Metal Roof Tile Sheet

OMEGA STEEL CO.
Istanbul · Dilovası plant

Step-pressed tile-profile roofing sheets (metal roof tiles) manufactured in our Dilovası plant from pre-painted galvanized (PPGI) or pre-painted aluzinc coil, 0.40–0.60 mm, classic 350 mm step and 1 100 / 1 180 mm cover widths, in RAL 8017, 3009, 3005, 6005, 7016, 9002 and matt textured finishes, cut to rafter length up to 8 m, supplied with matching ridge, hip, valley, eave and verge flashings, screws and closures; for villas, housing projects, hotels, mosques and roof renovations in the Gulf, Africa, CIS and the Balkans.

350 mm step · 1 100 / 1 180 cover | 0.40 – 0.60 mm PPGI / PPGL | RAL 8017 · 3009 · 3005 · 6005 · 7016 | Any length to 8 m | Own roll-forming + press line

The look of clay tiles at a tenth of the weight: PPGI tile-profile sheet with a 350 mm step, 0.40–0.60 mm, in brown, terracotta, green, anthracite or matt textured RAL colours, pressed and cut to rafter length on our own line. 4–5 kg/m² instead of 40–50 for clay, one sheet covers 1.1 m width × the full rafter, fixed in a day with matching ridge, valley and eave flashings — the standard roof for housing projects from

PROFILE AND DIMENSIONS

Item	Value
Step (tile length)	350 mm (300 / 400 on request)
Step height	20–25 mm
Rib height / pitch	40 mm / 183–197 mm (6 ribs)
Cover width	1 100 mm (sheet 1 180) or 1 180 mm (sheet 1 250)
Thickness (BMT)	0.40 / 0.45 / 0.50 / 0.60 mm
Length	Cut to rafter length, multiple of 350 mm + 50, max 8 000 mm
Weight	3.6 kg/m² (0.40) · 4.5 kg/m² (0.50) · 5.4 kg/m² (0.60)
Batten / purlin spacing	350 mm (one per step) or 700 mm (0.50 mm+)
Minimum pitch	12° (14° for lengths > 6 m)
Side lap	One rib (+ sealant in high wind)
End lap	One step (350 mm), sealed

COLOURS AND COATINGS

RAL	Colour	Finish	Availability
8017	Chocolate brown	PE gloss / matt textured	Stock — most ordered
3009	Oxide red (terracotta)	PE gloss / matt	Stock
3005	Wine red	PE gloss / matt	Stock
6005	Moss green	PE gloss	Stock
7016	Anthracite grey	PE / matt	Stock
9002 / 9010	Grey white / white	PE	Stock
8004	Copper brown	Matt textured	2–3 weeks
Any RAL / stone-coated look	—	PE, PVDF, textured	5 t per colour, 2–4 weeks

Matt textured polyester (30–35 µm) hides scratches and glare and is the premium choice for villas; PVDF for Gulf sun and 25-year colour retention.

METAL TILE VS CLAY / CONCRETE TILE VS TRAPEZOIDAL SHEET

	Metal tile sheet	Clay / concrete tile	Trapezoidal sheet
Weight	4–5 kg/m²	40–55 kg/m²	4–5 kg/m²
Structure	Light battens / purlins	Heavy rafters, close battens	Purlins 1.5–2.5 m
Installation	1 day / 200 m²	3–5 days / 200 m²	1 day / 250 m²
Appearance	Tile look, many colours	Traditional	Industrial
Life	20–30 yr (PE), 30+ (PVDF)	50+ yr	20–30 yr
Cost per m² (material)	1.0	1.5–2.5	0.85–0.95
Min. pitch	12°	22–30°	5–8°
Best for	Villas, housing, renovations	Traditional / heritage	Industrial, agricultural

STANDARDS

EN 14782 (self-supporting metal sheet for roofing) · EN 10169 (pre-painted substrate), EN 10346 (galvanized) · EN 508-1 (profiled sheet) · EN 1991-1-3 / -1-4 (snow, wind)