RAL 9002 Grey White PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 9002 grey white is the most produced PPGI colour in the world: the slightly warm off-white of industrial roofs, wall cladding and sandwich-panel skins that reflects heat, hides dust and matches every other building on the estate. We stock it in 0.35–0.70 mm on DX51D+Z100 with 25 µm polyester, cut to length or in coil, and roll our own trapezoidal sheet and sandwich panels from it at Dilovası.

RAL 9002 · grey white | LRV ≈ 78 % | Stock 0.35–0.70 mm | PE 25 µm standard | Roofing & panel standard

If a specification just says "PPGI, white", it means RAL 9002. It is the colour we hold in the widest range of gauges, the one our trapezoidal and sandwich lines run most, and the safest choice for a building that has to blend in and stay cool.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 9002	Grey white / Grauweiß	#E7EBDA	≈ 78 %	30–40 (semi-gloss); 10–20 matt on request	ΔE ≤ 1.0 to RAL 841-GL, batch-matched

COATING SYSTEMS FOR THIS COLOUR

System	Top coat	Life to first maintenance	When to choose
PE polyester	25 µm	10–15 yr	stock; roofs, walls, panels
SMP	25 µm	15–20 yr	coastal, 15-yr warranty
HDP	25 µm	20–25 yr	long warranty, high UV
PVDF	25–35 µm	25–30 yr	façades, colour guarantee
Backing	5–8 µm grey	—	15 µm for double-sided

RAL 9002 is a low-chroma colour with the best colour retention of any shade: even plain PE stays within ΔE 3 after 10 years in a C3 atmosphere, so PE is the right system unless the site is coastal or the warranty demands SMP/PVDF.

THICKNESS RANGE AND STOCK SIZES

Thickness	Widths × lengths	Availability
0.35–0.45 mm	1 000 / 1 250 mm coil; sheet to 6 000 mm	stock — roofing, wall sheet
0.50–0.70 mm	1 000 / 1 250 mm coil; sheet to 12 000 mm	stock — trapezoidal, sandwich skins, deck
0.80–1.20 mm	1 250 mm coil	to order — doors, cabinets, ducting
Other widths	914 / 1 200 / 1 500 mm	to order 3–5 weeks

WEIGHT PER M² AND PER SHEET

Thickness	kg/m²	1 000 × 2 000 (kg)	1 250 × 2 500 (kg)	1 500 × 3 000 (kg)
0.35 mm	2.85	5.7	8.9	12.8
0.4 mm	3.24	6.5	10.1	14.6
0.45 mm	3.63	7.3	11.4	16.3
0.5 mm	4.03	8.1	12.6	18.1
0.6 mm	4.81	9.6	15.0	21.6
0.7 mm	5.60	11.2	17.5	25.2

Steel at 7.85 kg/dm³ plus Z100 zinc and 25/7 µm paint (≈ 0.10 kg/m²); thickness is the total coated thickness (TCT) unless bare metal (BMT) is specified.

STANDARDS

EN 10169 — continuously organic-coated (coil-coated) steel · EN 10346 — DX51D+Z substrate · RAL 841-GL colour register · EN 13523 (ECCA) test methods; EN 10204 3.1