RAL 5010 Gentian Blue PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 5010 gentian blue is the industrial blue: the corporate colour of warehouses, logistics parks, cold-chain and food plants, trapezoidal roofs and sandwich-panel walls across the Gulf, Central Asia and the Balkans, and the blue of slotted-angle racks, shelving and steel doors. It sits between the greenish 5012 and the darker 5013, is made on phthalocyanine pigment that holds its colour well in PE, and is stocked in 0.40–0.60 mm on 1 250 mm coil, rolled into trapezoidal, corrugated and panel-skin profiles on our lines.

RAL 5010 · gentian blue | LRV ≈ 8 % | Stock 0.40–0.60 mm | Phthalocyanine — light-fast | Warehouse & panel blue

Blue sells buildings: 5010 is the colour that makes a warehouse look like a company, and phthalocyanine pigment means it looks the same company ten years on.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 5010	Gentian blue / Enzianblau	#0E294B	≈ 8 %	30–40 (semi-gloss); 10–20 matt on request	ΔE ≤ 1.0 to RAL 841-GL, batch-matched

PAINT SYSTEM AND PIGMENT CHOICE

System	Pigment	Indoor life	Outdoor life (C3)	Note
PE polyester 25 µm	phthalocyanine blue	15+ yr	10–15 yr	stock; the exception among chroma colours — stable in PE
SMP / HDP 25 µm	phthalocyanine blue	20+ yr	15–20 yr	Gulf and high-UV roofs, 15-yr warranty
PVDF 25–35 µm	phthalocyanine blue	25+ yr	25–30 yr	façades and colour warranty
PE with cheap ultramarine / organic blue	ultramarine or azo	10 yr	3–6 yr	avoid — fades to grey-violet; ask for the pigment on the certificate

Phthalocyanine 5010 in PE holds ΔE ≤ 3 after 10 years; chalking (not fading) is the ageing mode. Insist on phthalocyanine pigment in the coating certificate for any outdoor 5010.

ROOFING AND PANEL PRODUCTS IN RAL 5010

Item	Gauge	Note
Trapezoidal 27/150 and 38/151 wall and roof sheet	0.40–0.50 mm	blue walls, grey-white roof is the common pairing
Corrugated 18/76	0.40–0.50 mm	sheds, fences
Sandwich-panel outer skins	0.50–0.60 mm	PIR / rockwool wall panels, micro-ribbed
Flashings, copings, corner trims	0.50 mm	same batch
Slotted angle and shelving strip	0.50–0.70 mm	slit to width
Screws with painted heads	—	5010 heads

Blue walls with a 9002 roof is the standard warehouse scheme; order walls, trims and screws together for one batch.

THICKNESS RANGE AND STOCK SIZES

Thickness	Widths × lengths	Availability
0.40–0.50 mm	1 250 mm coil; sheet to 8 000 mm	stock — sheet and panel skins
0.60 mm	1 250 mm coil	stock — panel skins, doors
0.35 mm / 0.70 mm	1 000 / 1 250 mm coil	to order
SMP / PVDF	0.45–0.60 mm	to order, 10 t per system

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