

The 27/150 is the light trapezoidal profile: 27 mm-high ribs on a 150 mm pitch, seven ribs on a 1 050 mm cover, rolled from galvanized or pre-painted coil in 0.40–0.60 mm. It is the standard wall-cladding sheet of industrial buildings, the liner sheet under insulated roofs, and a roof sheet where purlins are at 1.5–2 m. We roll it at Dilovası in lengths to 12 m, galvanized and in the stock RAL colours, with flashings and fixings.

27 mm rib · 150 mm pitch	Cover 1 050 mm	0.40–0.60 mm	Wall, liner, light roof	Galvanized or PPGI
--------------------------	----------------	--------------	-------------------------	--------------------

Most of the wall you see on a warehouse is T27: flat enough to look clean, ribbed enough to stay straight, and cheap enough to clad a hectare. It is our highest-volume profile by square metre.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
DX51D+Z100 (EN 10346)	≈ 140 (not guaranteed)	liner sheet, interior, dry climates
DX51D+Z140 / Z275	≈ 140	exposed walls and roofs
S280GD+Z275	280	roofs at the longer spans
PPGI (DX51D+Z100 + PE / SMP / PVDF)	≈ 140	coloured cladding, EN 10169

Sheet tolerances per EN 14782; rib height ±1 mm, cover width ±5 mm.

PROFILE DIMENSIONS AND SPAN TABLE

Item	0.40 mm	0.50 mm	0.60 mm
Rib height / pitch	27 / 150 mm	27 / 150 mm	27 / 150 mm
Ribs per sheet · cover width	7 · 1 050 mm	7 · 1 050 mm	7 · 1 050 mm
Overall width	1 100 mm	1 100 mm	1 100 mm
Weight per m² covered (galv.)	3.8 kg	4.7 kg	5.6 kg
Wall girt spacing (wind 0.6 kN/m²)	1.5 m	1.8 m	2.1 m
Roof purlin spacing (0.75 kN/m²)	1.2 m	1.5 m	1.8 m
Roof purlin spacing (1.5 kN/m²)	0.9 m	1.1 m	1.3 m
Min. roof slope	10 %	10 %	10 %
Max. length	12 m	12 m	12 m

Wall values assume two-span continuous sheets; roof values include a 200 mm end lap. Design to EN 1993-1-3 with the CE data for the project loads.

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

Walls are usually 0.40–0.50 mm PPGI 9002 or 9006; liners 0.40 galvanized; roofs 0.50 mm.

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