RAL 8017 Chocolate Brown PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 8017 chocolate brown is the roof colour of half the Middle East and the Balkans: the dark warm brown of glazed clay tiles, used on tile-profile (pantile) sheet, trapezoidal roofs, ridge caps and gutters wherever a house, villa, mosque or school must read as a traditional roof. It is our most-ordered dark colour — held in 0.40–0.50 mm PE gloss and matt-textured, 0.35–0.70 mm to order — rolled into every roofing profile on our lines and folded into matching flashings from the same coil batch.

RAL 8017 · chocolate brown | LRV ≈ 7 % | Stock 0.40–0.50 mm | PE gloss & matt textured | Tile-roof standard

If a roofing enquiry says "brown", it means 8017 nine times out of ten: dark enough to look like tile, warm enough not to look black, and — on iron-oxide pigment — stable enough that a PE roof still matches its ridge ten years later.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 8017	Chocolate brown / Schokoladenbraun	#45322E	≈ 7 %	30–40 gloss; 5–15 matt textured	ΔE ≤ 1.0 to RAL 841-GL, batch-matched

WHICH PAINT SYSTEM HOLDS THIS COLOUR

System	Chalking	ΔE at 10 yr	Gloss kept	Typical use
PE polyester 25 µm	slight–moderate (dark colour runs hot)	2–3.5	40–55 %	tile-profile and trapezoidal roofs, temperate and continental
Matt-textured PE 30 µm	masked by texture	2–3	n/a	villa and mosque roofs, hides scratches
SMP / HDP 25 µm	low	1.5–2	60–75 %	Gulf and Africa roofs, 15–20-yr warranty
PVDF 25–35 µm	very low	≤ 1	> 80 %	façades, standing-seam, colour warranty

Dark colours absorb 85–90 % of solar energy: surface temperatures of 70–80 °C in Gulf summer accelerate chalking of plain PE. For Gulf and African roofs specify SMP or PVDF, or matt-textured PE for villa roofs where texture hides early chalk.

ROOFING PRODUCTS ROLLED FROM RAL 8017 COIL

Item	Gauge	Note
Tile-profile (pantile) roofing sheet	0.40–0.50 mm	step 350 mm, cover 1 100 mm — the main 8017 product
Trapezoidal 27/150 and 38/151	0.40–0.50 mm	roofs and walls
Corrugated 18/76	0.40–0.50 mm	sheds, fences, curved roofs
Ridge, hip and valley	0.45–0.50 mm	folded from the same coil
Gutters, downpipes and fascia	0.50 mm	half-round and box
Screws with painted heads	—	EPDM washer, 8017 heads

Order sheet, flashings and screws in one lot: 8017 batches from different paint runs can differ by 1–2 ΔE, visible at the ridge line.

THICKNESS RANGE AND STOCK SIZES

Thickness	Widths × lengths	Availability
0.40–0.50 mm	1 000 / 1 250 mm coil; sheet to 8 000 mm	stock — gloss and matt textured
0.35 mm	1 000 mm coil	to order — light cladding, fences
0.60–0.70 mm	1 250 mm coil	to order — panels, gutters, doors
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