RAL 7016 Anthracite PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 7016 anthracite grey is the colour of contemporary architecture: dark, blue-grey, matt or semi-gloss, on façade cassettes, standing-seam and trapezoidal roofs, fences, gates, garage doors and window frames. Demand has grown faster than for any other PPGI colour in the last decade. We stock 0.50–0.70 mm on DX51D+Z140 with polyester and matt-polyester systems, and supply PVDF for façade projects that need a 25-year colour guarantee.

RAL 7016 · anthracite grey | LRV ≈ 6 % | Stock 0.50–0.70 mm | Matt PE / PVDF | Façade & fence colour

Every architect's render is anthracite. 7016 turned from a niche colour into our third-most-stocked PPGI in five years, and unlike the whites it is bought as much by fence, gate and façade fabricators as by roofers.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 7016	Anthracite grey / Anthrazitgrau	#383E42	≈ 6 %	30–40 semi-gloss; 5–15 matt textured (stock)	ΔE ≤ 1.0 to RAL 841-GL; window-frame match on request

WHICH PAINT SYSTEM HOLDS THIS COLOUR

System	Chalking	ΔE at 10 yr	Gloss kept	Typical use
PE polyester 25 µm	moderate	4–6	40–60 %	fences, gates, sheltered walls
SMP / HDP 25 µm	low	2–3	60–80 %	roofs and cladding
PVDF 25–35 µm	very low	≤ 1.5	> 80 %	façades, colour warranty
Matt-textured PE	masked by texture	4–6	n/a	architectural stock

Dark colours fade and chalk faster: PE is fine for fences, gates and sheltered walls; specify HDP/SMP for roofs and PVDF for façades or any surface with a colour warranty. Matt-textured PE is the current architectural standard and hides installation marks.

HEAT BUILD-UP AND SUBSTRATE CHOICE

Colour	Solar reflectance	Approx. surface temperature	Consequence
RAL 9002 grey white	≈ 70 %	50–55 °C	cool roof
RAL 3009 oxide red	≈ 30 %	65–75 °C	insulate below
RAL 7016 anthracite	≈ 25 %	70–80 °C	heat-resistant system; allow thermal movement in long sheets
RAL 9005 jet black	≈ 5 %	80–90 °C	PVDF only outdoors

Long standing-seam and trapezoidal sheets in 7016 expand about 1 mm per metre between night and midday — use sliding clips / oversized holes. Z140 minimum on exposed faces; Z275 within 5 km of the sea.

THICKNESS RANGE AND STOCK SIZES

Thickness	Widths × lengths	Availability
0.50–0.70 mm	1 000 / 1 250 mm coil; sheet to 6 000 mm	stock — semi-gloss and matt PE
0.40–0.45 mm	1 250 mm coil	to order — light cladding, fence infill
0.80–1.20 mm	1 250 mm coil	to order — doors, cassettes, gates
PVDF / Z275	0.60–0.80 mm	to order 4–5 weeks, 10 t

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