RAL 9016 Traffic White PPGI

OMEGA STEEL CO.
Istanbul · Dilovası plant

RAL 9016 traffic white is the coldest, brightest white in the PPGI range — bluer than 9010, far brighter than 9002 — and the colour of cold-room and clean-room sandwich panels, food-plant wall linings, white doors and appliance housings. It reflects about 85 % of light, so it keeps refrigerated and hygienic interiors bright with less lighting and shows dirt immediately, which is what a food inspector wants. Stocked in 0.40–0.60 mm PE (food-contact-grade top coat on request) and PVDF, rolled into flat and micro-ribbed panel skins on our lines.

RAL 9016 · traffic white | LRV ≈ 85 % | Stock 0.40–0.60 mm | Food-grade top coat option | Cold-room & clean-room skin

Where 9002 is the white of the warehouse roof, 9016 is the white of the cold store inside it: bright enough to be a light source, clean enough to be a hygiene standard.

COLOUR DATA

RAL code	Name	Approx. hex	Light reflectance (LRV)	Gloss (60°)	Colour tolerance
RAL 9016	Traffic white / Verkehrsweiß	#F1F1F1	≈ 85 %	30–40 (semi-gloss); 60–80 high-gloss on request	ΔE ≤ 0.8 to RAL 841-GL, batch-matched

COATING SYSTEMS FOR THIS COLOUR

System	Top coat	Life to first maintenance	When to choose
PE polyester	25 µm	10–15 yr	stock; panel skins, doors
Food-contact PE	25 µm, EU 10/2011 / FDA	10–15 yr indoor	cold rooms, food and pharma halls
SMP	25 µm	15–20 yr	outdoor doors and truck bodies
PVDF	25–35 µm	25–30 yr	clean rooms with disinfectants, façades
Backing	7 µm grey; 12–15 µm white	—	double-sided white for washable panels

Whites do not fade — they yellow: a plain PE 9016 gains 1–2 ΔE of yellowing in 10 years indoors under fluorescent light; PVDF and HDP stay white. For cold rooms specify the food-contact grade and state whether the back face is also washed.

SANDWICH-PANEL SKINS IN RAL 9016

Skin	Gauge	Panel	Note
Flat / lightly ribbed	0.40–0.50 mm	cold-room and freezer panels, PIR 60–200 mm	cam-lock joints, food-contact PE
Micro-ribbed	0.45–0.60 mm	wall and ceiling panels	hides waviness on long panels
Box-profiled	0.50–0.60 mm	partition walls, clean rooms	PVDF for chemical washdown
Inner liner	0.40–0.50 mm	roof and wall panels	9016 inside, colour outside
Door and cabinet blanks	0.50–0.70 mm	cold-room doors, cabinets	slit to width, film both sides

All from the same coil batch on request so ceiling, wall and door panels match.

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	stock — clean-room, doors
0.70 mm	1 250 mm coil	to order — heavy doors, truck bodies
PVDF / food-contact PE	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