RAL 9010 Pure White PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 9010 pure white is the clean, bright white of supermarkets, food factories, cold stores, hospitals and offices — the colour specified when a building must look hygienic and reflect the most light inside. We stock it in 0.40–0.60 mm with a food-contact-approved polyester system on DX51D+Z100, in coil and cut sheet, and produce cold-store and clean-room sandwich panels from it at Dilovası.

RAL 9010 · pure white | LRV ≈ 85 % | Food-contact PE | Stock 0.40–0.60 mm | Cold store & clean room

Where 9002 is the colour of the warehouse, 9010 is the colour of the cold store and the dairy: the white that stays white under LED light and wipes clean. It is our second-most-stocked PPGI colour and the one our food-grade panel line runs.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 9010	Pure white / Reinweiß	#F1ECE1	≈ 85 %	30–40 (semi-gloss); 60–80 high-gloss for panels on request	ΔE ≤ 1.0 to RAL 841-GL; batch-match all faces

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

For food and pharma interiors ask for the food-contact PE (or PVDF) with the migration certificate; the anti-microbial top coat (silver-ion) is available on 10 t orders.

FOOD, COLD-STORE AND CLEAN-ROOM USE

Requirement	How it is met	Document
Indirect food contact	food-grade polyester top coat, low-migration	EN 1186 / FDA 21 CFR 175.300 test report
Cleanability	smooth 30–40 gloss or high-gloss surface, no embossing	ECCA T-tests, wipe test
Chemical resistance	resists dilute alkaline and acid cleaners, chlorine ≤ 200 ppm	EN 13523-18 report
Fire behaviour	coating A1 / A2-s1,d0 classified on steel	EN 13501-1 classification
Low temperature	coating flexible to −40 °C (freezer stores)	T-bend / impact at −40 °C
Light reflectance	LRV ≥ 80 % for lighting design	colour data sheet

Sandwich panels for cold stores use 9010 on both faces; the joints, not the sheet, decide the hygiene rating.

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 — panel skins, liners
0.60 mm	1 250 mm coil; sheet to 12 000 mm	stock — cold-store panels
0.35 mm, 0.70–1.20 mm	1 250 mm coil	to order
High-gloss / anti-microbial	0.50–0.60 mm	to order, 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

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