

steeling

INFRASTRUCTURE PRODUCTS FROM TÜRKIYE

Drainage channels, gratings and access covers.

Modular plastic, polymer concrete, slot and composite (GRP) drainage – with plastic, galvanized, stainless steel, cast iron and composite gratings, manhole covers, underground boxes, joint boxes, pool gratings and steel platform gratings.

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PRODUCT RANGE

One supplier for surface water, access and walkways

From a garden path to an airport apron: channels, gratings and covers in the material and load class your project needs – shipped together in mixed containers.



Modular plastic channels

70 to 200 mm, page 4–5



Slot and pool drainage

Stainless slot, pool gratings, page 6



Polymer concrete channels

130 to 300 mm, page 7



Composite (GRP) products

Channels, gully and moulded gratings, page 8



Manhole covers

EN 124 A15–E600, page 9–10



Underground boxes

Junction boxes, shafts, page 11



Joint boxes

Telecom and energy, page 12



Steel platform gratings

DIN 24537, page 13–14



Pool covers & gratings

Overflow and edge, page 6

Materials: polypropylene (PP) and polyethylene · polymer concrete · hot-dip galvanized steel · stainless steel 304 · grey and ductile cast iron · glass-fibre reinforced composite (GRP / CTP)

SELECTION GUIDE

Choose by load class, then by material

Drainage channels follow EN 1433, gratings and covers EN 124. The load class is set by the traffic at the installation site.

CLASS	TEST LOAD	TYPICAL LOCATION	SUITABLE MATERIALS
A15	15 kN	Pedestrian and cycle areas, gardens, terraces, pools	PP, polymer, composite, galvanized and stainless steel
B125	125 kN	Footpaths, car parks, light vehicle access	Composite, cast iron, galvanized steel
C250	250 kN	Kerbside channels, service yards, slow roads	Cast and ductile iron, composite
D400	400 kN	Roads, carriageways, car park lanes	Ductile iron, composite, cast iron
E600	600 kN	Docks, logistics yards, heavy vehicles	Ductile iron
F900	900 kN	Airports, aircraft stands	Ductile iron, heavy-duty composite

PP / plastic

Light, UV-stabilised, easy to cut and install. Gardens, terraces, pools, light traffic.

Composite (GRP)

Corrosion-proof, non-conductive, much lighter than cast iron, no scrap value – theft-resistant.

Cast & ductile iron

Highest loads, long service life. Roads, ports, airports.

Galvanized steel

Strong and economical; hot-dip galvanized to EN ISO 1461.

Stainless 304

Hygienic and decorative. Food plants, pools, plazas, slot drains.

Polymer concrete

Smooth, chemical-resistant channel bodies for higher loads.

Modular plastic channels, 70 to 200 mm

Interlocking channel units in 500 and 1,000 mm lengths – joined without tools, with end caps, corners and bottom outlets for every layout.







SERIES	CHANNEL W × H × L (MM)	BOTTOM OUTLET
70	70 × 55 × 500	Ø32 / Ø50
100	100 × 55 × 500 · 100 × 55 × 1000	Ø50 / Ø75
130	130 × 50 × 500 · 130 × 80 × 500 · 130 × 120 × 500 · 130 × 80 × 1000	Ø75 / Ø110
200	200 × 120 × 500	Ø75 / Ø110

Accessories

- Plain end caps and end caps with round outlet (Ø32, Ø50, Ø75)
- Corner pieces, with or without bottom outlet
- Cross and T connections
- Bottom outlet adapters Ø75–Ø110

Typical use

- Terraces, balconies and garden paths
- Garage entrances and driveways
- Courtyards, sports and leisure areas
- Façade and door thresholds

Gratings and complete sets

Every channel width takes several grating types – choose by look, load and budget, or order complete sets ready to install.







GRATING	WIDTHS (MM)	LENGTHS (MM)
Plastic (PP), standard and locking	70 · 100 · 130 · 200	500 · 1000
Hot-dip galvanized steel	70 · 100 · 130 · 200	500 · 1000
Stainless steel	70 · 100 · 130 · 200	500 · 1000
Cast iron	130 · 200	500
Plastic slot (double slot, 20 mm)	130	500

Complete channel sets

Channel and grating packed as one item, with or without bottom outlet: 70/55 × 500 · 100/55 × 500 and 1000 · 130/50, 130/80 and 130/120 × 500 · 130/80 × 1000 · 200/120 × 500 – each with plastic or stainless steel grating. A slot set (130/80 × 500) is also available.

Load class depends on grating type, channel and bedding. Ask us for the confirmed class for your application.

SLOT DRAINAGE & POOLS

Discreet slot drains and pool gratings

Almost invisible drainage for plazas, showrooms and wet areas – and overflow gratings, edge gratings and covers for swimming pools.

SLOT PRODUCT	DIMENSIONS (MM)	MATERIAL
Slot channel	125 × 1000, slot height 20, 30 or 50	Stainless steel 304, 1.2 mm
Slot inspection box	125 × 500, slot height 20, 30 or 50	Stainless steel 304, 1.2 mm
Double-slot grating	130 × 500 × 20 for modular channels	Plastic



Pool overflow grating, square pattern



Pool edge grating



Stainless steel pool grating



Pool covers

Square covers for pool equipment and technical shafts in anthracite, beige and cream – matched to stone and tile surroundings.

POLYMER CONCRETE DRAINAGE

Polymer concrete channels for higher loads

Smooth, chemical-resistant channel bodies with cast iron, galvanized or polymer gratings – for roads, logistics areas and public spaces.





CHANNEL (W × H × L, MM)	MATCHING GRATINGS
130 × 150 × 1000	Polymer 130 × 500 · cast iron · galvanized steel
200 × 200 × 1000	Polymer 200 × 500 · cast iron · galvanized steel
300 × 200 × 1000	Polymer 300 × 500 · cast iron · galvanized steel

System parts

- End caps and closing plates
- Bottom outlets and sump units
- Locking systems for gratings

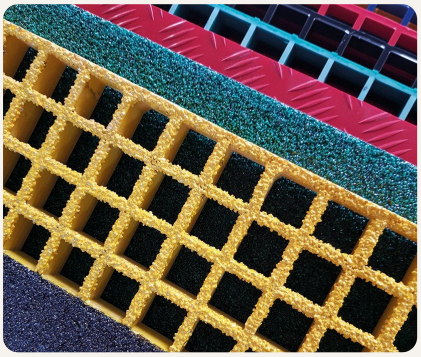
Standards

Channels to EN 1433; gratings tested to EN 124. Load classes from A15 up to E600 depending on grating – confirmed per project.

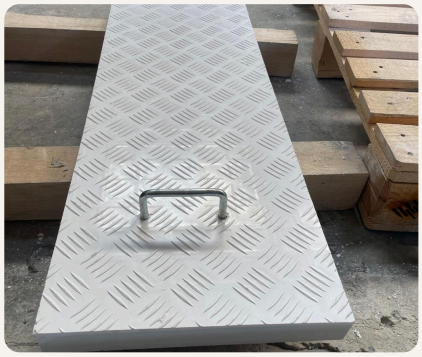
COMPOSITE (GRP / CTP) PRODUCTS

Composite drainage, gully and moulded gratings

Glass-fibre reinforced polyester: corrosion-proof, non-conductive, light to handle and of no interest to metal thieves. Expected service life 25 years and more.





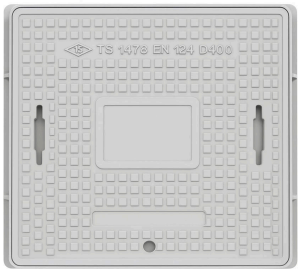


PRODUCT	SIZES (MM)
Composite drainage channel with grating	300 × 1000 × 200 · 200 × 1000 × 300
Gully gratings (with or without frame)	200 × 500 · 300 × 500 · 340 × 640 · 400 × 450 · 400 × 600 · 450 × 600 · 490 × 490 · 500 × 500 · 570 × 570 · 600 × 600
Tree grates	600 × 600 · 800 × 800 · 1000 × 1000
Moulded GRP gratings	Panels with 38 × 38 mesh and others; grit-top anti-slip surface; colours on request
GRP chequered covers	Trench and duct covers to size, with lifting handles

GRP covers and gratings are produced to EN 124 (TS 1478 EN 124) in classes A15 to D400. Also available: composite bollards, benches and kerb elements.

Composite and cast iron covers to EN 124

Round, square and rectangular covers for roads, pavements and utility networks – hinged or hingeless, with rubber gaskets for silent seating.







COVER	SIZE	CLASSES
Composite round, hinged / hingeless	Clear opening approx. 485 mm	A15 · B125 · C250 · D400
Composite square	250 × 250 · 500 × 500 mm	A15 · B125 · C250
Composite rectangular	600 × 800 mm	B125 · C250 · D400
Polymer round	Ø600 mm	A15 · B125 · C250 · D400
Grey cast iron round	Ø600 mm	A15 · B125 · C250 · D400
Ductile iron	Round and square, to project	D400 · E600 · F900

Accessories

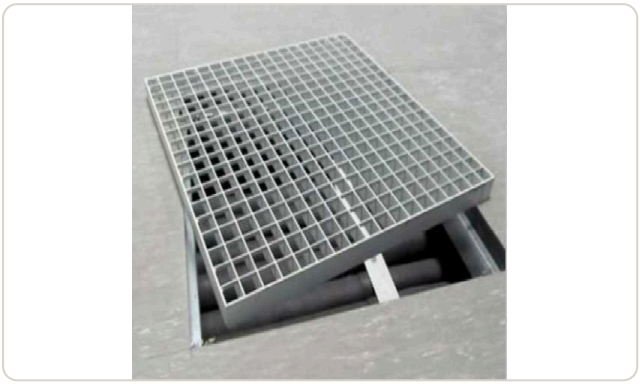
Raising frames for resurfacing, valve protection boxes (A15, B125), locking systems and lifting keys.

Marking

Marking with your logo or network name (water, sewer, telecom) on request.

Plastic covers and frames for landscaping

Light covers for gardens, courtyards and pedestrian areas – plain or with grating, in grey or green to blend into lawns and paving.





TYPE	SIZES (MM)	COLOURS
Plain cover	200 · 250 · 300 · 350 · 400 · 480 · 500 · 550 (square)	Grey, green
Grated cover	200 · 250 · 300 · 350 · 400 · 500 · 550	Grey, green
Framed cover, plain or grated	220 · 300 · 320 · 400 · 420 · 500 · 600	Grey
Frame only	220 · 300 · 320 · 400 · 420 · 500 · 600	Grey
Large covers	700 × 700 · 700 × 800 (hinged)	On request

Also available: steel grating covers with galvanized frames (see picture) and square cast iron chamber covers for paved areas.

Junction boxes, inspection shafts and valve boxes

Polyethylene and polypropylene chambers for drainage, irrigation and utility connections – light, watertight and quick to install.



PRODUCT	SIZES	OPTIONS
Underground junction box	200 · 300 · 400 · 500 · 550 mm	With or without lid
Multi-outlet box	6 outlets: 300 × 300, 400 × 400 · 10 outlets: 550 × 550 mm	With or without lid
Manhole box, new generation	250 × 250 · 350 × 350 mm	Plain, grated or black lid
Box adapters	Ø50 · Ø75 · Ø110 · Ø125	Pipe connections
Inspection shafts	Ø500 · Ø600 · Ø1000 mm	For corrugated pipes Ø200–Ø300; base, riser, cover and frame
Valve boxes	Round and rectangular, several sizes	Plastic or composite (A15, B125)

Packed on pallets by size; mixed pallets and containers possible.

Composite joint boxes for cable networks

Underground joint boxes (cable chambers) protect fibre-optic, telecom and low-voltage connections – non-conductive, corrosion-proof and light enough to lift by hand.





JOINT BOX	SIZE (MM)	USE
Composite joint box, small	250 × 250	Pavements, building entries
Composite joint box, standard	485 × 485, several depths	Fibre and telecom networks, pavements and verges
Larger chambers	To project	Energy and street lighting networks

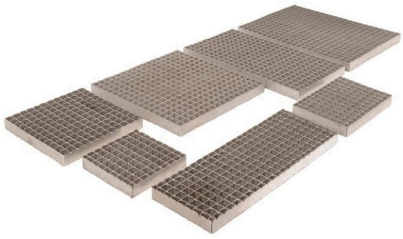
Building drainage

Linear shower channels (tile-insert and framed), floor drains with odour trap and adjustable height, balcony and garden drains, stainless steel grates – supplied together with your site drainage.

Welded and press-locked gratings

Platform gratings for industry, energy, water treatment, shipbuilding and architecture – made to size, hot-dip galvanized, stainless or aluminium.





TYPE	CONSTRUCTION	STANDARD MESHES (MM)
Welded (twisted bar)	30 × 3 bearing bars, Ø6 twisted cross bars; medium to high loads	34 × 38 · 34 × 76 · 34 × 114 · also 20, 40 and 50 pitch
Half-pass press-locked	30 × 3 bearing bars, 16 × 3 or 12 × 3 cross bars	33 × 33 · 33 × 66 · 33 × 100 · also 20, 40 and 50 pitch
Full-pass press-locked	30 × 3 bars interlocked in both directions; high loads	33 × 33 · 33 × 66 · 33 × 100 · also 20, 40 and 50 pitch
Serrated (anti-slip)	Notched bearing bars, all types	As above

Designations to DIN 24537. Coatings: hot-dip galvanized (EN ISO 1461), electro-galvanized or painted; stainless steel and aluminium on request. Heavier bearing bars for vehicle loads.

Stair treads, fixings and expanded metal

Complete the platform: treads, fasteners and mesh panels in matching finishes.







Stair treads

Grating treads with end plates and anti-slip nosing, ready to bolt. Complete stair systems in galvanized steel, stainless steel or aluminium, cut, bent and coated for assembly.

Fixings

- Standard clamp (top and bottom part, bolt, nut, washer), also in stainless steel
- Threaded-bolt clamp – grating cannot slide even if the bolt loosens
- J-hook and L-hook clamps for beam flanges
- Recommended: at least 4 fixings per m^2

Expanded metal, fences and railings

Expanded metal in mild steel, galvanized steel and aluminium – for architectural panels, stair treads, guards and fences; panels of grating, expanded metal and perforated sheet for partitions and railings.

PROJECTS & LOGISTICS

From a pallet to a project

Distributors, contractors and municipalities buy from us – by the pallet for stock, or as a complete package for a site.



For distributors

- Standard ranges in fixed pallet quantities
- Mixed containers across product groups
- Private label and custom packaging on request
- Price lists in USD or EUR

For projects

- Quantity take-off from your drawings
- Load class and material advice
- Custom sizes for gratings, covers and frames
- Delivery to site, Incoterms on request

Documents: EN 124 / EN 1433 test reports where applicable, galvanizing certificates, certificate of origin, A.TR or EUR.1.

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REQUEST A QUOTE

Send your layout or list. We size and price it.

What helps us quote fast

- Product, size and material
- Load class (A15 to F900)
- Quantities or channel length in metres
- Drawings or site plan for projects
- Colour, marking and packing needs
- Destination and Incoterm

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Scan to send your request

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Partner names are shared during the quotation process. Dimensions are nominal; load classes are confirmed per product and application.
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