RAL 6009 Fir Green PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 6009 fir green is the darkest green in the coil-coating palette — the colour of forest-edge roofs, garden fences and gates, military and border installations, agricultural buildings and every structure that a planner wants to vanish against trees. It is a blue-shaded black-green (LRV ≈ 5 %) made on chromium-oxide and phthalocyanine pigments, so it is light-fast, and it runs hot like all dark colours. We stock 6009 in 0.40–0.50 mm PE on 1 000 and 1 250 mm coil, roll it into fence and trapezoidal profiles and corrugated sheet on our lines, and quote matt-textured, SMP and PVDF to order.

RAL 6009 · fir green | LRV ≈ 5 % | Stock 0.40–0.50 mm | Chromium-oxide — light-fast | Fence, gate & forest roof

Where 6005 moss green is the agricultural green of the Balkans, 6009 is the green of the forest line: darker, cooler, chosen when the roof or fence should not be seen at all.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 6009	Fir green / Tannengrün	#27352A	≈ 5 %	30–40 gloss; 5–15 matt textured on request	ΔE ≤ 1.0 to RAL 841-GL, batch-matched

COLOUR RETENTION BY PAINT SYSTEM

System	Pigments	Chalking	ΔE at 10 yr	Typical use
PE polyester 25 µm	chromium oxide + phthalocyanine	slight–moderate (dark, runs hot)	2–3	fences, gates, sheds, temperate roofs
Matt-textured PE 30 µm	same	masked by texture	1.5–2.5	forest and park roofs, visible fences
SMP / HDP 25 µm	same	low	1–2	Gulf and high-UV roofs, 15-yr warranty
PVDF 25–35 µm	same	very low	≤ 1	architectural cladding, colour warranty

The pigments of 6009 are stable — the hue does not drift to blue or yellow the way organic greens do; the risk is chalking of the binder on a hot dark surface. Matt-textured or SMP for anything seen from close by in strong sun.

FENCE, GATE AND SCREENING PRODUCTS IN RAL 6009

Item	Gauge	Note
Fence panel sheet (trapezoidal 18/76 or 20/125)	0.40–0.50 mm	1.5–2.5 m heights, cut to length
Gate and door skins	0.50–0.70 mm	flat or micro-ribbed, film both sides
Post caps, top rails and U-channels	0.50–0.70 mm	folded from the same coil
Trapezoidal 27/150 and 38/151 roof and wall sheet	0.40–0.50 mm	forest and agricultural roofs
Corrugated 18/76	0.40–0.50 mm	sheds, screening walls
Sandwich-panel outer skins	0.50–0.60 mm	PIR / rockwool walls that blend with trees
Screws with painted heads	—	6009 heads, EPDM washers

Fence sheet, posts caps, rails and screws from one batch: dark greens from different paint runs can differ by 1–2 ΔE, visible along a fence line.

THICKNESS RANGE AND STOCK SIZES

Thickness	Widths × lengths	Availability
0.40–0.50 mm	1 000 / 1 250 mm coil; sheet to 6 000 mm	stock — fences, roofs, sheds
0.60–0.70 mm	1 250 mm coil	to order — gates, doors, copings
0.35 mm	1 000 mm coil	to order — light screening
Matt / 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

Updated 22 September 2026 · figures are nominal; the mill certificate governs