

The 18/76 corrugated sheet is the traditional wavy roof: a sinusoidal profile 18 mm high on a 76 mm pitch, rolled from galvanized or pre-painted coil in 0.40–0.70 mm, covering 1 000 mm per sheet with one wave of overlap. It roofs and clads sheds, barns, workshops, fences, market stalls and rural houses across the Middle East, Africa and Central Asia, and lines pitched roofs where the classic look is wanted. We roll it at Dilovası in lengths to 12 m and supply matching ridges, fixings and curved sheets.

18 mm × 76 mm wave	Cover 1 000 mm	0.40–0.70 mm	Galvanized or PPGI	Curves to R ≥ 1.5 m
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Before there were trapezoidal profiles there was the corrugated sheet, and in half the world a metal roof still means this one. It is light, it curves, it overlaps forgivingly, and our line rolls it in galvanized and in every stock colour.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
DX51D+Z100 (EN 10346)	≈ 140 (not guaranteed)	galvanized, general roofing
DX51D+Z140 / Z275	≈ 140	exposed and coastal
S280GD+Z275	280	longer spans, snow / wind loads
PPGI (DX51D+Z100 + PE 25 µm)	≈ 140	coloured sheet, EN 10169

Profile tolerances per EN 14782: length ±10 mm, cover width ±5 mm, wave height ±1 mm.

PROFILE DIMENSIONS AND SPAN

Item	Value
Wave height	18 mm
Wave pitch	76 mm
Waves per sheet	14
Overall width	1 076 mm
Cover width	1 000 mm (one-wave side lap)
Length	1–12 m, to order
Min. curving radius	1.5 m (0.50 mm), 2.5 m (0.70 mm)
Weight 0.40 / 0.50 / 0.70 mm	3.6 / 4.5 / 6.3 kg/m² covered
Purlin spacing, roof 0.75 kN/m²	1.0 m (0.40) · 1.2 m (0.50) · 1.5 m (0.70)
Purlin spacing, wall	1.5–2.0 m
Min. roof slope	15 % (8.5°) with 200 mm end lap; 10 % with sealed laps

Spans are for continuous two-span sheets at L/150 deflection; check wind uplift and fixing pull-out for exposed roofs.

MATERIAL, THICKNESS AND WEIGHT

Material	Thickness (TCT)	kg/m² covered	Colours	Life (C3 / coastal)	Note
Galvanized DX51D+Z100	0.40–0.50	3.6–4.5	spangle silver	10–15 / 5–8 yr	cheapest; warehouses, sheds
Galvanized Z140–Z275	0.50–0.70	4.5–6.3	silver	15–25 / 8–12 yr	exposed roofs, agriculture
PPGI PE 25 µm on Z100	0.40–0.60	3.7–5.5	RAL 9002, 9010, 3009, 7016, 6005 ...	10–15 / 5–8 yr	the standard coloured roof
PPGI SMP / HDP	0.50–0.60	4.6–5.5	as above	15–25 / 10–15 yr	warranty projects
PPGI PVDF	0.50–0.70	4.6–6.4	as above	25–30 / 15–20 yr	façades, Gulf coast
Aluzinc AZ150	0.45–0.60	4.0–5.4	matt silver	25–30 / 12–15 yr	to order, 10 t

For fences and sheds 0.40 mm galvanized is the market standard; for roofs 0.50 mm; coastal sites need Z275 or PVDF PPGI.

STANDARDS

EN 14782 — self-supporting metal sheet for roofing and cladding · EN 10346 — DX51D / S280GD + Z100–Z275 substrate · EN 10169 — coil-coated (PPGI) substrate · EN 1993-1-3 — cold-formed design; EN 10204 3.1