Trapezoidal Roofing Sheets

OMEGA STEEL CO.
Istanbul · Dilovası plant

Roll-formed trapezoidal and corrugated metal roofing and cladding sheets in galvanized (Z140–Z275), pre-painted (PPGI, RAL colours, PE/PVDF) and aluzinc AZ150 steel, 0.30–0.70 mm, profiles 18/76 corrugated, 27/150, 38/151 and 45/333, cut to length up to 13.5 m in our Dilovası plant and exported by container or truck with matching flashings and fasteners.

18/76 · 27/150 · 38/151 · 45/333 | 0.30 – 0.70 mm | Galvanized · PPGI · AZ150 | Any length to 13.5 m | Own roll-forming lines

The economical metal roof: trapezoidal (27/150, 38/151, 45/333) and sinusoidal corrugated (18/76) sheets roll-formed on our own lines from galvanized, pre-painted (PPGI) or aluzinc coil, 0.30–0.70 mm, in any length up to 13.5 m. Priced per m², shipped with ridge, eaves and side flashings, screws and foam fillers; galvanized purlins and sandwich panels from the same plant.

PROFILES: 18/76 CORRUGATED, 27/150, 38/151, 45/333

Profile	Rib height × pitch	Cover width	Sheet width	Thickness	Typical span*	Use
18/76 corrugated (sinus)	18 × 76 mm	1 000 mm	1 220 mm	0.30–0.60	0.9–1.2 m	Small roofs, fences, cladding, Africa/Gulf standard
27/150	27 × 150 mm	1 050 mm	1 250 mm	0.40–0.60	1.2–1.6 m	Wall cladding, canopies
38/151	38 × 151 mm	1 060 mm	1 250 mm	0.40–0.70	1.6–2.2 m	Warehouse and shed roofs — most ordered
45/333	45 × 333 mm	1 000 mm	1 250 mm	0.50–0.70	2.0–2.8 m	Long-span roofs, industrial halls
Composite deck (see deck page)	50–75 × 250	750–1 000	1 250	0.70–1.20	2.5–3.5 m	Concrete floor slabs

* purlin spacing, 0.50 mm S280GD, 1.0 kN/m² UDL, deflection L/200, two-span. Detailed load tables per EN 1993-1-3 on the datasheet.

MATERIALS: GALVANIZED, PPGI, ALUZINC

Material	Coating	Colours	Life (rural / coastal)	Price index	Choose for
Galvanized (GI)	Z140 / Z200 / Z275	Silver spangle	15–25 / 6–10 yr	1.00	Budget roofs, sheds, fences, to be painted
PPGI polyester	Z140–Z200 + PE 25 µm	RAL 9002, 9010, 9006, 3009, 5010, 6005, 7016, 8017 + any RAL	20–30 / 8–12 yr	1.20–1.30	Visible roofs and cladding
PPGI PVDF	Z200–Z275 + PVDF 35 µm	Any RAL, metallic	25–35 / 12–18 yr	1.35–1.50	Gulf sun, coastal, architectural
Aluzinc AZ150	55% Al-Zn 150 g/m²	Bright metallic	30–40 / 15–20 yr	1.08–1.15	Humid tropics, West Africa, heat reflection
Stucco / matt	PE textured 30 µm	Selected RAL	20–30 / 8–12 yr	1.30	Villas, low-glare roofs

THICKNESS, WEIGHT AND COVERAGE

Thickness	Galvanized kg/m²	PPGI kg/m²	m² per ton	6 m sheets per ton (38/151)
0.30 mm	2.7	2.8	360	56
0.35 mm	3.1	3.2	315	49
0.40 mm	3.6	3.7	275	43
0.45 mm	4.0	4.1	245	38
0.50 mm	4.4	4.5	225	35
0.60 mm	5.3	5.4	188	29
0.70 mm	6.2	6.3	160	25

Includes the 7–9% profile factor (flat sheet 1 250 mm → 1 060 mm cover).

STANDARDS

EN 14782 (self-supporting metal sheet for roofing and cladding) · EN 10346 (galvanized substrate DX51D+Z, S250GD–S350GD) · EN 10169 (pre-painted) · EN 508-1 (profiled sheet specification) · EN 1991-1-3 / -1-4 (snow and wind design)