00 |
| 35.700.1157 | 16/ 160 | 86.520,00 | 4.060,00 |
| 35.700.1158 | 16/ 176 | 91.880,00 | 4.320,00 |
| 35.700.1159 | 16/ 192 | 96.450,00 | 4.320,00 |
| 35.700.1160 | 16/ 208 | 116.400,00 | 4.520,00 |
| 35.700.1161 | 20/ 184 | 113.700,00 | 4.320,00 |
| 35.700.1162 | 20/ 120 | 84.900,00 | 3.840,00 |
| 35.700.1163 | 20/ 208 | 128.900,00 | 4.760,00 |
| 35.700.1164 | 20/ 232 | 135.500,00 | 4.760,00 |
| 35.700.1165 | 24/ 208 | 127.500,00 | 4.760,00 |
| 35.700.1200 | **ISDN PRA CONNECTION (Unit Qty.)**<br>It is an external line connection with 2 Mbit/s (30B+D) capacity supporting the characteristics at ITU-T standards associated with the below specified standards and services. Will be 0.3 percent (three per thousand) of number of the internal lines of the exchange with the item number 890-500 in the project. (For example, it will be maximum 3 units for a telephone exchange with 1000 internal lines) Caller ID (CLIP) ETS 300 092 Caller ID Restriction (CLIR) ETS 300 093 Connected Line ID (COLP) ETS 300 097 Connected Line ID Restriction (COLR) ETS 300 098 Direct Call (DDI ETS 300 064 Fee setting (AOC-D and E) ETS 300 182 Note: The system shall not contain BRA when PRA is used. | 4.850,00 | 255,00 |
| **35.700.2000** | **HYBRID IP DIGITAL TELEPHONE EXCHANGE (Unit: Qty.) (Materials on construction site: 80%)**<br>Shall be manufactured in accordance with Directive (1999/5/EC) Radio Equipment and Telecommunications Terminal Equipment, introduced to the market with the CE marking. The procedures and principles specified in the Regulation on the Protection of Personal Data and Protection of Privacy in the Electronic Communications Sector shall be complied with. The telephone exchange shall fully comply with the recently published books and recommendations (including the country options specified by the service provider company), standards of ITU-T (International Telecommunication Union) and ETSI (European Telecommunication Standards Institution). -The exchange must fully support the state-of-the-art IP (Internet Protocol) and DECT (wireless telephone system) applications. IP (Internet protocol) and DECT system features shall be applied on the telephone exchange and then be handed over to the administration. Additionally, DECT telephone sets shall support Caller ID (CLIP), Connected Line ID (COLP), Caller Name ID (CNIP), Dialed Name ID (CONP), dialing by name, leaving message, roaming features and the subscriber will be able to use these features when they want. IP (Internet protocol) and DECT system features shall be applied on the telephone exchange and then be handed over to the administration. -There must be at least two processors in the systems exceeding the capacity of 250 ports and they must be operated as hot stand by (full load sharing). -Systems exceeding the total capacity of 250 ports capacity should be extendable by at least 50 percent. -At least three (3) persons should be included in the conference in a conference circuit. However, the telephone exchange should support multiple conferences as hardware and software. -The telephone exchange shall support all current ISDN standards and recommendations published by the Information and Communication Technologies Authority and ITU-T. -It shall be a completely modular system as software and hardware. -The system shall be accessed and intervened by modem for malfunctions and system programming. -The exchange must support analogue and digital junction connections (2 and 4-wire E and M, ISDN, Ethernet, R2, etc.) in order to be able to work in networks that are created and can be created. -Together with a rectifier unit, | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | a maintenance-free type dry battery group capable to feed the system for at least 8 hours must be included. - For each 20 analog external lines and 30 digital external lines (PRI) in the system configuration, 1 operator console and headset shall be supplied. -Robot operator and voicemail system: For each 24 analog external lines, a 4 channel capacity robot operator and voice mail system shall be included. -With regard to the extension capacities, all kinds of software and hardware that will serve the subscriber shall be included in the additional capacity and the service quality of the exchange will not decrease. -At least one computer or an equivalent device that perform the same function shall be supplied for remote intervention, maintenance and programming of the exchange. -The main distribution frame (MDF) to be supplied must be two-sided (exchange and building side). Analog TT lines must be protected against high voltage and current. The grounding and power supply of the system shall be established separately and independently. -The system shall be guaranteed for at least two years. -The whole system, including all materials and workmanship, shall be delivered in working order. Robot operator and message recording system: -The system will serve in at least in two languages (Turkish and English). -Message recording time shall be at least 100 hours for systems with a total capacity of up to 250 subscribers and the time will be increased by the same ratio as the increment in the number of subscribers for the systems with more than 250 subscribers. -For the security of personal information, the system will be password protected. -The system will be powered by the exchange. Pricing: - Programs or information for call billing shall be in the format requested by the administration. Note: 1- As the monopoly of Turk Telekom in the field of telecommunication since the beginning of 2004 will be lifted in accordance with the legislation, the decisions of the authority to replace TT shall be valid. 2- It shall be calculated as 1 Analogue or ISDN BRA subscriber= 1 port 1 trunk= 1 port ISDN PRI= 30 ports. Article 1: In the exchange, programs, operating parameters and contact information shall not be affected by power failures. Article 2: Exchange and telephone sets shall ensure the use of the features offered by the Euro-ISDN standards. These features are: Euro-ISDN Service and Features: Call Hold (CH) - Call Hold: This is the feature that the subscriber can make another call by holding the subscriber he/she is talking to. Call Barring (CB) - Outgoing Call Restriction: This is the feature that the subscriber can turn off and on the device for all outgoing calls or for certain calls. Call Waiting (CW) - Call Waiting: This feature is to notify the subscriber of the incoming call with a warning tone when its line is busy. The subscriber either contacts the new caller by placing the existing call on hold or ends the other one by choosing one of the calls. Call Forward-B / U / NR- Call Forwarding: This is the feature of forwarding incoming calls to predetermined numbers. Call forwarding can be done in three different ways; Subscriber Busy - B: Incoming calls are forwarded if the subscriber is busy. All Calls - U: All incoming calls are forwarded. No Response – NR: Incoming calls are forwarded only when there is no answer after a pre-set number of rings. Conference Call: A feature that allows more than two subscribers to communicate Terminal Portability (TP) - Terminal Portability: It is a feature that enables the subscriber's device to park and connect to another socket in connection with the same access or resume the communication at the time of communication (connection). Call Transfer (CT) - Call Transfer: A feature for transferring an incoming call to another subscriber. MCID - Capturing Malicious Calls: Centralized detection of disturbing calls. CCBS - Busy Redial: This is the feature of automatic redialing when the called number is busy. Line Hunting - Line Hunting: This feature is used to distribute incoming calls according to a predetermined order. Call Deflection (CD) -: This feature is to divert the call to another terminal device before the call is established (before the called subscriber picks up the phone). MSN-Multiple Subscriber Number: It is the feature of having a separate number for each device to be connected to ISDN line (up to 8 terminals) or using more than one number for a single terminal device. (It is used in ISDN BA Subscription.) DDI-Direct Search: It is the feature that callers can reach the internal subscriber by dialing prefix + subscriber's extension number directly. (Used in ISDN PA Subscription.) Sub Addressing - Sub addressing: It is the feature that the subscribers can define a logical address for their terminal devices. More than one address shall be assigned to the devices connected to the line after the phone number for a single ISDN number. User to signalling-UUS: This is the feature of performing short messaging or scale data transmission using D signalling channel. AOC- Fee Determination: It is a feature of the fees or units related to the call to be displayed during the call setup, the call or at the end of the call. CUG-Closed User Group: It is a special virtual network communication feature for one or more group of users. CLIP- Caller ID: It is a feature of seeing the number of the caller. This is a feature that the subscriber will get. CLIR- Caller ID Restriction: It is possible to prevent caller number from being seen on the opposite side. CLIR Override: This feature is the suppression of the CLIR feature of the caller. COLP-Connected Line ID: It is the feature that the number of the connected terminal can be seen. It can be used especially if the confirmation that the sent information has gone to the right place, such as to a device (fax etc.), can not be received. COLR- Connected Line ID Restriction: It is the feature of preventing the number of the called subscriber from going to the calling party.<br>IP FEATURES: IP Hybrid digital telephone exchange shall support IPv4 and IPv6 protocols. VOIP Protocols: Ethernet interfaces will support the following VoIP protocols: H.323 or SIP (Session Initiation Protocol). VoIP Codecs: The following codecs shall be available for IP subscriber and external line applications. (G.711 (A and μ), G.722, G.723 (5.3 kbps), G.729, G 729A) Echo suppressor: For VoIP calls, echo suppressors will be available at G.168. IP Subscribers: H.323 gatekeeper and SIP registrar shall be available at IP exchange, SIP and H.323 IP subscriber shall be able to connect to the exchange even if there is no static IP address. It shall be possible that the phones (analog and IP), video phones and softphones are connected. IP users (IP telephony etc.) as much as the amount given in the exchange table shall be supported. These IP subscribers and external line licenses shall be delivered. IP subscribers shall be able to connect to the exchange even if there are no static IP addresses. IP external line: The IP exchange shall be able to be registered to H. 323 gatekeeper and SIP registrars. Thus, the exchange can be connected to another exchange by SIP protocol and to the alternative operator (UMTH) via SIP protocol. | | |

35.700.-Telephone Exchange Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | IP Subscriber and external line programming: IP subscribers as much as the amount given in the exchange table shall be supported and international line programming shall be done easily by using the same maintenance operation program over the internet. PC Console Applications: The digital and analogue subscribers to the IP exchange shall be able to use their phones integrated with a Windows- or a similar software-based computer. From these subscribers' computers, dialing, call answering, holding, diverting, conferencing, phone book calling, missed call monitoring, listening to voicemail shall be able to be done. Line Recording: The exchange shall support the voice recording feature. In case of request of the administration, the voice recordings of the pre-determined analogue internal or external lines shall be accomplished and voice alerting shall be made. WEB Phone (calling from the web): The subscribers of the exchange shall be able to search the web browser without entering codes and passwords. Softphone Applications: Subscriptions shall be given from the exchange by way of a software installed on PCs. Programmable busy panel (the IP, analogue, digital subscribers of the exchange will show the status), speed dial keys, parking keys, transfer key shall be compatible with Windows (all versions) or similar operating systems. Subscriptions shall be given from the exchange by way of a software installed on smart phones. At least 5 softphones shall be provided together with the IP exchange. Internet Protocol: The exchange shall support central IPv4 (Internet Protocol Version 4) and IPv6 (Internet Protocol Version 6) at the same time. Session Initiation Protocol: The switchboard must fully support IP (Internet protocol) subscriber / outline applications and IP DECT (wireless Telephone System) applications running with the state-of-the-art SIP (Session Initiation Protocol) network protocol. IP Applications: SIP-based IP Telephones IP Video Phones, Software Based IP Phones and Smart Mobile (GSM) Phone applications shall be able be operated on the exchange. | | |
| | **Hybrid IP Digital Telephone Exchange Capacities**<br>Analogue External Line / Analog Internal Line / Digital Internal Line / Numerical External Line (PRI) / IP External Line / IP Internal Line / Explanation | | |
| 35.700.2001 | 8 / 32 / 15 / _ / _ / _ | 60.640,00 | 4.970,00 |
| 35.700.2002 | 12 / 48 / 15 /_ / _ / _ | 77.470,00 | 6.490,00 |
| 35.700.2003 | 16 / 64 / 15 / _ / _ / _ | 95.390,00 | 6.920,00 |
| 35.700.2004 | 16 / 80 / 31 / _ / _ / _ | 103.800,00 | 7.510,00 |
| 35.700.2005 | 20 / 112 /15 / _ / _ / _ | 119.300,00 | 8.430,00 |
| 35.700.2006 | 20 / 128/ 31 / _ / _ / _ | 146.000,00 | 9.920,00 |
| 35.700.2007 | 24 / 144 / 46 /_ / _ / _ | 167.200,00 | 10.400,00 |
| 35.700.2008 | 24 / 160 / 30 / _ / _ / _ | 168.100,00 | 10.920,00 |
| 35.700.2009 | 28 / 160 / 30 / _ / _ / _ | 165.700,00 | 11.410,00 |
| 35.700.2010 | 4 / 48 / 14 / 1 / _ / _ | 72.190,00 | 6.490,00 |
| 35.700.2011 | 8 / 64 / 14 / 1 / _ / _ | 94.600,00 | 7.000,00 |
| 35.700.2012 | 16 / 80 / 30 / 1 / _ / _ | 116.400,00 | 7.990,00 |
| 35.700.2013 | 16 / 112 / 14 / 1/ _ / _ | 126.200,00 | 8.940,00 |
| 35.700.2014 | 20 / 128 / 30 / 1/ _ / _ | 153.400,00 | 9.920,00 |
| 35.700.2015 | 24 / 144 / 46 / 1/ _ / _ | 182.900,00 | 11.900,00 |

35.700.-Telephone Exchange Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.700.2016 | 24 / 160 / 30 / 1/ _ / _ | 189.000,00 | 12.370,00 |
| 35.700.2017 | 28 / 160 / 29 / 1/ _ / _ | 195.500,00 | 13.370,00 |
| 35.700.2018 | 32 / 192 / 46 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity. | 242.600,00 | 19.760,00 |
| 35.700.2019 | 16 / 224 / 30 / 1 / _ / _ / With minimum 2 processors and 50% expansion capacity. | 243.700,00 | 20.230,00 |
| 35.700.2020 | 24 / 288 / 30 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 262.100,00 | 21.250,00 |
| 35.700.2021 | 16 / 288 / 46 / 1 /_ / _ / With minimum 2 processors and 50% expansion capacity | 275.800,00 | 22.260,00 |
| 35.700.2022 | 48 / 352 / 45 / _ /_ / _ / With minimum 2 processors and 50% expansion capacity | 327.700,00 | 26.160,00 |
| 35.700.2023 | 24 / 352 / 45 / 1 /_ / _ / With minimum 2 processors and 50% expansion capacity | 317.900,00 | 25.690,00 |
| 35.700.2024 | 16 / 448 / 61 / 2 /_ / _ / With minimum 2 processors and 50% expansion capacity | 373.300,00 | 31.060,00 |
| 35.700.2025 | 24 / 464 / 45 / 1 /_ / _ / With minimum 2 processors and 50% expansion capacity | 372.300,00 | 30.570,00 |
| 35.700.2026 | 64 / 512 / 76 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 469.500,00 | 35.510,00 |
| 35.700.2027 | 16 / 544 / 61 / 2 / _ / _ / With minimum 2 processors and 50% expansion capacity | 484.500,00 | 34.550,00 |
| 35.700.2028 | 72 / 592 / 92 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 494.700,00 | 37.480,00 |
| 35.700.2029 | 24 / 640 / 60 / 2 / _ / _ / With minimum 2 processors and 50% expansion capacity | 481.700,00 | 35.990,00 |
| 35.700.2030 | 80 / 704 / 92 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 567.600,00 | 42.850,00 |
| 35.700.2031 | 24 / 736 / 60 / 2 / _ / _ / With minimum 2 processors and 50% expansion capacity | 534.700,00 | 39.460,00 |
| 35.700.2032 | 96 / 784 / 107 / _ /_ / _ / With minimum 2 processors and 50% expansion capacity | 620.500,00 | 46.800,00 |
| 35.700.2033 | 32 / 816 / 76 / 2 / _ / _ / With minimum 2 processors and 50% expansion capacity | 591.400,00 | 44.410,00 |
| 35.700.2034 | 104 / 864 / 138 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 687.300,00 | 52.150,00 |
| 35.700.2035 | 32 / 912 / 91 / 3 / _ / _ / With minimum 2 processors and 50% expansion capacity | 649.800,00 | 49.300,00 |
| 35.700.2036 | 120 / 1.056 / 138 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 852.000,00 | 60.570,00 |
| 35.700.2037 | 40 / 1.104 / 91 / 3 / _ / _ / With minimum 2 processors and 50% expansion capacity. | 811.400,00 | 56.660,00 |
| 35.700.2038 | 152 / 1.312 / 152 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.007.300,00 | 74.420,00 |
| 35.700.2039 | 32 / 1.376 / 122 / 4 / _ / _ / With minimum 2 processors and 50% expansion capacity | 941.100,00 | 69.450,00 |
| 35.700.2040 | 176 / 1.584 / 215 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.200.300,00 | 89.560,00 |
| 35.700.2041 | 56 / 1.680 / 169 / 4 / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.136.700,00 | 84.440,00 |
| 35.700.2042 | 200 / 1.760 / 230 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.321.300,00 | 98.490,00 |
| 35.700.2043 | 72 / 1.952 / 183 / 5 / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.286.600,00 | 97.020,00 |
| 35.700.2044 | 256 / 2.192 / 291 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.660.800,00 | 120.700,00 |
| 35.700.2045 | 96 / 2.496 / 245 / 6 / _ / _ / With minimum 2 processors and 50% expansion capacity | 1.532.600,00 | 124.100,00 |
| 35.700.2046 | 304 / 2.800 / 400 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 2.115.700,00 | 169.600,00 |
| 35.700.2047 | 112 / 3.104 / 307 / 7 / _ / _ / With minimum 2 processors and 50% expansion capacity | 2.028.400,00 | 151.200,00 |
| 35.700.2048 | 400 / 3.504 / 492 / _ / _ / With minimum 2 processors and 50% expansion capacity. | 2.628.200,00 | 213.200,00 |
| 35.700.2049 | 128 / 3.904 / 384 / 9 / _ / _ / With minimum 2 processors and 50% expansion capacity | 2.492.400,00 | 188.800,00 |
| 35.700.2050 | 456 / 4.400 / 585 / _ / _ / _ / With minimum 2 processors and 50% expansion capacity | 3.186.400,00 | 257.800,00 |
| 35.700.2051 | 176 / 4.992 / 508 / 11 / _ / _ / With minimum 2 processors and 50% expansion capacity | 3.162.100,00 | 237.200,00 |
| 35.700.2100 | 8 / 32 / 15 / _ / 6 / 30 | 72.960,00 | 6.340,00 |
| 35.700.2101 | 12 / 48 / 15 /_ / 67 / 50 | 88.550,00 | 8.250,00 |
| 35.700.2102 | 16 / 64 / 15 / _ / 6 / 50 | 105.700,00 | 8.820,00 |
| 35.700.2103 | 16 / 80 / 31 / _ / 10 / 80 | 144.600,00 | 9.550,00 |
| 35.700.2104 | 20 / 112 /15 / _ / 10 / 100 | 171.700,00 | 10.810,00 |
| 35.700.2105 | 20 / 128/ 31 / _ / 10 / 120 | 191.500,00 | 12.670,00 |
| 35.700.2106 | 24 / 144 / 46 / _ /10 / 140 | 222.500,00 | 13.260,00 |
| 35.700.2107 | 24 / 160 / 30 / _ / 10 / 160 | 225.400,00 | 13.880,00 |
| 35.700.2108 | 28 / 160 / 30 / _ / 10 / 160 | 229.000,00 | 14.580,00 |
| 35.700.2109 | 4 / 48 / 14 / 1 / 6 / 50 | 90.930,00 | 8.250,00 |
| 35.700.2110 | 8 / 64 / 14 / 1 / 6 / 50 | 118.000,00 | 8.900,00 |

35.700.-Telephone Exchange Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.700.2111 | 16 / 80 / 30 / 1 / 10 / 80 | 155.800,00 | 10.110,00 |
| 35.700.2112 | 16 / 112 / 14 / 1 / 10 / 100 | 174.900,00 | 11.410,00 |
| 35.700.2113 | 20 / 128 / 30 / 1 / 10 / 120 | 196.100,00 | 12.670,00 |
| 35.700.2114 | 24 / 144 / 46 / 1 / 10 / 140 | 229.300,00 | 15.200,00 |
| 35.700.2115 | 24 / 160 / 30 / 1 / 10 / 160 | 239.000,00 | 15.760,00 |
| 35.700.2116 | 28 / 160 / 29 / 1 / 10 / 160 | 253.400,00 | 17.050,00 |
| 35.700.2117 | 32 / 192 / 46 / _ / 10 / 200 / With minimum 2 processors and 50% expansion capacity. | 299.800,00 | 25.200,00 |
| 35.700.2118 | 16 / 224 / 30 / 1 / 14 / 220 / With minimum 2 processors and 50% expansion capacity. | 304.400,00 | 25.850,00 |
| 35.700.2119 | 24 / 288 / 30 / _ / 14 / 280 / With minimum 2 processors and 50% expansion capacity. | 334.600,00 | 27.150,00 |
| 35.700.2120 | 16 / 288 / 46 / 1 / 18 / 280 / With minimum 2 processors and 50% expansion capacity. | 347.500,00 | 28.400,00 |
| 35.700.2121 | 48 / 352 / 45 / _ / 22 / 350 / With minimum 2 processors and 50% expansion capacity. | 418.100,00 | 33.430,00 |
| 35.700.2122 | 24 / 352 / 45 / 1 / 22 / 350 / With minimum 2 processors and 50% expansion capacity. | 407.300,00 | 32.790,00 |
| 35.700.2123 | 16 / 448 / 61 / 2 / 26 / 440 / With minimum 2 processors and 50% expansion capacity. | 485.800,00 | 39.710,00 |
| 35.700.2124 | 24 / 464 / 45 / 1 / 26 / 460 / With minimum 2 processors and 50% expansion capacity. | 485.200,00 | 39.070,00 |
| 35.700.2125 | 64 / 512 / 76 / _ / 30 / 500 / With minimum 2 processors and 50% expansion capacity. | 577.100,00 | 45.400,00 |
| 35.700.2126 | 16 / 544 / 61 / 2 / 30 / 540 / With minimum 2 processors and 50% expansion capacity. | 592.100,00 | 44.110,00 |
| 35.700.2127 | 72 / 592 / 92 / _ / 34 / 600 / With minimum 2 processors and 50% expansion capacity. | 619.300,00 | 47.860,00 |
| 35.700.2128 | 24 / 640 / 60 / 2 / 38 / 640 / With minimum 2 processors and 50% expansion capacity. | 609.500,00 | 45.950,00 |
| 35.700.2129 | 80 / 704 / 92 / _ / 42 / 700 / With minimum 2 processors and 50% expansion capacity. | 722.500,00 | 54.770,00 |
| 35.700.2130 | 24 / 736 / 60 / 2 / 42 / 730 / With minimum 2 processors and 50% expansion capacity. | 688.500,00 | 50.410,00 |
| 35.700.2131 | 96 / 784 / 107 / _ / 46 / 780 / With minimum 2 processors and 50% expansion capacity. | 798.900,00 | 59.790,00 |
| 35.700.2132 | 32 / 816 / 76 / 2 / 46 / 800 / With minimum 2 processors and 50% expansion capacity. | 759.700,00 | 56.660,00 |
| 35.700.2133 | 104 / 864 / 138 / _ / 50 / 860 / With minimum 2 processors and 50% expansion capacity. | 877.000,00 | 66.580,00 |
| 35.700.2134 | 32 / 912 / 91 / 3 / 50 / 900 / With minimum 2 processors and 50% expansion capacity. | 837.600,00 | 62.960,00 |
| 35.700.2135 | 120 / 1.056 / 138 / _ / 54 / 1000 / With minimum 2 processors and 50% expansion capacity. | 1.086.200,00 | 77.390,00 |
| 35.700.2136 | 40 / 1.104 / 91 / 3 / 54 / 1100 / With minimum 2 processors and 50% expansion capacity. | 1.040.400,00 | 72.440,00 |
| 35.700.2137 | 152 / 1.312 / 152 / _ / 58 / 1300 / With minimum 2 processors and 50% expansion capacity. | 1.265.200,00 | 95.050,00 |
| 35.700.2138 | 32 / 1.376 / 122 / 4 / 58 / 1350 / With minimum 2 processors and 50% expansion capacity. | 1.197.100,00 | 88.740,00 |
| 35.700.2139 | 176 / 1,584 / 215 / _ / 62 / 1,580 / With minimum 2 processors and 50% expansion capacity. | 1.504.600,00 | 114.400,00 |
| 35.700.2140 | 56 / 1680 / 169 / 4 / 62 / 1680 / With minimum 2 processors and 50% expansion capacity. | 1.451.400,00 | 107.900,00 |
| 35.700.2141 | 200 / 1,760 / 230 / _ / 70 / 1,760 / With minimum 2 processors and 50% expansion capacity. | 1.648.700,00 | 125.900,00 |
| 35.700.2142 | 72 / 1952 / 183 / 5 /80 / 1880 / With minimum 2 processors and 50% expansion capacity. | 1.660.300,00 | 124.000,00 |
| 35.700.2143 | 256 / 2.192 / 291 / _ / 90 / 2,000 / With minimum 2 processors and 50% expansion capacity. | 2.079.900,00 | 154.200,00 |
| 35.700.2144 | 96 / 2.496 / 245 / 6 / 100 / 2500 / With minimum 2 processors and 50% expansion capacity. | 2.008.500,00 | 158.800,00 |
| 35.700.2145 | 304 / 2.800 / 400 / _ / 120 / 2800 / With minimum 2 processors and 50% expansion capacity. | 2.713.300,00 | 216.500,00 |
| 35.700.2146 | 112 / 3.104 / 307 / 7 / 150 / 3100 / With minimum 2 processors and 50% expansion capacity. | 2.617.900,00 | 193.400,00 |
| 35.700.2147 | 400 / 3.504 / 492 / _ / 200 / 3500 / With minimum 2 processors and 50% expansion capacity. | 3.386.000,00 | 272.900,00 |
| 35.700.2148 | 128 / 3.904 / 384 / 9 / 250 / 3900 / With minimum 2 processors and 50% expansion capacity. | 3.241.000,00 | 230.700,00 |
| 35.700.2149 | 456 / 4.400 / 585 / _ / 300 / 4400 / With minimum 2 processors and 50% expansion capacity. | 4.109.400,00 | 314.400,00 |
| 35.700.2150 | 176 / 4.992 / 508 / 11 / 350 / 5000 / With minimum 2 processors and 50% expansion capacity. | 4.076.000,00 | 289.400,00 |
| 35.700.3100 | **Type 1 digital telephone set:**<br>Telephone sets shall be connected with standard 2 (two) wire and will receive energy from the power plant. The sets must have 12 programmable keys, missed calls list and name dialing feature, hands-free calling feature, LCD screen with at least 80°Characters, caller ID and name ID features, date and time information on the screen, mute button (the key keeping the sound from going to the opposite side). The sets (at least 2B+D) shall support ISDN features | 1.570,00 | 115,00 |
| 35.700.3105 | **Type 2 digital telephone set:**<br>Telephone sets shall be connected with standard 2 (two) wire and will receive energy from the power plant. The sets must have 5 programmable keys, hands-free calling feature, LCD screen with at least | 1.130,00 | 37,40 |

35.700.-Telephone Exchange Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 40°Characters, caller ID and name ID features, date and time information on the screen, mute button (the key keeping the sound from going to the opposite side). The sets (at least 2B+D) shall support ISDN features Optional features for the sets - There must be a redial button. - The sets must be able to send short messages to each other. -The sets must be capable to keep 30°Calls in memory. (10 missed calls, 10 incoming calls, 10°Calls made) - Ringtone and volume settings must be done on the sets. Sets must keep 100 names and numbers in the address book. | | |
| 35.700.3110 | **Type 1 IP telephone set:**<br>IP phones shall be able to be connected to IP exchange. These video IP phones will be equipped with at least two Ethernet ports, an LCD display, a programmable busy board (shall display whether the IP, analogue and digital subscribers of the exchange and the trunks are busy), speed dial keys, parking keys, transfer key, monitoring features. | 2.330,00 | 149,00 |
| 35.700.3115 | **Type 2 IP telephone set:**<br>IP phones shall be able to be connected to IP exchange. IP phones shall be equipped with at least two Ethernet ports, an LCD display, a programmable busy board (shall display whether the IP, analogue and digital subscribers of the exchange are busy), speed dial keys, parking keys, transfer key features. | 1.230,00 | 52,00 |

**REPUBLIC OF TÜRKİYE**

**MINISTRY OF ENVIRONMENT,**

**URBANISM AND CLIMATE CHANGE**

Directorate of Higher Technical Board

1934

# LIFT INSTALLATION
# UNIT PRICES AND DEFINITIONS

2022/3

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.710.1000** | **NORMAL LIFT INSTALLATION (in compliance with TS EN 81-20 and TS EN 81-50)**<br>Compliance with the standards TS EN 81-20 and TS EN 81-50 for General and Safety Rules, TS EN 12016 for electromagnetic compatibility, and TS ISO 8100-30 and TS ISO 8238 4190-2 for placement and dimensions shall be sought. Delivery in working order of the elevator installation with door leaves made of 1.25-mm-thick DKP sheet metal; fully automatic floor doors (with two telescopic leaves, opening from the center to the sides) zinc phosphatized by spraying method in surface cleaning baths, then painted in a color requested by the administration by electrostatic method and oven-dried, and certified for compliance with CE standards; door mechanisms with the same specifications and with drive engines, which shall be installed on the carriage and driven with a mechanism (chain, belt, lever, etc.) to operate in synchronization with the floor doors; locking mechanisms, pulleys, roller guides, rails, belts, chains, levers and electronic cards CE certified; fully automatic carriage door (two-leaf, telescopic, opening from the center to the sides); emergency uninterruptible power supply with Ni-Cd or dry battery which shall move the carriage to the nearest floor and open the doors in case of power outage; light curtain equal to the inner height of the door, which contains multiple beams (at least 94 beams) to protect the occupants or loads entering the carriage (full-height photocell); frequency inverter that adjusts the speed of the motor to prevent the impacts while the elevator starts to move or stops and to adjust the position of the carriage precisely; a tacho generator or encoder that constantly measures the motor speed; a filter that eliminates the disturbances in the system; variable voltage/variable frequency (vvvf) drive system that is made up of a regulated feedback and resistance unit; cumulative control feature, including material and labor (except the group controller equipment).<br>NOTE:<br>The elevator installation shall be manufactured in compliance with the Directive 2014/33/EU for Lifts and Safety Components for Lifts, other relevant legal provisions, and bear a CE compliance marking.<br>The fully automatic floor doors shall fulfill the specifications provided in the standard TS EN 81-58 and fire-resistant as per the Fire Safety Directive. The fire-resistant doors shall be certified to resist fire for at least 60 minutes by an accredited organization.<br>The carriage interior, and fully automatic carriage and floor doors shall be paneled with (0.80 mm thick) satin stainless steel sheet. | | |
| **35.710.1100** | **Class I lifts (The lifts designed for carrying passengers).**<br>**Variable-speed, Capacity: 630 kg, Unit: Qty.**<br>Capacity (rated capacity): 630 kg, Pit (cross section) size: 2,000 x 2,100 mm (width x depth), Carriage cross-sectional size: 1,100 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 1.45 - 1.66 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area. | | |
| 35.710.1101 | 2 Stops 1.00 m/s speed | 259.700,00 | 20.870,00 |
| 35.710.1102 | 3 Stops 1.00 m/s speed | 271.200,00 | 22.500,00 |
| 35.710.1103 | 4 Stops 1.00 m/s speed | 283.900,00 | 26.110,00 |
| 35.710.1104 | 5 Stops 1.00 m/s speed | 297.700,00 | 29.740,00 |
| 35.710.1105 | 6 Stops 1.00 m/s speed | 311.700,00 | 33.410,00 |
| 35.710.1106 | 7 Stops 1.00 m/s speed | 325.800,00 | 37.010,00 |
| 35.710.1107 | 8 Stops 1.00 m/s speed | 342.000,00 | 42.650,00 |
| 35.710.1108 | 9 Stops 1.00 m/s speed | 358.800,00 | 46.330,00 |
| 35.710.1109 | 10 Stops 1.00 m/s speed | 373.400,00 | 49.930,00 |
| 35.710.1110 | 11 Stops 1.60 m/s speed | 397.500,00 | 53.590,00 |
| 35.710.1111 | 12 Stops 1.60 m/s speed | 412.900,00 | 57.190,00 |
| 35.710.1112 | 13 Stops 1.60 m/s speed | 429.800,00 | 60.890,00 |
| 35.710.1113 | 14 Stops 1.60 m/s speed | 450.200,00 | 64.460,00 |
| 35.710.1114 | 15 Stops 1.60 m/s speed | 477.400,00 | 68.140,00 |
| **35.710.1150** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary).**<br>**Variable-speed, Rated capacity: 800 kg, Unit: Qty.** | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Capacity (rated capacity): 800 kg, Pit (cross section) size: 2,000 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,350 x 1,400 mm (width x depth) or 1,200 x 1,500 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 1.87 - 2.00 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area. | | |
| 35.710.1151 | 2 Stops 1.00 m/s speed | 274.800,00 | 22.570,00 |
| 35.710.1152 | 3 Stops 1.00 m/s speed | 287.500,00 | 24.200,00 |
| 35.710.1153 | 4 Stops 1.00 m/s speed | 299.700,00 | 27.850,00 |
| 35.710.1154 | 5 Stops 1.00 m/s speed | 313.400,00 | 31.450,00 |
| 35.710.1155 | 6 Stops 1.00 m/s speed | 327.800,00 | 35.130,00 |
| 35.710.1156 | 7 Stops 1.00 m/s speed | 343.000,00 | 38.730,00 |
| 35.710.1157 | 8 Stops 1.00 m/s speed | 357.300,00 | 44.370,00 |
| 35.710.1158 | 9 Stops 1.00 m/s speed | 376.400,00 | 48.030,00 |
| 35.710.1159 | 10 Stops 1.00 m/s speed | 397.000,00 | 51.630,00 |
| 35.710.1160 | 11 Stops 1.60 m/s speed | 415.400,00 | 56.500,00 |
| 35.710.1161 | 12 Stops 1.60 m/s speed | 433.100,00 | 60.140,00 |
| 35.710.1162 | 13 Stops 1.60 m/s speed | 448.200,00 | 63.760,00 |
| 35.710.1163 | 14 Stops 1.60 m/s speed | 469.500,00 | 67.420,00 |
| 35.710.1164 | 15 Stops 1.60 m/s speed | 496.900,00 | 71.040,00 |
| **35.710.1200** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Capacity: 1000 kg, Unit: Qty.**<br><br>Capacity (rated capacity): 1000 kg, Pit (cross section) size: 2,200 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,600 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.710.1201 | 2 Stops 1.00 m/s speed | 299.800,00 | 24.870,00 |
| 35.710.1202 | 3 Stops 1.00 m/s speed | 312.500,00 | 26.540,00 |
| 35.710.1203 | 4 Stops 1.00 m/s speed | 325.400,00 | 30.170,00 |
| 35.710.1204 | 5 Stops 1.00 m/s speed | 340.600,00 | 33.780,00 |
| 35.710.1205 | 6 Stops 1.00 m/s speed | 355.000,00 | 37.430,00 |
| 35.710.1206 | 7 Stops 1.00 m/s speed | 368.400,00 | 41.050,00 |
| 35.710.1207 | 8 Stops 1.00 m/s speed | 384.900,00 | 46.730,00 |
| 35.710.1208 | 9 Stops 1.00 m/s speed | 404.600,00 | 50.330,00 |
| 35.710.1209 | 10 Stops 1.00 m/s speed | 424.800,00 | 54.000,00 |
| 35.710.1210 | 11 Stops 1.60 m/s speed | 451.600,00 | 57.610,00 |
| 35.710.1211 | 12 Stops 1.60 m/s speed | 468.200,00 | 61.270,00 |
| 35.710.1212 | 13 Stops 1.60 m/s speed | 482.900,00 | 64.880,00 |
| 35.710.1213 | 14 Stops 1.60 m/s speed | 503.500,00 | 68.510,00 |
| 35.710.1214 | 15 Stops 1.60 m/s speed | 533.700,00 | 72.160,00 |
| **35.710.1250** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Capacity: 1275 kg, Unit: Qty.**<br><br>Capacity (rated capacity): 1,275 kg, Pit (cross section) size: 2,500 x 2,200 mm (width x depth), Carriage cross-sectional size: 2,000 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 2.71 - 2.95 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: 2,100 mm. | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.710.1251 | 2 Stops 1.00 m/s speed | 334.600,00 | 27.260,00 |
| 35.710.1252 | 3 Stops 1.00 m/s speed | 348.500,00 | 28.820,00 |
| 35.710.1253 | 4 Stops 1.00 m/s speed | 362.400,00 | 32.490,00 |
| 35.710.1254 | 5 Stops 1.00 m/s speed | 377.800,00 | 36.110,00 |
| 35.710.1255 | 6 Stops 1.00 m/s speed | 392.300,00 | 39.770,00 |
| 35.710.1256 | 7 Stops 1.00 m/s speed | 406.800,00 | 43.380,00 |
| 35.710.1257 | 8 Stops 1.00 m/s speed | 424.600,00 | 49.030,00 |
| 35.710.1258 | 9 Stops 1.00 m/s speed | 445.300,00 | 52.710,00 |
| 35.710.1259 | 10 Stops 1.00 m/s speed | 466.800,00 | 56.310,00 |
| 35.710.1260 | 11 Stops 1.60 m/s speed | 494.200,00 | 59.980,00 |
| 35.710.1261 | 12 Stops 1.60 m/s speed | 510.600,00 | 63.570,00 |
| 35.710.1262 | 13 Stops 1.60 m/s speed | 528.900,00 | 67.210,00 |
| 35.710.1263 | 14 Stops 1.60 m/s speed | 553.900,00 | 70.840,00 |
| 35.710.1264 | 15 Stops 1.60 m/s speed | 575.200,00 | 74.490,00 |
| **35.710.1500** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Capacity: 1600 kg, Unit: Qty.**<br><br>Capacity (rated capacity): 1,600 kg, Pit (cross section) size: 2,700 x 2,500 mm (width x depth), Carriage cross-sectional size: 2,100 x 1,600 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.245 - 3.56 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.710.1501 | 2 Stops 1.00 m/s speed | 368.800,00 | 30.770,00 |
| 35.710.1502 | 3 Stops 1.00 m/s speed | 382.300,00 | 32.340,00 |
| 35.710.1503 | 4 Stops 1.00 m/s speed | 399.300,00 | 36.020,00 |
| 35.710.1504 | 5 Stops 1.00 m/s speed | 414.300,00 | 39.600,00 |
| 35.710.1505 | 6 Stops 1.00 m/s speed | 430.500,00 | 43.290,00 |
| 35.710.1506 | 7 Stops 1.00 m/s speed | 445.800,00 | 46.910,00 |
| 35.710.1507 | 8 Stops 1.00 m/s speed | 461.100,00 | 50.560,00 |
| 35.710.1508 | 9 Stops 1.00 m/s speed | 481.000,00 | 54.170,00 |
| 35.710.1509 | 10 Stops 1.00 m/s speed | 502.700,00 | 57.830,00 |
| 35.710.1510 | 11 Stops 1.60 m/s speed | 534.200,00 | 61.440,00 |
| 35.710.1511 | 12 Stops 1.60 m/s speed | 550.200,00 | 65.060,00 |
| 35.710.1512 | 13 Stops 1.60 m/s speed | 569.200,00 | 68.710,00 |
| 35.710.1513 | 14 Stops 1.60 m/s speed | 590.900,00 | 72.330,00 |
| 35.710.1514 | 15 Stops 1.60 m/s speed | 615.900,00 | 75.990,00 |
| **35.710.1550** | **Class III lifts (The lifts designed principally to carry patients and stretchers in healthcare facilities, and to carry non-patient passengers when necessary.) Variable-speed, Capacity: 1,600 kg, Unit: Qty.**<br>Capacity (rated capacity): 1,600 kg, Pit (cross section) size: 2,400 x 3,000 mm (width x depth), Carriage cross-sectional size: 1,400 x 2,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.245 - 3.56 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.710.1551 | 2 Stops 1.00 m/s speed | 381.200,00 | 32.260,00 |
| 35.710.1552 | 3 Stops 1.00 m/s speed | 396.200,00 | 33.880,00 |
| 35.710.1553 | 4 Stops 1.00 m/s speed | 412.900,00 | 37.510,00 |
| 35.710.1554 | 5 Stops 1.00 m/s speed | 430.400,00 | 41.160,00 |
| 35.710.1555 | 6 Stops 1.00 m/s speed | 445.500,00 | 44.800,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.710.1556 | 7 Stops 1.00 m/s speed | 460.700,00 | 48.430,00 |
| 35.710.1557 | 8 Stops 1.00 m/s speed | 479.100,00 | 52.050,00 |
| 35.710.1558 | 9 Stops 1.00 m/s speed | 503.000,00 | 55.690,00 |
| 35.710.1559 | 10 Stops 1.00 m/s speed | 522.900,00 | 59.330,00 |
| 35.710.1560 | 11 Stops 1.60 m/s speed | 553.300,00 | 62.970,00 |
| 35.710.1561 | 12 Stops 1.60 m/s speed | 568.100,00 | 66.620,00 |
| 35.710.1562 | 13 Stops 1.60 m/s speed | 590.800,00 | 70.210,00 |
| 35.710.1563 | 14 Stops 1.60 m/s speed | 615.600,00 | 73.890,00 |
| 35.710.1564 | 15 Stops 1.60 m/s speed | 635.700,00 | 77.470,00 |
| **35.710.1600** | **Class III lifts (The lifts designed principally to carry patients and stretchers in healthcare facilities, and to carry non-patient passengers when necessary.)**<br>**Variable-speed, Capacity: 2,000 kg, Unit: Qty.**<br>Capacity (rated capacity): 2,000 kg, Pit (cross section) size: 2,400 x 3,300 mm (width x depth), Carriage cross-sectional size: 1,500 x 2,700 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.935 - 4.2 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.710.1601 | 2 Stops 1.00 m/s speed | 488.000,00 | 36.330,00 |
| 35.710.1602 | 3 Stops 1.00 m/s speed | 505.700,00 | 37.900,00 |
| 35.710.1603 | 4 Stops 1.00 m/s speed | 525.800,00 | 41.590,00 |
| 35.710.1604 | 5 Stops 1.00 m/s speed | 548.800,00 | 45.180,00 |
| 35.710.1605 | 6 Stops 1.00 m/s speed | 572.300,00 | 48.860,00 |
| 35.710.1606 | 7 Stops 1.00 m/s speed | 602.700,00 | 52.460,00 |
| 35.710.1607 | 8 Stops 1.00 m/s speed | 626.300,00 | 56.110,00 |
| 35.710.1608 | 9 Stops 1.00 m/s speed | 656.900,00 | 59.720,00 |
| 35.710.1609 | 10 Stops 1.00 m/s speed | 665.900,00 | 63.360,00 |
| 35.710.1610 | 11 Stops 1.60 m/s speed | 728.300,00 | 67.000,00 |
| 35.710.1611 | 12 Stops 1.60 m/s speed | 755.000,00 | 70.610,00 |
| 35.710.1612 | 13 Stops 1.60 m/s speed | 764.600,00 | 74.270,00 |
| 35.710.1613 | 14 Stops 1.60 m/s speed | 791.500,00 | 77.920,00 |
| 35.710.1614 | 15 Stops 1.60 m/s speed | 821.400,00 | 81.550,00 |
| **35.710.1650** | **Class III lifts (The lifts designed principally to carry patients and stretchers in healthcare facilities, and to carry non-patient passengers when necessary.)**<br>**Variable-speed, Capacity: 2,500 kg, Unit: Qty.**<br>Capacity (rated capacity): 2,500 kg, Pit (cross section) size: 2,700 x 3,300 mm (width x depth), Carriage cross-sectional size: 1,800 x 2,700 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 4.625 - 5.00 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.710.1651 | 2 Stops 1.00 m/s speed | 566.500,00 | 40.940,00 |
| 35.710.1652 | 3 Stops 1.00 m/s speed | 582.200,00 | 42.550,00 |
| 35.710.1653 | 4 Stops 1.00 m/s speed | 592.600,00 | 46.220,00 |
| 35.710.1654 | 5 Stops 1.00 m/s speed | 618.500,00 | 49.860,00 |
| 35.710.1655 | 6 Stops 1.00 m/s speed | 641.800,00 | 53.500,00 |
| 35.710.1656 | 7 Stops 1.00 m/s speed | 675.400,00 | 57.110,00 |
| 35.710.1657 | 8 Stops 1.00 m/s speed | 701.900,00 | 60.740,00 |
| 35.710.1658 | 9 Stops 1.00 m/s speed | 732.300,00 | 64.370,00 |
| 35.710.1659 | 10 Stops 1.00 m/s speed | 760.700,00 | 68.000,00 |
| 35.710.1660 | 11 Stops 1.60 m/s speed | 809.000,00 | 71.650,00 |
| 35.710.1661 | 12 Stops 1.60 m/s speed | 835.700,00 | 75.300,00 |
| 35.710.1662 | 13 Stops 1.60 m/s speed | 870.800,00 | 78.930,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.710.1663 | 14 Stops 1.60 m/s speed | 900.000,00 | 82.570,00 |
| 35.710.1664 | 15 Stops 1.60 m/s speed | 934.100,00 | 86.150,00 |
| **35.710.1700** | **Class IV lift (The lifts designed principally to carry objects under the supervision of an accompanying person).**<br>**Variable-speed, Capacity: 630 kg, Unit: Qty.**<br>Capacity (rated capacity): 630 kg, Pit (cross section) size: 2,100 x 1,900 mm (width x depth), Carriage cross-sectional size: 1,100 x 1,400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 1.45 - 1.66 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: 2,100 mm. | | |
| 35.710.1701 | 2 Stops 1.00 m/s speed | 262.300,00 | 20.870,00 |
| 35.710.1702 | 3 Stops 1.00 m/s speed | 274.800,00 | 22.500,00 |
| 35.710.1703 | 4 Stops 1.00 m/s speed | 288.700,00 | 26.110,00 |
| 35.710.1704 | 5 Stops 1.00 m/s speed | 302.400,00 | 29.740,00 |
| 35.710.1705 | 6 Stops 1.00 m/s speed | 317.500,00 | 33.410,00 |
| 35.710.1706 | 7 Stops 1.00 m/s speed | 332.400,00 | 37.010,00 |
| 35.710.1707 | 8 Stops 1.00 m/s speed | 348.400,00 | 42.650,00 |
| 35.710.1708 | 9 Stops 1.00 m/s speed | 364.700,00 | 46.330,00 |
| 35.710.1709 | 10 Stops 1.00 m/s speed | 380.600,00 | 49.930,00 |
| 35.710.1710 | 11 Stops 1.00 m/s speed | 397.100,00 | 53.590,00 |
| 35.710.1711 | 12 Stops 1.00 m/s speed | 413.700,00 | 57.190,00 |
| 35.710.1712 | 13 Stops 1.00 m/s speed | 431.500,00 | 60.890,00 |
| 35.710.1713 | 14 Stops 1.00 m/s speed | 452.300,00 | 64.460,00 |
| 35.710.1714 | 15 Stops 1.00 m/s speed | 480.300,00 | 68.140,00 |
| **35.710.1750** | **Class IV lift (The lifts designed principally to carry objects under the supervision of an accompanying person).**<br>**Variable-speed, Capacity: 1000 kg, Unit: Qty.**<br>Capacity (rated capacity): 1,000 kg, Pit (cross section) size: 2,400 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,300 x 1,750 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm. | | |
| 35.710.1751 | 2 Stops 1.00 m/s speed | 302.900,00 | 24.870,00 |
| 35.710.1752 | 3 Stops 1.00 m/s speed | 316.700,00 | 26.540,00 |
| 35.710.1753 | 4 Stops 1.00 m/s speed | 329.500,00 | 30.170,00 |
| 35.710.1754 | 5 Stops 1.00 m/s speed | 344.500,00 | 33.780,00 |
| 35.710.1755 | 6 Stops 1.00 m/s speed | 359.000,00 | 37.430,00 |
| 35.710.1756 | 7 Stops 1.00 m/s speed | 372.300,00 | 41.050,00 |
| 35.710.1757 | 8 Stops 1.00 m/s speed | 389.100,00 | 46.730,00 |
| 35.710.1758 | 9 Stops 1.00 m/s speed | 408.900,00 | 50.330,00 |
| 35.710.1759 | 10 Stops 1.00 m/s speed | 429.100,00 | 54.000,00 |
| 35.710.1760 | 11 Stops 1.00 m/s speed | 445.700,00 | 57.610,00 |
| 35.710.1761 | 12 Stops 1.00 m/s speed | 462.400,00 | 61.270,00 |
| 35.710.1762 | 13 Stops 1.00 m/s speed | 478.000,00 | 64.880,00 |
| 35.710.1763 | 14 Stops 1.00 m/s speed | 499.200,00 | 68.510,00 |
| 35.710.1764 | 15 Stops 1.00 m/s speed | 530.400,00 | 72.160,00 |
| **35.710.1800** | **Class IV lift (The lifts designed principally to carry objects under the supervision of an accompanying person).**<br>**Variable-speed, Capacity: 1600 kg, Unit: Qty.**<br>Capacity (rated capacity): 1,600 kg, Pit (cross section) size: 2,500 x 2,850 mm (width x depth), Carriage cross-sectional size: 1,400 x 2,400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 1,400 mm, Entrance height: 2,100 mm. | | |
| 35.710.1801 | 2 Stops 1.00 m/s speed | 371.000,00 | 30.770,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.710.1802 | 3 Stops 1.00 m/s speed | 386.900,00 | 32.340,00 |
| 35.710.1803 | 4 Stops 1.00 m/s speed | 401.800,00 | 36.020,00 |
| 35.710.1804 | 5 Stops 1.00 m/s speed | 415.500,00 | 39.600,00 |
| 35.710.1805 | 6 Stops 1.00 m/s speed | 431.000,00 | 43.290,00 |
| 35.710.1806 | 7 Stops 1.00 m/s speed | 445.800,00 | 46.910,00 |
| 35.710.1807 | 8 Stops 1.00 m/s speed | 460.300,00 | 50.560,00 |
| 35.710.1808 | 9 Stops 1.00 m/s speed | 477.900,00 | 54.170,00 |
| 35.710.1809 | 10 Stops 1.00 m/s speed | 498.900,00 | 57.830,00 |
| 35.710.1810 | 11 Stops 1.00 m/s speed | 517.500,00 | 61.440,00 |
| 35.710.1811 | 12 Stops 1.00 m/s speed | 533.500,00 | 65.060,00 |
| 35.710.1812 | 13 Stops 1.00 m/s speed | 551.100,00 | 68.710,00 |
| 35.710.1813 | 14 Stops 1.00 m/s speed | 572.000,00 | 72.330,00 |
| 35.710.1814 | 15 Stops 1.00 m/s speed | 595.400,00 | 75.990,00 |
| **35.710.1850** | **Class IV lift (The lifts designed principally to carry objects under the supervision of an accompanying person).**<br>**Variable-speed, Capacity: 2,000 kg, Unit: Qty.**<br>Capacity (rated capacity): 2,000 kg, Pit (cross section) size: 2,700 x 3,150 mm (width x depth), Carriage cross-sectional size: 1,500 x 2,700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 3.935 - 4.2 m² as per TS EN 81-20. Entrance width: 1,400 mm, Entrance height: 2,100 mm. | | |
| 35.710.1851 | 2 Stops 1.00 m/s speed | 472.300,00 | 36.330,00 |
| 35.710.1852 | 3 Stops 1.00 m/s speed | 490.200,00 | 37.900,00 |
| 35.710.1853 | 4 Stops 1.00 m/s speed | 509.300,00 | 41.590,00 |
| 35.710.1854 | 5 Stops 1.00 m/s speed | 532.100,00 | 45.180,00 |
| 35.710.1855 | 6 Stops 1.00 m/s speed | 555.800,00 | 48.860,00 |
| 35.710.1856 | 7 Stops 1.00 m/s speed | 585.900,00 | 52.460,00 |
| 35.710.1857 | 8 Stops 1.00 m/s speed | 611.200,00 | 56.110,00 |
| 35.710.1858 | 9 Stops 1.00 m/s speed | 643.000,00 | 59.720,00 |
| 35.710.1859 | 10 Stops 1.00 m/s speed | 669.800,00 | 63.360,00 |
| 35.710.1860 | 11 Stops 1.00 m/s speed | 698.400,00 | 67.000,00 |
| 35.710.1861 | 12 Stops 1.00 m/s speed | 723.600,00 | 70.610,00 |
| 35.710.1862 | 13 Stops 1.00 m/s speed | 754.100,00 | 74.270,00 |
| 35.710.1863 | 14 Stops 1.00 m/s speed | 782.000,00 | 77.920,00 |
| 35.710.1864 | 15 Stops 1.00 m/s speed | 813.200,00 | 81.550,00 |
| **35.715.1000** | **HYDRAULIC LIFTS (As per TS EN 81-20 and TS EN 81-50)**<br>Compliance with the standards TS EN 81-20 and TS EN 81-50 for General and Safety Rules, TS EN 12016 for electromagnetic compatibility, and TS ISO 8100-30 and TS ISO 8238 4190-2 for placement and dimensions shall be sought. Operation of passenger, patient and freight elevators in any environment by means of hydraulic pistons (The distance between the engine room and hydraulic piston should not exceed 10 meters provided that it is in an enclosed area), delivery in working order of hydraulic elevator installation with hydraulic pistons, pumps, oil tanks, hoses, soft starters, leveling drive groups, heaters, coolers, all fasteners, door leaves made of 1.25-mm-thick DKP sheet metal; fully automatic floor doors (with two telescopic leaves, opening from the center to the sides) zinc phosphatized by spraying method in surface cleaning baths, then painted in a color requested by the administration by electrostatic method and oven-dried, and certified for compliance with CE standards; door mechanisms with the same specifications and with drive engines, which shall be installed on the carriage and driven with a mechanism (chain, belt, lever, etc.) to operate in synchronization with the floor doors; locking mechanisms, pulleys, roller guides, rails, belts, chains, levers and electronic cards CE certified; fully automatic carriage door (two-leaf, telescopic, opening from the center to the sides); emergency uninterruptible power supply with Ni-Cd or dry battery which shall move the carriage to the nearest floor and open the doors in case of power outage; light curtain equal to the inner height of the door, which contains multiple beams (min. 94 beams) to protect the occupants or loads entering the carriage (full-height photocell); cumulative control feature, including material and labor (except the group controller equipment).<br>NOTE: | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 1) The hydraulic pump group shall be CE-certified, in compliance with the ISO 9001-9002 quality assurance system, and made by a manufacturer acceptable to the administration.<br>2) The elevator installation shall be manufactured in compliance with the Directive 2014/33/EU for Lifts and Safety Components for Lifts, other relevant legal provisions, and bear a CE compliance marking.<br>3) The fully automatic floor doors shall fulfill the specifications provided in the standard TS EN 81-58 and fire-resistant as per the Fire Safety Directive. The fire-resistant doors shall be certified by an accredited organization that it can resist a fire for at least 60 minutes.<br>4) The carriage interior, and fully automatic carriage and floor doors shall be paneled with (0.80 mm thick) satinized stainless steel sheet. | | |
| **35.715.1100** | **Hydraulic passenger lift, Lifting capacity: 630 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2000 x 2100 mm (width x depth), Carriage cross-sectional size: 1100 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 1.45 - 1.66 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area. | | |
| 35.715.1101 | 2 Stops | 175.600,00 | 14.210,00 |
| 35.715.1102 | 3 Stops | 202.400,00 | 18.240,00 |
| 35.715.1103 | 4 Stops | 232.200,00 | 22.300,00 |
| 35.715.1104 | 5 Stops | 251.300,00 | 26.310,00 |
| 35.715.1105 | 6 Stops | 281.900,00 | 30.380,00 |
| 35.715.1106 | 7 Stops | 308.400,00 | 34.390,00 |
| **35.715.1150** | **Hydraulic freight lift, Lifting capacity: 630 kg, Carriage speed: 0.40 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,100 x 1,900 mm (width x depth), Carriage cross-sectional size: 1,100 x 1,400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 1.45 - 1.66 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: 2,100 mm. | | |
| 35.715.1151 | 2 Stops | 180.600,00 | 14.210,00 |
| 35.715.1152 | 3 Stops | 207.400,00 | 18.240,00 |
| 35.715.1153 | 4 Stops | 238.300,00 | 22.300,00 |
| 35.715.1154 | 5 Stops | 256.100,00 | 26.310,00 |
| 35.715.1155 | 6 Stops | 287.200,00 | 30.380,00 |
| 35.715.1156 | 7 Stops | 313.000,00 | 34.390,00 |
| **35.715.1200** | **Hydraulic passenger lift, Lifting capacity: 800 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,000 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,350 x 1,400 mm or 1,200 x 1,500 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 1.87 - 2.00 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area. | | |
| 35.715.1201 | 2 Stops | 203.700,00 | 15.240,00 |
| 35.715.1202 | 3 Stops | 231.800,00 | 19.260,00 |
| 35.715.1203 | 4 Stops | 260.000,00 | 23.270,00 |
| 35.715.1204 | 5 Stops | 275.700,00 | 27.340,00 |
| 35.715.1205 | 6 Stops | 302.400,00 | 31.370,00 |
| 35.715.1206 | 7 Stops | 324.200,00 | 35.410,00 |
| **35.715.1250** | **Hydraulic passenger lift, Lifting capacity: 1000 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,200 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,600 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.715.1251 | 2 Stops | 241.300,00 | 16.230,00 |
| 35.715.1252 | 3 Stops | 265.400,00 | 20.230,00 |
| 35.715.1253 | 4 Stops | 294.000,00 | 24.320,00 |
| 35.715.1254 | 5 Stops | 318.700,00 | 28.310,00 |
| 35.715.1255 | 6 Stops | 352.900,00 | 32.340,00 |
| 35.715.1256 | 7 Stops | 385.600,00 | 36.400,00 |
| **35.715.1300** | **Hydraulic freight lift, Lifting capacity: 1000 kg, Carriage speed: 0.40 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,400 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,300 x 1,750 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm. | | |
| 35.715.1301 | 2 Stops | 227.400,00 | 16.230,00 |
| 35.715.1302 | 3 Stops | 264.000,00 | 20.230,00 |
| 35.715.1303 | 4 Stops | 286.900,00 | 24.320,00 |
| 35.715.1304 | 5 Stops | 321.600,00 | 28.310,00 |
| 35.715.1305 | 6 Stops | 349.700,00 | 32.340,00 |
| 35.715.1306 | 7 Stops | 372.800,00 | 36.400,00 |
| **35.715.1350** | **Hydraulic freight lift, Lifting capacity: 1000 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,400 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,300 x 1,750 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm. | | |
| 35.715.1351 | 2 Stops | 228.500,00 | 16.230,00 |
| 35.715.1352 | 3 Stops | 265.000,00 | 20.230,00 |
| 35.715.1353 | 4 Stops | 287.900,00 | 24.320,00 |
| 35.715.1354 | 5 Stops | 322.800,00 | 28.310,00 |
| 35.715.1355 | 6 Stops | 357.900,00 | 32.340,00 |
| 35.715.1356 | 7 Stops | 385.300,00 | 36.400,00 |
| **35.715.1400** | **Hydraulic passenger lift, Lifting capacity: 1275 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,500 x 2,200 mm (width x depth), Carriage cross-sectional size: 2,000 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 2.71 - 2.95 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: 2,100 mm. Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.715.1401 | 2 Stops | 267.400,00 | 18.240,00 |
| 35.715.1402 | 3 Stops | 290.500,00 | 22.300,00 |
| 35.715.1403 | 4 Stops | 325.600,00 | 26.310,00 |
| 35.715.1404 | 5 Stops | 353.200,00 | 30.380,00 |
| 35.715.1405 | 6 Stops | 376.100,00 | 34.390,00 |
| 35.715.1406 | 7 Stops | 409.400,00 | 38.450,00 |
| **35.715.1450** | **Hydraulic passenger lift, Lifting capacity: 1600 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,700 x 2,500 mm (width x depth), Carriage cross-sectional size: 2,100 x 1,600 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.245 - 3.56 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: 2,100 mm. Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.715.1451 | 2 Stops | 333.800,00 | 22.300,00 |
| 35.715.1452 | 3 Stops | 366.900,00 | 26.310,00 |
| 35.715.1453 | 4 Stops | 399.700,00 | 30.380,00 |
| 35.715.1454 | 5 Stops | 433.300,00 | 34.390,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.715.1455 | 6 Stops | 443.000,00 | 38.450,00 |
| 35.715.1456 | 7 Stops | 475.100,00 | 42.460,00 |
| **35.715.1500** | **Hydraulic patient lift, Lifting capacity: 1600 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,400 x 3,000 mm (width x depth), Carriage cross-sectional size: 1,400 x 2,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.245 - 3.56 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.715.1501 | 2 Stops | 325.200,00 | 22.300,00 |
| 35.715.1502 | 3 Stops | 358.500,00 | 26.310,00 |
| 35.715.1503 | 4 Stops | 391.300,00 | 30.380,00 |
| 35.715.1504 | 5 Stops | 424.400,00 | 34.390,00 |
| 35.715.1505 | 6 Stops | 434.500,00 | 38.450,00 |
| 35.715.1506 | 7 Stops | 466.600,00 | 42.460,00 |
| **35.715.2000** | **Hydraulic freight lift, Lifting capacity: 1600 kg, Carriage speed: 0.40 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,500 x 2,850 mm (width x depth), Carriage cross-sectional size: 1,400 x 2,400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 1,400 mm, Entrance height: 2,100 mm. | | |
| 35.715.2001 | 2 Stops | 330.500,00 | 22.300,00 |
| 35.715.2002 | 3 Stops | 363.600,00 | 26.310,00 |
| 35.715.2003 | 4 Stops | 396.600,00 | 30.380,00 |
| 35.715.2004 | 5 Stops | 429.800,00 | 34.390,00 |
| 35.715.2005 | 6 Stops | 440.100,00 | 38.450,00 |
| 35.715.2006 | 7 Stops | 496.600,00 | 42.460,00 |
| **35.715.2100** | **Hydraulic freight lift, Lifting capacity: 1600 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,500 x 2,850 mm (width x depth), Carriage cross-sectional size: 1,400 x 2,400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entry width: 1,400 mm, Entry height: 2100 mm. | | |
| 35.715.2101 | 2 Stops | 332.800,00 | 22.300,00 |
| 35.715.2102 | 3 Stops | 366.200,00 | 26.310,00 |
| 35.715.2103 | 4 Stops | 399.100,00 | 30.380,00 |
| 35.715.2104 | 5 Stops | 432.000,00 | 34.390,00 |
| 35.715.2105 | 6 Stops | 442.100,00 | 38.450,00 |
| 35.715.2106 | 7 Stops | 473.700,00 | 42.460,00 |
| **35.715.2150** | **Hydraulic patient lift, Lifting capacity: 2000 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,400 x 3,300 mm (width x depth), Carriage cross-sectional size: 1,500 x 2,700 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.935 - 4.2 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.715.2151 | 2 Stops | 416.700,00 | 26.310,00 |
| 35.715.2152 | 3 Stops | 451.400,00 | 30.380,00 |
| 35.715.2153 | 4 Stops | 486.300,00 | 34.390,00 |
| 35.715.2154 | 5 Stops | 524.800,00 | 42.460,00 |
| 35.715.2155 | 6 Stops | 548.900,00 | 46.520,00 |
| 35.715.2156 | 7 Stops | 565.800,00 | 50.560,00 |
| **35.715.2200** | **Hydraulic freight lift, Lifting capacity: 2000 kg, Carriage speed: 0.40 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,700 x 3,150 mm (width x depth), Carriage cross-sectional size: 1,500 x 2700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 3.935 - 4.2 m² as per TS EN 81-20. Entrance width: 1,400 mm, Entrance height: 2,100 mm. | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.715.2201 | 2 Stops | 425.000,00 | 26.310,00 |
| 35.715.2202 | 3 Stops | 459.400,00 | 30.380,00 |
| 35.715.2203 | 4 Stops | 484.900,00 | 34.390,00 |
| 35.715.2204 | 5 Stops | 523.100,00 | 42.460,00 |
| 35.715.2205 | 6 Stops | 557.000,00 | 46.520,00 |
| 35.715.2206 | 7 Stops | 591.300,00 | 50.560,00 |
| **35.715.2250** | **Hydraulic freight lift, Lifting capacity: 2000 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,700 x 3,150 mm (width x depth), Carriage cross-sectional size: 1,500 x 2,700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 3.935 - 4.2 m² as per TS EN 81-20. Entrance width: 1,400 mm, Entrance height: 2,100 mm. | | |
| 35.715.2251 | 2 Stops | 427.400,00 | 26.310,00 |
| 35.715.2252 | 3 Stops | 462.400,00 | 30.380,00 |
| 35.715.2253 | 4 Stops | 496.900,00 | 34.390,00 |
| 35.715.2254 | 5 Stops | 525.500,00 | 42.460,00 |
| 35.715.2255 | 6 Stops | 559.800,00 | 46.520,00 |
| 35.715.2256 | 7 Stops | 593.800,00 | 50.560,00 |
| **35.715.2300** | **Hydraulic patient lift, Lifting capacity: 2500 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 2,700 x 3,300 mm (width x depth), Carriage cross-sectional size: 1,800 x 2,700 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 4.625 - 5.00 m² as per TS EN 81-20. Entrance width: 1,300 mm, Entrance height: 2,100 mm.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.715.2301 | 2 Stops | 475.100,00 | 30.380,00 |
| 35.715.2302 | 3 Stops | 509.600,00 | 34.390,00 |
| 35.715.2303 | 4 Stops | 534.100,00 | 38.450,00 |
| 35.715.2304 | 5 Stops | 572.100,00 | 46.520,00 |
| 35.715.2305 | 6 Stops | 606.300,00 | 50.560,00 |
| 35.715.2306 | 7 Stops | 641.000,00 | 54.610,00 |
| **35.715.2350** | **Hydraulic freight lift, Lifting capacity: 2500 kg, Carriage speed: 0.40 m/s, Unit: Qty.**<br>Pit (cross section) size: 3,000 x 3,150 mm (width x depth), Carriage cross-sectional size: 1,800 x 2,700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 4.625 - 5.00 m² as per TS EN 81-20. Entrance width: 1,800 mm, Entrance height: 2,500 mm. | | |
| 35.715.2351 | 2 Stops | 481.300,00 | 30.380,00 |
| 35.715.2352 | 3 Stops | 507.300,00 | 34.390,00 |
| 35.715.2353 | 4 Stops | 542.200,00 | 38.450,00 |
| 35.715.2354 | 5 Stops | 569.600,00 | 46.520,00 |
| 35.715.2355 | 6 Stops | 603.200,00 | 50.560,00 |
| 35.715.2356 | 7 Stops | 638.100,00 | 54.610,00 |
| **35.715.2400** | **Hydraulic freight lift, Lifting capacity: 2500 kg, Carriage speed: 0.60 m/s, Unit: Qty.**<br>Pit (cross section) size: 3,000 x 3,150 mm (width x depth), Carriage cross-sectional size: 1,800 x 2,700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the carriage shall be 4.625 - 5.00 m² as per TS EN 81-20. Entrance width: 1,800 mm, Entrance height: 2,500 mm. | | |
| 35.715.2401 | 2 Stops | 484.200,00 | 30.380,00 |
| 35.715.2402 | 3 Stops | 509.600,00 | 34.390,00 |
| 35.715.2403 | 4 Stops | 544.700,00 | 38.450,00 |
| 35.715.2404 | 5 Stops | 572.100,00 | 46.520,00 |
| 35.715.2405 | 6 Stops | 606.100,00 | 50.520,00 |
| 35.715.2406 | 7 Stops | 640.400,00 | 54.610,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.720.1000** | **LIFT INSTALLATION WITHOUT MACHINE ROOM (in compliance with TS EN 81-20 and TS EN 81-50)**<br>Compliance with the standards TS EN 81-20 and TS EN 81-50 for General and Safety Rules, TS EN 12016 for electromagnetic compatibility, and TS ISO 8100-30 and TS ISO 8238 4190-2 for placement and dimensions shall be sought. Delivery in working order of the elevator installation without engine room and with door leaves made of 1.25-mm-thick DKP sheet metal; fully automatic floor doors (with two telescopic leaves, opening from the center to the sides) zinc phosphatized by spraying method in surface cleaning baths, then painted in a color requested by the administration by electrostatic method and oven-dried, and certified for compliance with CE standards; door mechanisms with the same specifications and with drive engines, which shall be installed on the carriage and driven with a mechanism (chain, belt, lever, etc.) to operate in synchronization with the floor doors; locking mechanisms, pulleys, roller guides, rails, belts, chains, levers and electronic cards CE certified; fully automatic carriage door (two-leaf, telescopic, opening from the center to the sides); emergency uninterruptible power supply with Ni-Cd or dry battery which shall move the carriage to the nearest floor and open the doors in case of power outage; light curtain equal to the inner height of the door, which contains multiple beams (at least 94 beams) to protect the occupants or loads entering the carriage (full-height photocell); frequency inverter that adjusts the speed of the motor to prevent the impacts while the elevator starts to move or stops and to adjust the position of the carriage precisely; a tacho generator or encoder that constantly measures the motor speed; a filter that eliminates the disturbances in the system; variable voltage/variable frequency (vvvf) drive system that is made up of a regulated feedback and resistance unit; cumulative control feature, including material and labor (except the group controller equipment).<br>NOTE:<br>The elevator installation shall be manufactured in compliance with the Directive 2014/33/EU for Lifts and Safety Components for Lifts and other relevant legal provisions, and bear a CE compliance marking.<br>The fully automatic floor doors shall fulfill the specifications provided in the standard TS EN 81-58 and fire-resistant as per the Fire Safety Directive. The fire-resistant doors shall be certified to resist fire for at least 60 minutes by an accredited organization.<br>The carriage interior, and fully automatic carriage and floor doors shall be paneled with (0.80 mm thick) satin stainless steel sheet. | | |
| **35.720.1100** | **Class I lifts (The lifts designed for carrying passengers).**<br>**Without engine room, Variable-speed, Capacity: 630 kg, Unit: Qty.**<br>Capacity (rated capacity): 630 kg, Pit (cross section) size: 2,000 x 2,100 mm (width x depth), Carriage cross-sectional size: 1,100 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 1.45 - 1.66 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area. | | |
| 35.720.1101 | 2 Stops 1.00 m/s speed | 296.400,00 | 24.870,00 |
| 35.720.1102 | 3 Stops 1.00 m/s speed | 308.100,00 | 26.540,00 |
| 35.720.1103 | 4 Stops 1.00 m/s speed | 323.700,00 | 30.170,00 |
| 35.720.1104 | 5 Stops 1.00 m/s speed | 339.400,00 | 33.780,00 |
| 35.720.1105 | 6 Stops 1.00 m/s speed | 361.200,00 | 37.430,00 |
| 35.720.1106 | 7 Stops 1.00 m/s speed | 378.900,00 | 41.050,00 |
| 35.720.1107 | 8 Stops 1.00 m/s speed | 396.200,00 | 44.710,00 |
| 35.720.1108 | 9 Stops 1.00 m/s speed | 414.900,00 | 48.360,00 |
| 35.720.1109 | 10 Stops 1.00 m/s speed | 433.800,00 | 51.970,00 |
| 35.720.1110 | 11 Stops 1.60 m/s speed | 461.600,00 | 57.110,00 |
| 35.720.1111 | 12 Stops 1.60 m/s speed | 481.200,00 | 60.740,00 |
| 35.720.1112 | 13 Stops 1.60 m/s speed | 501.000,00 | 64.370,00 |
| 35.720.1113 | 14 Stops 1.60 m/s speed | 524.700,00 | 68.000,00 |
| 35.720.1114 | 15 Stops 1.60 m/s speed | 555.100,00 | 71.650,00 |
| **35.720.1200** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary).**<br>**Without engine room, Variable-speed, Rated capacity: 800 kg, Unit: Qty.** | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Capacity (rated capacity): 800 kg, Pit (cross section) size: 2,000 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,350 x 1,400 mm (width x depth) or 1,200 x 1,500 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 1.87 - 2.00 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area. | | |
| 35.720.1201 | 2 Stops 1.00 m/s speed | 308.900,00 | 27.110,00 |
| 35.720.1202 | 3 Stops 1.00 m/s speed | 334.800,00 | 28.740,00 |
| 35.720.1203 | 4 Stops 1.00 m/s speed | 350.800,00 | 32.340,00 |
| 35.720.1204 | 5 Stops 1.00 m/s speed | 367.800,00 | 36.020,00 |
| 35.720.1205 | 6 Stops 1.00 m/s speed | 386.300,00 | 39.600,00 |
| 35.720.1206 | 7 Stops 1.00 m/s speed | 406.200,00 | 43.290,00 |
| 35.720.1207 | 8 Stops 1.00 m/s speed | 408.900,00 | 46.910,00 |
| 35.720.1208 | 9 Stops 1.00 m/s speed | 443.800,00 | 50.560,00 |
| 35.720.1209 | 10 Stops 1.00 m/s speed | 463.700,00 | 54.170,00 |
| 35.720.1210 | 11 Stops 1.60 m/s speed | 473.600,00 | 58.990,00 |
| 35.720.1211 | 12 Stops 1.60 m/s speed | 491.500,00 | 62.690,00 |
| 35.720.1212 | 13 Stops 1.60 m/s speed | 515.000,00 | 66.280,00 |
| 35.720.1213 | 14 Stops 1.60 m/s speed | 543.600,00 | 69.950,00 |
| 35.720.1214 | 15 Stops 1.60 m/s speed | 584.000,00 | 73.550,00 |
| **35.720.1300** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Capacity: 1000 kg, Unit: Qty.**<br><br>Capacity (rated capacity): 1000 kg, Pit (cross section) size: 2,200 x 2,200 mm (width x depth), Carriage cross-sectional size: 1,600 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 2.15 - 2.40 m² as per TS EN 81-20. Entrance width: 900 mm, Entrance height: at least 2,000 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.720.1301 | 2 Stops 1.00 m/s speed | 340.400,00 | 29.970,00 |
| 35.720.1302 | 3 Stops 1.00 m/s speed | 354.100,00 | 31.580,00 |
| 35.720.1303 | 4 Stops 1.00 m/s speed | 371.100,00 | 35.210,00 |
| 35.720.1304 | 5 Stops 1.00 m/s speed | 388.800,00 | 38.820,00 |
| 35.720.1305 | 6 Stops 1.00 m/s speed | 406.100,00 | 42.460,00 |
| 35.720.1306 | 7 Stops 1.00 m/s speed | 425.300,00 | 46.090,00 |
| 35.720.1307 | 8 Stops 1.00 m/s speed | 445.100,00 | 49.730,00 |
| 35.720.1308 | 9 Stops 1.00 m/s speed | 468.500,00 | 54.000,00 |
| 35.720.1309 | 10 Stops 1.00 m/s speed | 496.000,00 | 58.830,00 |
| 35.720.1310 | 11 Stops 1.60 m/s speed | 517.100,00 | 62.480,00 |
| 35.720.1311 | 12 Stops 1.60 m/s speed | 541.800,00 | 66.070,00 |
| 35.720.1312 | 13 Stops 1.60 m/s speed | 572.400,00 | 69.740,00 |
| 35.720.1313 | 14 Stops 1.60 m/s speed | 590.300,00 | 73.370,00 |
| 35.720.1314 | 15 Stops 1.60 m/s speed | 609.400,00 | 77.000,00 |
| **35.720.1400** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Rated capacity: 1250 kg, Unit: Qty.**<br>Capacity (rated capacity): 1,250 kg, Pit (cross section) size: 2,500 x 2,200 mm (width x depth), Carriage cross-sectional size: 2,000 x 1,400 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 2.71 - 2.95 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: at least 2,100 mm as per TS EN 81-20. | | |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.720.1401 | 2 Stops 1.00 m/s speed | 355.700,00 | 30.720,00 |
| 35.720.1402 | 3 Stops 1.00 m/s speed | 372.900,00 | 32.370,00 |
| 35.720.1403 | 4 Stops 1.00 m/s speed | 389.600,00 | 36.080,00 |
| 35.720.1404 | 5 Stops 1.00 m/s speed | 406.400,00 | 39.790,00 |
| 35.720.1405 | 6 Stops 1.00 m/s speed | 423.400,00 | 43.530,00 |
| 35.720.1406 | 7 Stops 1.00 m/s speed | 440.100,00 | 47.250,00 |
| 35.720.1407 | 8 Stops 1.00 m/s speed | 456.800,00 | 50.970,00 |
| 35.720.1408 | 9 Stops 1.00 m/s speed | 473.500,00 | 55.350,00 |
| 35.720.1409 | 10 Stops 1.00 m/s speed | 497.700,00 | 60.300,00 |
| 35.720.1410 | 11 Stops 1.60 m/s speed | 521.700,00 | 64.030,00 |
| 35.720.1411 | 12 Stops 1.60 m/s speed | 546.000,00 | 67.750,00 |
| 35.720.1412 | 13 Stops 1.60 m/s speed | 570.200,00 | 71.470,00 |
| 35.720.1413 | 14 Stops 1.60 m/s speed | 594.500,00 | 75.190,00 |
| 35.720.1414 | 15 Stops 1.60 m/s speed | 618.600,00 | 78.930,00 |
| **35.720.1500** | **Class I lifts (The lifts designed for carrying passengers). Class II lifts (The lifts designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Rated capacity: 1600 kg, Unit: Qty.**<br>Capacity (rated capacity): 1,600 kg, Pit (cross section) size: 2,700 x 2,500 mm (width x depth), Carriage cross-sectional size: 2,100 x 1,600 mm (width x depth), Where the dimensions specified in TS ISO 8100-30 cannot be fulfilled, the area of the carriage shall be 3.245 - 3.56 m² as per TS EN 81-20. Entrance width: 1,100 mm, Entrance height: at least 2,100 mm as per TS EN 81-20.<br>Note: The carriage interior shall be modified for use by the handicapped. | | |
| 35.720.1501 | 2 Stops 1.00 m/s speed | 384.300,00 | 31.480,00 |
| 35.720.1502 | 3 Stops 1.00 m/s speed | 402.600,00 | 33.180,00 |
| 35.720.1503 | 4 Stops 1.00 m/s speed | 421.200,00 | 36.980,00 |
| 35.720.1504 | 5 Stops 1.00 m/s speed | 439.400,00 | 40.780,00 |
| 35.720.1505 | 6 Stops 1.00 m/s speed | 457.600,00 | 44.620,00 |
| 35.720.1506 | 7 Stops 1.00 m/s speed | 475.500,00 | 48.420,00 |
| 35.720.1507 | 8 Stops 1.00 m/s speed | 493.600,00 | 52.250,00 |
| 35.720.1508 | 9 Stops 1.00 m/s speed | 511.900,00 | 56.710,00 |
| 35.720.1509 | 10 Stops 1.00 m/s speed | 537.000,00 | 61.780,00 |
| 35.720.1510 | 11 Stops 1.60 m/s speed | 563.700,00 | 65.640,00 |
| 35.720.1511 | 12 Stops 1.60 m/s speed | 590.200,00 | 69.440,00 |
| 35.720.1512 | 13 Stops 1.60 m/s speed | 616.400,00 | 73.280,00 |
| 35.720.1513 | 14 Stops 1.60 m/s speed | 642.700,00 | 77.080,00 |
| 35.720.1514 | 15 Stops 1.60 m/s speed | 668.200,00 | 80.910,00 |
| **35.725.1100** | **Class V lift (Lifts sized too small for passengers to enter, and designed to lift small objects). Single-speed. (Unit: Qty.)**<br>In compliance with TS EN 81-3+A1 for General and Safety rules and TS EN 12016 for electromagnetic compatibility. Load capacity (Rated load): 100 kg. Pit (cross section) size: 1,100 x 1,000 mm (width x depth) Carriage cross-sectional size: 800 x 800 x 800 mm (width x depth x height) Carriage speed: 0.25 - 0.40 m/s. Paneling of floor doors and carriage interior with satin-finish stainless steel sheet, and delivery in working order, including floor doors, any material and labor. Note: To be in compliance with the Machinery Directive 2006/42/EC, and CE-certified. | | |
| 35.725.1101 | 2 Stops | 54.350,00 | 5.620,00 |
| 35.725.1102 | 3 Stops | 57.080,00 | 6.480,00 |
| 35.725.1103 | 4 Stops | 60.380,00 | 7.030,00 |
| 35.725.1104 | 5 Stops | 63.650,00 | 7.740,00 |
| 35.725.1105 | 6 Stops | 66.960,00 | 8.410,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.725.1106 | 7 Stops | 69.630,00 | 8.860,00 |
| 35.725.1107 | 8 Stops | 72.810,00 | 9.610,00 |
| 35.725.1108 | 9 Stops | 76.940,00 | 10.150,00 |
| 35.725.1109 | 10 Stops | 82.400,00 | 10.950,00 |
| 35.725.1110 | 11 Stops | 86.800,00 | 11.110,00 |
| 35.725.1111 | 12 Stops | 92.700,00 | 11.880,00 |
| 35.725.1112 | 13 Stops | 99.480,00 | 12.610,00 |
| 35.725.1113 | 14 Stops | 105.400,00 | 13.340,00 |
| 35.725.1114 | 15 Stops | 111.900,00 | 14.030,00 |
| **35.725.1200** | **Class V Lift (Lifts sized too small for passengers to enter, and designed to lift small objects).**<br>Two-speed. (Unit: Qty) In compliance with TS EN 81-3+A1 for General and Safety rules and with TS EN 12016 for electromagnetic compatibility, Capacity (rated load): 250 kg, Pit (cross section) size: 1,500 x 1,200 mm (width x depth) Carriage cross-sectional size: 1,000 x 1,000 x 1,200 mm (width x depth x height), Carriage speed: 0.25 - 0.40 / 0.10 m/s. Paneling of the floor doors and carriage interior with satinized stainless steel sheet, and delivery in working order, including floor doors and any material and labor. Note: To be in compliance with the Machinery Directive 2006/42/EC, and CE-certified. | | |
| 35.725.1201 | 2 Stops | 93.510,00 | 11.110,00 |
| 35.725.1202 | 3 Stops | 97.660,00 | 11.880,00 |
| 35.725.1203 | 4 Stops | 102.200,00 | 12.610,00 |
| 35.725.1204 | 5 Stops | 105.600,00 | 14.030,00 |
| 35.725.1205 | 6 Stops | 110.600,00 | 15.380,00 |
| 35.725.1206 | 7 Stops | 115.600,00 | 16.300,00 |
| 35.725.1207 | 8 Stops | 125.100,00 | 17.520,00 |
| 35.725.1208 | 9 Stops | 126.700,00 | 18.030,00 |
| 35.725.1209 | 10 Stops | 132.400,00 | 18.840,00 |
| 35.725.1210 | 11 Stops | 140.700,00 | 20.230,00 |
| 35.725.1211 | 12 Stops | 147.200,00 | 21.530,00 |
| 35.725.1212 | 13 Stops | 152.600,00 | 22.730,00 |
| 35.725.1213 | 14 Stops | 159.100,00 | 23.990,00 |
| 35.725.1214 | 15 Stops | 165.300,00 | 24.970,00 |
| **35.725.2000** | **Control equipment group (Collective system), Unit: Qty.**<br>Installation and delivery, including any small material and labor, of a system installed side by side with a selective mechanism, which shall call the carriage that is the closest and the most available load capacity among multiple elevators to the floor from which it is called. Unit: Unit price for one collective mechanism for the first two elevators. 70 percent of the unit price of the collective mechanism shall be added to each elevator with collective mechanism to be added to this system. | | |
| 35.725.2001 | 4 Stops | 8.960,00 | 2.270,00 |
| 35.725.2002 | 5 Stops | 9.390,00 | 2.420,00 |
| 35.725.2003 | 6 Stops | 9.970,00 | 2.520,00 |
| 35.725.2004 | 7 Stops | 10.630,00 | 2.820,00 |
| 35.725.2005 | 8 Stops | 11.000,00 | 2.980,00 |
| 35.725.2006 | 9 Stops | 11.630,00 | 3.280,00 |
| 35.725.2007 | 10 Stops | 11.980,00 | 3.540,00 |
| 35.725.2008 | 11 Stops | 12.570,00 | 3.860,00 |
| 35.725.2009 | 12 Stops | 12.910,00 | 4.110,00 |
| 35.725.2010 | 13 Stops | 13.490,00 | 4.240,00 |
| 35.725.2011 | 14 Stops | 13.900,00 | 4.540,00 |
| 35.725.2012 | 15 Stops | 14.420,00 | 4.860,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.725.2100 | **PRICE DIFFERENCE FOR DUAL-ENTRANCE CARRIAGES, Unit: Qty. Materials on construction site: 80%**<br>The price difference for dual-entrance carriages instead of single-entrance for passenger, patient and freight elevators. | 4.640,00 | 1.200,00 |
| **35.725.2200** | **ADDITIONAL FULLY-AUTOMATIC CARRIAGE DOORS**<br>The price difference to be paid for each additional door if additional fully automatic carriage doors are installed. | | |
| 35.725.2201 | For passenger lifts | 15.740,00 | 1.430,00 |
| 35.725.2202 | For patient and freight lifts | 19.680,00 | 1.990,00 |
| **35.725.2250** | **ADDITIONAL FULLY-AUTOMATIC FLOOR DOORS**<br>The price difference to be paid for each additional door if additional fully automatic floor doors are installed. | | |
| 35.725.2251 | For passenger lifts | 11.830,00 | 3.620,00 |
| 35.725.2252 | For patient and freight lifts | 15.410,00 | 4.670,00 |
| **35.725.2300** | **ADDITIONAL LANDING DOORS, Unit: Qty., Materials on construction site: 80%**<br>The price difference to be paid for each additional door if additional landing doors are installed. | | |
| 35.725.2302 | For service lifts | 638,00 | 253,00 |
| **35.725.2400** | **PRICE DIFFERENCE FOR FLOOR HEIGHT, Unit: m.**<br>The price difference to be paid for each meter where the height between the bottom and top stops of the carriage is more than 3 meters for each floor. | | |
| 35.725.2410 | For variable-speed passenger lifts | 640,00 | 214,00 |
| 35.725.2420 | For patient and freight lifts | 772,00 | 303,00 |
| 35.725.2430 | For service lifts | 276,00 | 150,00 |
| **35.730.1000** | **ESCALATORS (Unit: Qty.) (Materials on construction site: 80%)** | | |
| **35.730.1100** | **Escalators with 35-degree escalating angle (For interior environments):**<br>Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass, a control system made up of electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, and a bottom part of the carrier structure coated with primer and paneled with 2-mm DKP sheet metal, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price. For side surfaces, the items with no. 35.730.1750 and 35.730.1760 shall be used. | | |
| **35.730.1101** | **Step width: 600 mm, with 4500 passengers/hour capacity.** | | |
| 35.730.1102 | H: 3000 mm | 616.200,00 | 55.430,00 |
| 35.730.1103 | H: 3250 mm | 632.900,00 | 56.950,00 |
| 35.730.1104 | H: 3500 mm | 643.600,00 | 57.950,00 |
| 35.730.1105 | H: 3750 mm | 660.400,00 | 59.450,00 |
| 35.730.1106 | H: 4000 mm | 672.200,00 | 60.440,00 |
| 35.730.1107 | H: 4250 mm | 688.700,00 | 62.010,00 |
| 35.730.1108 | H: 4500 mm | 699.700,00 | 62.970,00 |
| 35.730.1109 | H: 4750 mm | 722.400,00 | 65.030,00 |
| 35.730.1110 | H: 5000 mm | 733.500,00 | 66.030,00 |
| 35.730.1111 | H: 5250 mm | 750.200,00 | 67.520,00 |
| 35.730.1112 | H: 5500 mm | 762.600,00 | 68.510,00 |
| 35.730.1113 | H: 5750 mm | 778.800,00 | 70.020,00 |
| 35.730.1114 | H: 6000 mm | 794.400,00 | 71.400,00 |
| 35.730.1115 | H: 6500 mm | 822.000,00 | 73.230,00 |
| 35.730.1116 | H: 7000 mm | 849.500,00 | 75.030,00 |
| 35.730.1117 | H: 7500 mm | 876.800,00 | 76.850,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.730.1118 | H: 8000 mm | 904.300,00 | 78.680,00 |
| 35.730.1119 | H: 8500 mm | 931.800,00 | 80.480,00 |
| 35.730.1120 | H: 9000 mm | 959.400,00 | 82.310,00 |
| 35.730.1121 | H: 9500 mm | 986.900,00 | 84.120,00 |
| 35.730.1122 | H: 10000 mm | 1.014.500,00 | 85.940,00 |
| **35.730.1150** | **Step width: 800 mm, with 6750 passengers/hour capacity.** | | |
| 35.730.1151 | H: 3000 mm | 616.800,00 | 55.520,00 |
| 35.730.1152 | H: 3250 mm | 636.200,00 | 57.260,00 |
| 35.730.1153 | H: 3500 mm | 648.300,00 | 58.360,00 |
| 35.730.1154 | H: 3750 mm | 664.700,00 | 59.840,00 |
| 35.730.1155 | H: 4000 mm | 719.200,00 | 60.890,00 |
| 35.730.1156 | H: 4250 mm | 736.700,00 | 62.370,00 |
| 35.730.1157 | H: 4500 mm | 748.600,00 | 63.360,00 |
| 35.730.1158 | H: 4750 mm | 773.400,00 | 65.370,00 |
| 35.730.1159 | H: 5000 mm | 785.500,00 | 66.380,00 |
| 35.730.1160 | H: 5250 mm | 789.000,00 | 67.900,00 |
| 35.730.1161 | H: 5500 mm | 801.800,00 | 68.900,00 |
| 35.730.1162 | H: 5750 mm | 818.000,00 | 70.450,00 |
| 35.730.1163 | H: 6000 mm | 830.600,00 | 71.400,00 |
| 35.730.1164 | H: 6500 mm | 858.200,00 | 73.230,00 |
| 35.730.1165 | H: 7000 mm | 885.400,00 | 75.030,00 |
| 35.730.1166 | H: 7500 mm | 913.100,00 | 76.850,00 |
| 35.730.1167 | H: 8000 mm | 940.500,00 | 78.680,00 |
| 35.730.1168 | H: 8500 mm | 968.100,00 | 80.480,00 |
| 35.730.1169 | H: 9000 mm | 995.500,00 | 82.310,00 |
| 35.730.1170 | H: 9500 mm | 1.023.200,00 | 84.120,00 |
| 35.730.1171 | H: 10000 mm | 1.050.800,00 | 85.940,00 |
| **35.730.1200** | **Step width: 1000 mm, with 9000 passengers/hour capacity.** | | |
| 35.730.1201 | H: 3000 mm | 655.600,00 | 56.450,00 |
| 35.730.1202 | H: 3250 mm | 672.900,00 | 57.950,00 |
| 35.730.1203 | H: 3500 mm | 685.100,00 | 58.930,00 |
| 35.730.1204 | H: 3750 mm | 702.200,00 | 60.440,00 |
| 35.730.1205 | H: 4000 mm | 732.800,00 | 61.440,00 |
| 35.730.1206 | H: 4250 mm | 751.100,00 | 62.970,00 |
| 35.730.1207 | H: 4500 mm | 762.700,00 | 64.010,00 |
| 35.730.1208 | H: 4750 mm | 787.400,00 | 66.030,00 |
| 35.730.1209 | H: 5000 mm | 798.300,00 | 67.050,00 |
| 35.730.1210 | H: 5250 mm | 818.200,00 | 68.510,00 |
| 35.730.1211 | H: 5500 mm | 829.100,00 | 69.570,00 |
| 35.730.1212 | H: 5750 mm | 840.200,00 | 71.050,00 |
| 35.730.1213 | H: 6000 mm | 851.200,00 | 72.060,00 |
| 35.730.1214 | H: 6500 mm | 878.600,00 | 73.890,00 |
| 35.730.1215 | H: 7000 mm | 906.200,00 | 75.700,00 |
| 35.730.1216 | H: 7500 mm | 933.800,00 | 77.530,00 |
| 35.730.1217 | H: 8000 mm | 961.300,00 | 79.350,00 |
| 35.730.1218 | H: 8500 mm | 988.800,00 | 81.160,00 |
| 35.730.1219 | H: 9000 mm | 1.016.500,00 | 82.980,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.730.1220 | H: 9500 mm | 1.043.900,00 | 84.790,00 |
| 35.730.1221 | H: 10000 mm | 1.071.600,00 | 86.610,00 |
| **35.730.1300** | **Escalators with 30-degree escalating angle (For interior environments):**<br>Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass, a control system made up of electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, and a bottom part of the carrier structure coated with primer and paneled with 2-mm DKP sheet metal, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price. For side surfaces, the items with no. 35.730.1750 and 35.730.1760 shall be used. | | |
| **35.730.1310** | **Step width: 600 mm, with 4500 passengers/hour capacity.** | | |
| 35.730.1311 | H: 3000 mm | 636.200,00 | 57.260,00 |
| 35.730.1312 | H: 3250 mm | 653.300,00 | 58.830,00 |
| 35.730.1313 | H: 3500 mm | 664.700,00 | 59.840,00 |
| 35.730.1314 | H: 3750 mm | 681.600,00 | 61.350,00 |
| 35.730.1315 | H: 4000 mm | 743.100,00 | 62.370,00 |
| 35.730.1316 | H: 4250 mm | 761.800,00 | 63.860,00 |
| 35.730.1317 | H: 4500 mm | 768.300,00 | 64.550,00 |
| 35.730.1318 | H: 4750 mm | 772.700,00 | 64.880,00 |
| 35.730.1319 | H: 5000 mm | 797.000,00 | 66.910,00 |
| 35.730.1320 | H: 5250 mm | 827.000,00 | 69.450,00 |
| 35.730.1321 | H: 5500 mm | 839.300,00 | 70.450,00 |
| 35.730.1322 | H: 5750 mm | 854.600,00 | 71.710,00 |
| 35.730.1323 | H: 6000 mm | 869.900,00 | 72.930,00 |
| 35.730.1324 | H: 6500 mm | 897.200,00 | 74.740,00 |
| 35.730.1325 | H: 7000 mm | 924.800,00 | 76.570,00 |
| 35.730.1326 | H: 7500 mm | 952.200,00 | 78.380,00 |
| 35.730.1327 | H: 8000 mm | 979.900,00 | 80.210,00 |
| 35.730.1328 | H: 8500 mm | 1.007.300,00 | 82.010,00 |
| 35.730.1329 | H: 9000 mm | 1.034.900,00 | 83.840,00 |
| 35.730.1330 | H: 9500 mm | 1.062.500,00 | 85.650,00 |
| 35.730.1331 | H: 10000 mm | 1.090.000,00 | 87.460,00 |
| **35.730.1350** | **Step width: 800 mm, with 6750 passengers/hour capacity.** | | |
| 35.730.1351 | H: 3000 mm | 674.000,00 | 57.100,00 |
| 35.730.1352 | H: 3250 mm | 692.200,00 | 58.590,00 |
| 35.730.1353 | H: 3500 mm | 704.200,00 | 59.600,00 |
| 35.730.1354 | H: 3750 mm | 709.200,00 | 61.120,00 |
| 35.730.1355 | H: 4000 mm | 752.000,00 | 62.130,00 |
| 35.730.1356 | H: 4250 mm | 771.100,00 | 63.620,00 |
| 35.730.1357 | H: 4500 mm | 783.100,00 | 64.590,00 |
| 35.730.1358 | H: 4750 mm | 794.600,00 | 66.650,00 |
| 35.730.1359 | H: 5000 mm | 805.400,00 | 67.650,00 |
| 35.730.1360 | H: 5250 mm | 839.400,00 | 69.150,00 |
| 35.730.1361 | H: 5500 mm | 850.900,00 | 70.120,00 |
| 35.730.1362 | H: 5750 mm | 868.900,00 | 71.680,00 |
| 35.730.1363 | H: 6000 mm | 881.700,00 | 72.660,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.730.1364 | H: 6500 mm | 909.100,00 | 74.490,00 |
| 35.730.1365 | H: 7000 mm | 936.700,00 | 76.320,00 |
| 35.730.1366 | H: 7500 mm | 964.300,00 | 78.120,00 |
| 35.730.1367 | H: 8000 mm | 991.500,00 | 79.950,00 |
| 35.730.1368 | H: 8500 mm | 1.019.000,00 | 81.760,00 |
| 35.730.1369 | H: 9000 mm | 1.046.600,00 | 83.580,00 |
| 35.730.1370 | H: 9500 mm | 1.074.300,00 | 85.390,00 |
| 35.730.1371 | H: 10000 mm | 1.101.600,00 | 87.210,00 |
| **35.730.1400** | **Step width: 1000 mm, with 9000 passengers/hour capacity.** | | |
| 35.730.1401 | H: 3000 mm | 687.900,00 | 57.630,00 |
| 35.730.1402 | H: 3250 mm | 705.100,00 | 59.210,00 |
| 35.730.1403 | H: 3500 mm | 717.800,00 | 60.180,00 |
| 35.730.1404 | H: 3750 mm | 735.300,00 | 61.710,00 |
| 35.730.1405 | H: 4000 mm | 779.700,00 | 62.760,00 |
| 35.730.1406 | H: 4250 mm | 799.400,00 | 64.230,00 |
| 35.730.1407 | H: 4500 mm | 811.100,00 | 65.280,00 |
| 35.730.1408 | H: 4750 mm | 815.100,00 | 67.260,00 |
| 35.730.1409 | H: 5000 mm | 828.800,00 | 68.300,00 |
| 35.730.1410 | H: 5250 mm | 846.800,00 | 69.760,00 |
| 35.730.1411 | H: 5500 mm | 858.400,00 | 70.980,00 |
| 35.730.1412 | H: 5750 mm | 882.700,00 | 72.800,00 |
| 35.730.1413 | H: 6000 mm | 912.300,00 | 73.330,00 |
| 35.730.1414 | H: 6500 mm | 939.500,00 | 75.150,00 |
| 35.730.1415 | H: 7000 mm | 967.200,00 | 76.960,00 |
| 35.730.1416 | H: 7500 mm | 994.800,00 | 78.780,00 |
| 35.730.1417 | H: 8000 mm | 1.022.300,00 | 80.590,00 |
| 35.730.1418 | H: 8500 mm | 1.049.800,00 | 82.410,00 |
| 35.730.1419 | H: 9000 mm | 1.077.400,00 | 84.240,00 |
| 35.730.1420 | H: 9500 mm | 1.104.900,00 | 86.050,00 |
| 35.730.1421 | H: 10000 mm | 1.132.500,00 | 87.880,00 |
| **35.730.1450** | **Escalators with 35-degree escalating angle (For exterior environments):**<br>Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass or satin stainless steel sheet, electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, a carrier structure coated with primer and paneled with 2-mm DKP sheet metal, with sides paneled with satin sheet metal, internal mechanism protected against corrosion (with galvanized drive system, step chain, guide rails), engine and control panel with protection factors, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price. If the inner panels of railings is built satin stainless steel sheet instead of tempered glass, Item No. 35.730.1760 shall be added for price difference. | | |
| **35.730.1460** | **Step width: 600 mm, with 4500 passengers/hour capacity.** | | |
| 35.730.1461 | H: 3000 mm | 902.600,00 | 92.520,00 |
| 35.730.1462 | H: 3250 mm | 915.000,00 | 99.550,00 |
| 35.730.1463 | H: 3500 mm | 930.800,00 | 101.400,00 |
| 35.730.1464 | H: 3750 mm | 954.400,00 | 104.100,00 |
| 35.730.1465 | H: 4000 mm | 1.014.400,00 | 105.800,00 |
| 35.730.1466 | H: 4250 mm | 1.039.400,00 | 108.400,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.730.1467 | H: 4500 mm | 1.056.500,00 | 110.200,00 |
| 35.730.1468 | H: 4750 mm | 1.078.300,00 | 114.400,00 |
| 35.730.1469 | H: 5000 mm | 1.095.000,00 | 116.200,00 |
| 35.730.1470 | H: 5250 mm | 1.103.000,00 | 118.300,00 |
| 35.730.1471 | H: 5500 mm | 1.120.200,00 | 120.000,00 |
| 35.730.1472 | H: 5750 mm | 1.135.300,00 | 122.600,00 |
| 35.730.1473 | H: 6000 mm | 1.140.700,00 | 124.400,00 |
| 35.730.1474 | H: 6500 mm | 1.167.900,00 | 126.200,00 |
| 35.730.1475 | H: 7000 mm | 1.195.500,00 | 128.000,00 |
| 35.730.1476 | H: 7500 mm | 1.223.200,00 | 129.800,00 |
| 35.730.1477 | H: 8000 mm | 1.250.600,00 | 131.600,00 |
| 35.730.1478 | H: 8500 mm | 1.278.200,00 | 133.400,00 |
| 35.730.1479 | H: 9000 mm | 1.305.800,00 | 135.300,00 |
| 35.730.1480 | H: 9500 mm | 1.333.300,00 | 137.100,00 |
| 35.730.1481 | H:10000 mm | 1.360.800,00 | 138.900,00 |
| **35.730.1500** | **Step width: 800 mm, with 6750 passengers/hour capacity.** | | |
| 35.730.1501 | H: 3000 mm | 952.700,00 | 97.570,00 |
| 35.730.1502 | H: 3250 mm | 969.900,00 | 100.300,00 |
| 35.730.1503 | H: 3500 mm | 978.600,00 | 102.000,00 |
| 35.730.1504 | H: 3750 mm | 996.400,00 | 104.700,00 |
| 35.730.1505 | H: 4000 mm | 1.056.600,00 | 106.500,00 |
| 35.730.1506 | H: 4250 mm | 1.064.300,00 | 109.200,00 |
| 35.730.1507 | H: 4500 mm | 1.081.200,00 | 110.900,00 |
| 35.730.1508 | H: 4750 mm | 1.097.200,00 | 114.400,00 |
| 35.730.1509 | H: 5000 mm | 1.113.700,00 | 116.200,00 |
| 35.730.1510 | H: 5250 mm | 1.139.000,00 | 118.800,00 |
| 35.730.1511 | H: 5500 mm | 1.156.000,00 | 120.600,00 |
| 35.730.1512 | H: 5750 mm | 1.181.600,00 | 123.300,00 |
| 35.730.1513 | H: 6000 mm | 1.188.400,00 | 125.100,00 |
| 35.730.1514 | H: 6500 mm | 1.216.000,00 | 126.900,00 |
| 35.730.1515 | H: 7000 mm | 1.243.500,00 | 128.600,00 |
| 35.730.1516 | H: 7500 mm | 1.271.100,00 | 130.500,00 |
| 35.730.1517 | H: 8000 mm | 1.298.600,00 | 132.300,00 |
| 35.730.1518 | H: 8500 mm | 1.326.100,00 | 134.100,00 |
| 35.730.1519 | H:9000 mm | 1.353.400,00 | 136.000,00 |
| 35.730.1520 | H: 9500 mm | 1.381.000,00 | 137.700,00 |
| 35.730.1521 | H: 10000 mm | 1.408.600,00 | 139.500,00 |
| **35.730.1550** | **Step width: 1000 mm, with 9000 passengers/hour capacity.** | | |
| 35.730.1551 | H: 3000 mm | 980.300,00 | 98.760,00 |
| 35.730.1552 | H: 3250 mm | 1.006.700,00 | 101.400,00 |
| 35.730.1553 | H: 3500 mm | 1.023.500,00 | 103.200,00 |
| 35.730.1554 | H: 3750 mm | 1.032.300,00 | 105.800,00 |
| 35.730.1555 | H: 4000 mm | 1.076.900,00 | 107.500,00 |
| 35.730.1556 | H: 4250 mm | 1.093.300,00 | 110.200,00 |
| 35.730.1557 | H: 4500 mm | 1.110.500,00 | 112.000,00 |
| 35.730.1558 | H: 4750 mm | 1.146.800,00 | 115.500,00 |
| 35.730.1559 | H: 5000 mm | 1.152.400,00 | 116.200,00 |

35.710.-Lift Wiring

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.730.1560 | H: 5250 mm | 1.179.400,00 | 118.800,00 |
| 35.730.1561 | H: 5500 mm | 1.196.500,00 | 120.600,00 |
| 35.730.1562 | H: 5750 mm | 1.222.700,00 | 123.300,00 |
| 35.730.1563 | H: 6000 mm | 1.240.200,00 | 125.100,00 |
| 35.730.1564 | H: 6500mm | 1.267.800,00 | 126.900,00 |
| 35.730.1565 | H: 7000 mm | 1.295.300,00 | 128.600,00 |
| 35.730.1566 | H: 7500 mm | 1.322.900,00 | 130.500,00 |
| 35.730.1567 | H: 8000 mm | 1.350.600,00 | 132.300,00 |
| 35.730.1568 | H: 8500 mm | 1.377.900,00 | 134.100,00 |
| 35.730.1569 | H: 9000 mm | 1.405.500,00 | 136.000,00 |
| 35.730.1570 | H: 9500 mm | 1.433.200,00 | 137.700,00 |
| 35.730.1571 | H: 10000 mm | 1.460.600,00 | 139.500,00 |
| **35.730.1600** | **Escalators with 30-degree escalating angle (For exterior environments):**<br>Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass or satin stainless steel sheet, electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, bottom part of the carrier structure coated with primer and paneled with 2-mm DKP sheet metal, with sides paneled with stainless satin sheet metal, internal mechanism protected against corrosion (with galvanized drive system, step chain, guide rails), engine and control panel with protection factors, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price. If the inner panels of railings is built satin stainless steel sheet instead of tempered glass, Item No. 35.730.1760 shall be added for price difference. | | |
| **35.730.1610** | **Step width: 600 mm, with 4500 passengers/hour capacity.** | | |
| 35.730.1611 | H: 3000 mm | 978.200,00 | 100.300,00 |
| 35.730.1612 | H: 3250 mm | 1.002.800,00 | 102.900,00 |
| 35.730.1613 | H: 3500 mm | 1.012.900,00 | 104.700,00 |
| 35.730.1614 | H: 3750 mm | 1.029.000,00 | 107.400,00 |
| 35.730.1615 | H: 4000 mm | 1.064.300,00 | 109.200,00 |
| 35.730.1616 | H: 4250 mm | 1.089.500,00 | 111.700,00 |
| 35.730.1617 | H: 4500 mm | 1.106.400,00 | 113.500,00 |
| 35.730.1618 | H: 4750 mm | 1.140.800,00 | 117.100,00 |
| 35.730.1619 | H: 5000 mm | 1.148.700,00 | 118.800,00 |
| 35.730.1620 | H: 5250 mm | 1.164.700,00 | 121.500,00 |
| 35.730.1621 | H: 5500 mm | 1.201.700,00 | 123.300,00 |
| 35.730.1622 | H: 5750 mm | 1.223.000,00 | 125.400,00 |
| 35.730.1623 | H: 6000 mm | 1.244.500,00 | 127.700,00 |
| 35.730.1624 | H: 6500 mm | 1.272.100,00 | 129.500,00 |
| 35.730.1625 | H: 7000 mm | 1.299.800,00 | 131.300,00 |
| 35.730.1626 | H: 7500 mm | 1.327.300,00 | 133.100,00 |
| 35.730.1627 | H: 8000 mm | 1.354.500,00 | 134.900,00 |
| 35.730.1628 | H: 8500 mm | 1.382.100,00 | 136.800,00 |
| 35.730.1629 | H: 9000 mm | 1.409.700,00 | 138.600,00 |
| 35.730.1630 | H: 9500 mm | 1.437.100,00 | 140.300,00 |
| 35.730.1631 | H: 10000 mm | 1.464.700,00 | 142.200,00 |
| **35.730.1650** | **Step width: 800 mm, with 6750 passengers/hour capacity.** | | |
| 35.730.1651 | H: 3000 mm | 990.500,00 | 99.800,00 |
| 35.730.1652 | H: 3250 mm | 1.017.200,00 | 102.500,00 |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.730.1653 | H: 3500 mm | 1.034.200,00 | 104.200,00 |
| 35.730.1654 | H: 3750 mm | 1.042.800,00 | 106.900,00 |
| 35.730.1655 | H: 4000 mm | 1.086.000,00 | 108.700,00 |
| 35.730.1656 | H: 4250 mm | 1.112.500,00 | 111.300,00 |
| 35.730.1657 | H: 4500 mm | 1.130.000,00 | 113.100,00 |
| 35.730.1658 | H: 4750 mm | 1.146.100,00 | 116.700,00 |
| 35.730.1659 | H: 5000 mm | 1.163.800,00 | 118.400,00 |
| 35.730.1660 | H: 5250 mm | 1.179.300,00 | 121.000,00 |
| 35.730.1661 | H: 5500 mm | 1.207.500,00 | 122.900,00 |
| 35.730.1662 | H: 5750 mm | 1.237.100,00 | 125.900,00 |
| 35.730.1663 | H: 6000 mm | 1.249.900,00 | 127.200,00 |
| 35.730.1664 | H: 6500 mm | 1.277.600,00 | 129.000,00 |
| 35.730.1665 | H: 7000 mm | 1.305.200,00 | 130.800,00 |
| 35.730.1666 | H: 7500 mm | 1.332.500,00 | 132.600,00 |
| 35.730.1667 | H: 8000 mm | 1.360.200,00 | 134.500,00 |
| 35.730.1668 | H: 8500 mm | 1.387.500,00 | 136.300,00 |
| 35.730.1669 | H: 9000 mm | 1.414.800,00 | 138.200,00 |
| 35.730.1670 | H: 9500 mm | 1.442.500,00 | 139.900,00 |
| 35.730.1671 | H: 10000 mm | 1.470.100,00 | 141.700,00 |
| **35.730.1700** | **Step width: 1000 mm, with 9000 passengers/hour capacity.** | | |
| 35.730.1701 | H: 3000 mm | 1.027.300,00 | 101.000,00 |
| 35.730.1702 | H: 3250 mm | 1.053.800,00 | 103.600,00 |
| 35.730.1703 | H: 3500 mm | 1.063.600,00 | 105.300,00 |
| 35.730.1704 | H: 3750 mm | 1.080.300,00 | 108.000,00 |
| 35.730.1705 | H: 4000 mm | 1.115.900,00 | 109.800,00 |
| 35.730.1706 | H: 4250 mm | 1.144.200,00 | 112.400,00 |
| 35.730.1707 | H: 4500 mm | 1.162.200,00 | 114.200,00 |
| 35.730.1708 | H: 4750 mm | 1.187.800,00 | 117.800,00 |
| 35.730.1709 | H: 5000 mm | 1.205.100,00 | 119.500,00 |
| 35.730.1710 | H: 5250 mm | 1.210.300,00 | 122.200,00 |
| 35.730.1711 | H: 5500 mm | 1.261.200,00 | 126.500,00 |
| 35.730.1712 | H: 5750 mm | 1.264.900,00 | 126.500,00 |
| 35.730.1713 | H: 6000 mm | 1.294.300,00 | 128.400,00 |
| 35.730.1714 | H: 6500 mm | 1.321.700,00 | 130.100,00 |
| 35.730.1715 | H:7000 mm | 1.349.000,00 | 132.000,00 |
| 35.730.1716 | H: 7500 mm | 1.376.600,00 | 133.800,00 |
| 35.730.1717 | H: 8000 mm | 1.404.200,00 | 135.600,00 |
| 35.730.1718 | H: 8500 mm | 1.431.600,00 | 137.400,00 |
| 35.730.1719 | H: 9000 mm | 1.459.300,00 | 139.200,00 |
| 35.730.1720 | H: 9500 mm | 1.486.900,00 | 141.000,00 |
| 35.730.1721 | H: 10000 mm | 1.514.200,00 | 142.900,00 |
| 35.730.1750 | **Side surface paneling of escalators (Unit: m²) (Materials on construction site: 80%)**<br>Any additional material, including labor, for paneling of the side surfaces of escalators with 1.5-mm-thick DKP sheet metal coated with electrostatic paint. | 1.260,00 | 137,00 |
| 35.730.1760 | **Side surface paneling of escalators (Unit: m²) (Materials on construction site: 80%)**<br>Any additional material, including labor, for paneling of the side surfaces of escalators or railings with 0.80-mm-thick satin stainless steel sheet. | 3.080,00 | 276,00 |
| **35.730.1770** | **Difference for the third horizontal step:** | | |

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| | 10 percent price difference shall be added to the unit price item of Escalator. | | |
| **35.735.1000** | **PLATFORM LIFTS WITH WHEELCHAIR PLATFORM (Unit: Qty., Materials on construction site: 80%)** | | |
| **35.735.1100** | **Enclosed Vertical Lifting Platform (Unit: Qty., Materials on construction site: 80%)**<br>Installation and delivery in working order of an Enclosed Vertical Lifting Platform in compliance with TS EN 81-41 for production and installation safety rules, TS ISO 9386-1 for safety, dimensions and functional operation rules, 2006/42/EC Machinery Directive, released with the CE marking, sized min. 900 x 1,400 (width x depth) with 220 or 380 V operating voltage, 315 kg capacity (min. 1,100 x 1,400 mm and min. 385 kg capacity if the doors are positioned 90° to each other), with automatic doors sized 900 x 2000 mm (width x height), maximum 0.15 m/s speed, interior and exterior made of steel structure, equipped with a safety brake, overspeed regulator, safety nut, safety stopping device, with inverter system to prevent impacts during departure and stop, buttons with Braille alphabet, with non-slip flooring and protective panel and illumination, which shall operate with a worm gear system, announce the arrived floor with an audible notification, allow the platform to be moved to the floor manually or automatically, and connected to the authorized departments by an intercom or interphone system, and equipped with a control panel, control systems, drive units equipped with leakage current protection and in compliance with the Regulation on Internal Electrical Installations and the Regulation on Regulation on Earthing for Electrical Installations.<br>Note: The item includes two landing doors. | | |
| 35.735.1101 | max. travel distance: 1500 mm | 136.600,00 | 11.850,00 |
| 35.735.1102 | max. travel distance: 2000 mm | 145.500,00 | 12.510,00 |
| 35.735.1103 | max. travel distance: 2500 mm | 148.200,00 | 13.150,00 |
| 35.735.1104 | max. travel distance: 3000 mm | 161.700,00 | 13.790,00 |
| **35.735.1200** | **Enclosed Vertical Hydraulic Lifting Platform (Unit: Qty., Materials on construction site: 80%)**<br>Installation and delivery in working order, including any material and labor, of hydraulic, enclosed, vertical wheelchair platform with a hydraulic piston, pump, oil tank, tubes, soft starters, leveling drive group, heater and cooler, with a drive cylinder that is 70 mm in diameter, 4-mm sheet metal oil tank, 10-m distance between the oil tank and cylinder, the flow rate limiter valve (burst pipe valve) located at the oil inlet of the cylinder, with the same specifications as the item 35.735.1100 except for other specifications. | | |
| 35.735.1201 | max. travel distance: 1500 mm | 142.700,00 | 11.850,00 |
| 35.735.1202 | max. travel distance: 2000 mm | 151.500,00 | 12.510,00 |
| 35.735.1203 | max. travel distance: 2500 mm | 154.300,00 | 13.150,00 |
| 35.735.1204 | max. travel distance: 3000 mm | 167.700,00 | 13.790,00 |
| 35.735.1250 | **Straight Stair-type, Foldable Wheelchair Platform: (Unit: Qty. Materials on construction site: 80%)**<br>Installation and delivery in working order of a stair-type, foldable wheelchair platform with a cruising range of 5,000 mm in compliance with the standard TS EN 81–40 for production and installation safety rules, TS ISO 9386-2 for the size and functional operation rules, and the Machinery Directive 2006/42/EC, released with the CE marking, sized 800 x 1,000 mm, with 225 kg load capacity, 0.07 m/s speed, stainless steel platform, aluminum flooring, plastic side switch panels, with a key, remote control device, emergency stop button, overspeed regulator, and folding chair, which shall emit audible and visual warning while the platform is in motion. | 127.500,00 | 16.230,00 |
| 35.735.1270 | **Travel distance difference for straight Stair-type, Foldable Wheelchair Platform (Unit: m. Materials on construction site: 80%)**<br>Travel distance price difference (per 1 meter) | 5.910,00 | |
| 35.735.1280 | **Travel distance price difference for Enclosed Vertical Lifting Platform (Unit: m. Materials on construction site: 80%)**<br>Travel distance price difference (per 1 meter) | 8.620,00 | |
| 35.735.1290 | Additional landing doors for Enclosed Vertical Lifting Platform (Unit: Qty.) | 14.710,00 | 562,00 |

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# DIESEL ELECTROGEN GROUPS AND INSTALLATION UNIT PRICES AND DEFINITIONS

2022/3

35.740.-Diesel Electric Generator Groups and Installations

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.740.1000** | **DIESEL ELECTROGEN GROUP INSTALLATION: (Materials on construction site: 80%)**<br><br>Performing the feeder and control cables, cable and pipe ducts, supplying, installation and delivery at the work site in working condition of the 5 mm checkered plate duct covers, cable heads and attachment material, installation material, spare and other materials required on the technical specification and every kind of small materials that are manufactured in accordance with the Turkish standards as specified in the general provisions and descriptions section of the Unit Price book, Directive (2006/42/EC) Machinery, Directive (2000/14/EC) Noise Emission by Outdoor Equipment, 2014/35/EU Low Voltage Directive (LVD), bearing a CE compliance marking, at a power that can provide the required generator power at the sea level in 24/24 hour continuous operation and full load, at a cross-section that complies with the power between two or four timed diesel engine and specification, the first movement and cooling appliance, 400/231 volt 50 Hz alternator that is coupled with this and the equipment, automatic activation appliance, board with devices as specified on the technical specification, alternator and its board.<br>Note: 1-±10% modification is acceptable in the alternator power that is specified as kVA below. The price to be added or removed for each changed kVA will be found with the interpolation by using certain lower and upper values. The price of the powers in the residual location is determined by interpolation. 2- The prices for Electrogen group, Transfer board (surface-mounted sheet board), Dry-type protective contactor, auxiliary contactor, time delay relay, Knife-type fuse (on the transfer board) for the grid inlet and generator flow, signal lamp, cable that is specified on the project based on power and distance (underground cable junction box and underground cable duct) Horn alarm honk (for exciting any transaction that is done on the control unit) and cable changing based on power and distance, cable junction box will be individually paid for the relevant items.<br>Note: The automatic switching equipment included in the price of the diesel electrogen group will comply with the following definition.<br>Supply, installation and delivery in working condition of the automatic activation device (control unit) comprising of electronic circuits that will give light signals in the event of power outage, voltage dropping below or rising above a certain value, and when desired that will activate and deactivate the diesel electrogen group in specific circumstances promptly or after a certain amount of time, that will give audible and light excitation in the event of a failure or malfunction, that will not be affected by the parallel operation of two groups, that will be able to operate automatically and manually depending on the needs, that can be adjusted in a way to disable the diesel automatically by giving audible and light excitation in case of a drop in the oil pressure and excessive temperature rise or decrease in the cooling water or temperature rise in the cylinder head, that can make 2 or 5 start-ups, that can determine the operation or non-operation, that will have light signal and the mechanism to lock the system in case of malfunction, that will perform emergency shutdown when required, that will stop the system and give light signal in case of an interruption in any of the generator phases, and in case of rising and decreasing engine speed, that will disconnect the load with a light signal in the event of overloading, that will give light signal in the event of feedstock failure, that will not trigger the diesel unnecessarily, that will operate every type of generators.<br>NOTE: Other materials to be used will be paid separately from the relevant unit prices. | | |
| **35.740.1100** | **Diesel motor cooling with water or air, 1,500 rpm: (Unit: Qty.)** | | |
| 35.740.1101 | 10 kVA (Prime power) | 63.940,00 | 1.490,00 |
| 35.740.1102 | 20 kVA (Prime power) | 73.660,00 | 2.100,00 |
| 35.740.1103 | 30 kVA (Prime power) | 90.530,00 | 2.700,00 |
| 35.740.1104 | 36 kVA (Prime power) | 103.400,00 | 3.270,00 |
| 35.740.1105 | 50 kVA (Prime power) | 142.200,00 | 3.880,00 |
| 35.740.1106 | 63 kVA (Prime power) | 142.600,00 | 4.240,00 |
| 35.740.1107 | 75 kVA (Prime power) | 153.700,00 | 4.770,00 |
| 35.740.1108 | 100 kVA (Prime power) | 166.600,00 | 5.880,00 |
| 35.740.1109 | 150 kVA (Prime power) | 244.000,00 | 7.300,00 |
| 35.740.1110 | 200 kVA (Prime power) | 283.300,00 | 8.400,00 |
| 35.740.1111 | 235 kVA (Prime power) | 318.700,00 | 9.560,00 |
| 35.740.1112 | 250 kVA (Prime power) | 347.500,00 | 10.620,00 |
| 35.740.1113 | 300 kVA (Prime power) | 381.200,00 | 11.850,00 |
| 35.740.1114 | 350 kVA (Prime power) | 414.900,00 | 13.060,00 |
| 35.740.1115 | 375 kVA (Prime power) | 415.500,00 | 13.600,00 |

35.740.-Diesel Electric Generator Groups and Installations

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.740.1116 | 400 kVA (Prime power) | 433.200,00 | 14.320,00 |
| 35.740.1117 | 500 kVA (Prime power) | 545.000,00 | 15.520,00 |
| 35.740.1118 | 625 kVA (Prime power) | 735.500,00 | 16.500,00 |
| 35.740.1119 | 750 kVA (Prime power) | 1.107.600,00 | 17.780,00 |
| 35.740.1120 | 875 kVA (Prime power) | 1.312.200,00 | 19.040,00 |
| 35.740.1121 | 1000 kVA (Prime power) | 1.500.900,00 | 20.660,00 |
| 35.740.1122 | 1250 kVA (Prime power) | 2.316.400,00 | 25.420,00 |
| 35.740.1123 | 1500 kVA (Prime power) | 2.980.100,00 | 28.820,00 |
| 35.740.1124 | 1750 kVA (Prime power) | 3.491.400,00 | 34.680,00 |
| **35.740.5000** | **SYNCHRONIZATION ASSEMBLY: (Unit: Qty.: Materials on construction site: 80%)** | | |
| 35.740.5100 | **Hand-Operated (Manual):**<br>Delivery of every kind of small materials including labor in working condition provided to contain plug (button) or selector cam switch, locking lever or console that will ensure parallel connection of two or more groups and that will ensure the selection of the generator to switch on dual voltmeter, dual frequency meter, synchronoscope, zero voltmeter, necessary current and voltage measurement transformers. | 22.880,00 | 661,00 |
| 35.740.5200 | **Automatic:**<br>The automatic synchronization device, two Wattmeter (with Wattmetric relay), zero voltmeter and other specifications are same as with B.F.T. 952-100. | 29.540,00 | 1.060,00 |
| 35.740.5300 | **Synchronization assembly 1250 - 2000 kVA (Automatic)**<br>Note: Diesel, its original coupled alternator, dashboard, automatic switch-on assembly and synchronization assembly will be the original devices specified in the manufacturer company's package insert. | 32.290,00 | 1.200,00 |
| **35.740.5400** | **Sound insulation vessel: (Unit: Qty., Materials on construction site: 60%)**<br>The material will be 9-10 cm wall thickness, flat cowl outer part, and machined perforated sheet interior. The gap between these two sheets will be filled and compressed with foam and A class non-combustible glass wool fiber layer in accordance with TS EN 13501-1 + A1. Thanks to the special wall covered with perforated sheet, the sound will pass through these holes and be absorbed. These special walls will be inserted inside hood sections transversely two or three pieces at a time, and the sound will be absorbed during the air circulation. Doors will be placed in a way to carry out the maintenance of the machinery from all directions of the cabinet. Suitable gaskets will be installed to prevent the leakage of sound, when the doors are closed. Furthermore, the doors will be made of lockable type. After shutting the sound in the engine as the noise will only remain in the exhaust, exhausts with sound choke chambers will be used. The dimensions will grow based on the power of the generator, the cabinets will be scaled accordingly. Including every kind fasteners, delivery of every kind small materials including labors in working condition | | |
| 35.740.5401 | 10 KVA | 14.020,00 | 643,00 |
| 35.740.5402 | 20 KVA | 15.380,00 | 643,00 |
| 35.740.5403 | 30 KVA | 16.570,00 | 696,00 |
| 35.740.5404 | 36 KVA | 19.810,00 | 696,00 |
| 35.740.5405 | 50 KVA | 23.970,00 | 748,00 |
| 35.740.5406 | 63 KVA | 23.970,00 | 748,00 |
| 35.740.5407 | 75 KVA | 23.970,00 | 748,00 |
| 35.740.5408 | 100 kVA | 24.080,00 | 850,00 |
| 35.740.5409 | 150 kVA | 32.070,00 | 976,00 |
| 35.740.5410 | 200 kVA | 44.970,00 | 1.150,00 |
| 35.740.5411 | 250 kVA | 45.090,00 | 1.280,00 |
| 35.740.5412 | 300 kVA | 49.740,00 | 1.450,00 |
| 35.740.5413 | 400 kVA | 63.440,00 | 1.630,00 |
| 35.740.5414 | 500 kVA | 80.270,00 | 1.760,00 |
| 35.740.5415 | 625 kVA | 83.260,00 | 1.930,00 |
| 35.740.5416 | 750 kVA | 124.100,00 | 2.060,00 |
| 35.740.5417 | 875 kVA | 124.300,00 | 2.280,00 |

35.740.-Diesel Electric Generator Groups and Installations

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.740.5418 | 1000 kVA | 124.600,00 | 2.490,00 |
| 35.740.5419 | 1250 kVA | 159.200,00 | 2.620,00 |
| 35.740.5420 | 1500 kVA | 168.600,00 | 2.790,00 |
| 35.740.5421 | 1750 kVA | 172.300,00 | 2.930,00 |

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# LIGHTNING PROTECTION INSTALLATION UNIT PRICES AND DEFINITIONS

2022/3

35.750.-Lightning Protection System

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| **35.750.1000** | **LIGHTNING PROTECTION SYSTEM (Materials on construction site: 60%) (TS EN 62305-1/2/4, TS EN 62561-1, TS EN 62561-2)** | | |
| 35.750.1100 | **Metallic arrester tip (Unit: Qty.)**<br>Supply of a 800-mm-long (40-mm part threaded) arrester tip Ø20 mm in diameter made of solid copper with a tapered end, and a roof-top fastener, connection to the roof-top connectors using the bolted terminal blocks on the copper fastener, screwing the terminal block on the wooden roof-top wedge, and delivery in working order, including any small material and labor. Note: Arrester tip base included. | 890,00 | 52,50 |
| **35.750.1500** | **Active arrester tip (Unit: Qty.)**<br>Supply, transportation, installation on a post, connection of drop wires, and delivery in working order, including any small material and labor, of an active lightning arrester head made of non-corrosive materials or materials that bear such characteristics (e.g. chrome-plated copper, chromium-nickel, stainless steel, etc.), resistant to the highest wind speed, in compliance with the TS 13709/T1, (NFC17-102) and (UNE 21.186) standards, CE-certified, and guaranteed for operation for min. 15 years under the approval of the Ministry of Science, Industry and Technology, with an early stream excitation system, high corrosive resistance, min. IP 65 protection, and min. 15 µs ΔT excitation time, which can operate smoothly at -40°C to +120°C, resist a 100 kA lightning test current class H as per TS EN 50164-1 /TS EN 62561-1, as described in the relevant technical specifications.<br>NOTE:<br>1- Type tests of active lightning rod heads shall be conducted by a laboratory accredited by TURKAK or an international organization, and submitted to the Administration.<br>2- A document certifying that the IP 65 protection class test was conducted by an organization accredited by TURKAK or an International organization shall be submitted to the Administration. | | |
| 35.750.1501 | Mean excitation way DL = 15 to 25 m. | 5.630,00 | 387,00 |
| 35.750.1502 | Mean excitation way DL = 30 to 40 m. | 6.140,00 | 387,00 |
| 35.750.1503 | Mean excitation way DL = 40 to 50 m. | 6.360,00 | 387,00 |
| 35.750.1504 | Mean excitation way DL = 60 m. | 6.720,00 | 387,00 |
| 35.750.1600 | **Roof-top post (For active arrester tip) (Unit: Qty., Materials on construction site: 60%)**<br>Supply of a 6-meter post made of 80-mm galvanized pipe (1 size), including any accessory material related to the drop wire and securing of the post, and installation of the post without damaging the roof, including the fasteners along the post. If the length of the post exceeds 6 meters, the part exceeding 6 meters shall be charged per the relevant unit price. | 2.010,00 | 355,00 |
| 35.750.1650 | **Lightning counter (unit: Qty., materials on construction site: 60%)**<br>Lightning counter with indicator, without power supply, including connectors, which shall count maximum 100-kA lightning pulses flowing from the drop wire to the earth, hence make it easier to monitor how many times the system has been exposed to lightning discharges, be in compliance with the standards, and installed serially to the test terminal block or to the drop wire 2 m above the ground within the lightning protection systems. | 1.360,00 | 11,30 |
| 35.750.1700 | **Active lightning rod test device (unit: qty., materials on construction site: 60%)**<br>A portable device designed to test the operation of the active lightning rod, indicating whether it operates by the LEDs on the device. | 1.480,00 | 12,30 |
| **35.750.2000** | **Roof surrounding and drop wires (Unit: m, Materials on construction site: 60%)**<br>Installation of roof and conductor wiring as described in the specifications, using bare electrolytic solid copper conductors, taking measures against corrosion at points of connection to the arrester tip or earth electrode with pointed or threaded pronged wire clips made of bronze cast or similar materials, silver soldering the attachments of conductors where necessary, including test terminal, any small material and labor. | | |
| 35.750.2001 | 50-mm² electrolytic copper conductor | 133,00 | 18,50 |
| 35.750.2002 | 25-mm² electrolytic copper conductor | 74,00 | 17,00 |
| 35.750.2003 | Electrolytic copper strip sized 3 x 25 or 4 x 20 mm for drop wire. | 191,00 | 18,50 |
| **35.750.3000** | **Installation of surrounding wires around the building (Unit: m, Materials on construction site: 60%)**<br>Installing surrounding wires for the building using the conductors, making a 60 to 80-cm-deep canal around the building, laying the conductor and filling the canal back, connecting to the electrodes with rivets or by welding, including any small material and labor. | | |
| 35.750.3001 | 50-mm² solid copper | 138,00 | 23,50 |

35.750.-Lightning Protection System

| Item No | Job Type | UP+Instal. | Instal. Cost (TRY) |
|---|---|---|---|
| 35.750.3002 | 30 x 3.5-mm galvanized steel flat bars coated with min. 50µ zinc as described in the project design, | 45,40 | 17,00 |
| **35.750.4000** | **Earth electrode (Materials on construction site: 60%)** | | |
| 35.750.4001 | **Earth electrode (Plate) electrolytic copper (Unit: Qty.)**<br>Supply of 0.5-m² (0.70 x 0.70 m), 1.5-mm-thick copper sheets to the work site, preparation of pits in any type of soil, burial of the copper sheets, including any material and labor. | 1.780,00 | 101,00 |
| 35.750.4002 | **Earth electrode (bar) electrolytic copper (Unit: Qty.)**<br>Supply to the work site of a min 3.5-meter electrolytic copper bar in compliance with the TS 435/T1 standard, Ø20 mm in diameter, screw-mounting of a tapered head on one end to facilitate driving the bar into the ground, supply of the attachment with 4 cm threads if the bar is made up of two pieces, burying the bar min. 60 cm in the ground, connection to the drop conductors and surrounding conductors of the building by silver soldering or special bronze cast retaining clamps, including any small material and labor. Note: If the ground is rocky, appropriate soil shall be sought around that area. | 2.720,00 | 189,00 |
| 35.750.4003 | **Conductor protecting pipe (Unit: Qty.)**<br>Laying drop wires through 3-m, 20-mm galvanized iron pipe with the 0.5-m within the earth (the part of pipe exceeding 3 m shall be paid separately); Insulation of the conductor within the pipe with PVC or a similar insulator to prevent the part of the conductor within the pipe from contacting the pipe and attachment to the pipe at a point to prevent its operation as a transformer in case of lightning strike; test terminal made of non-corrosive material; supply, installation and delivery including any small material and labor of all materials. | 255,00 | 61,50 |
| 35.750.4500 | **Silver soldering (Copper brazed)**<br>Oxygen welding of 1 x 50 mm² copper conductor to F 20 mm earthing electrode with low-heat welding wire (copper welding wire) | 483,00 | 61,50 |
| **35.750.5000** | **Exothermic welding attachment (copper to copper), (copper to aluminum), (copper to iron) (Unit: Qty.)**<br>Attachment of conductors of any section to each other by exothermic reaction of copper oxide powder, including pots, pot pliers, scrapers, brushes, lighters, any material and labor. | | |
| 35.750.5001 | Up to 32 g welding powder | 307,00 | 110,00 |
| 35.750.5002 | Up to 65 g welding powder | 335,00 | 110,00 |
| 35.750.5003 | Up to 90 g welding powder | 369,00 | 110,00 |
| 35.750.5004 | Up to 115 g welding powder | 391,00 | 110,00 |
| 35.750.5005 | Up to 150 g welding powder | 426,00 | 110,00 |
| 35.750.5006 | Up to 200 g welding powder | 489,00 | 110,00 |
| 35.750.5007 | Up to 250 g welding powder | 518,00 | 110,00 |
| 35.750.5500 | **Chemical to reduce earthing resistance (Unit: kg)**<br>Supply, transportation to the work site, and application around the conductors, of the aluminum silicate and carbon-based chemical to be used to reduce the earthing resistance below the values given in the specifications if it is higher. | 164,00 | 12,30 |