

Technical Data Sheet

EGR Essentials Waterproof Core (WPC) carcass panel is a practical, ready-to-use solution for light-duty cabinetry in wet and humid environments, including bathrooms, laundries, and covered outdoor areas with limited heat exposure. The panel features a multilayer construction, combining a water-resistant core with durable vinyl outer skins. This construction provides resistance to water ingress, consistent machinability, and reliable screw holding performance for everyday cabinetry use.

EGR Essentials 16mm Waterproof Core (WPC) Carcass Panel	
Face Surface	White textured vinyl skin
Back Surface	White textured vinyl skin
Core Material	Polymer Waterproof Core
Bonding System	Multilayer construction

Property	Specification	Test Method
Physical & Dimensions		
Density	730kg/m ³	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	16mm Nominal	EN 324-1
Board Weight	11kg/m ²	EN 323
Mechanical		
MOR	≥ 9 MPa	EN 310
MOE	≥ 630 MPa	EN 310
Tensile Strength	≥ 5.5 MPa	ASTM D3500
Screw Retention – Face	≥ 600 N	ISO 13894-1
Screw Retention – Edge	≥ 600 N	ISO 13894-1
Surface		
Colour Tolerance	Solid Colours, dE ≤ 2	ASTM D 2244
Gloss Level	≤ 10 GU	ASTM D 523 (60 °)
Surface Hardness	≥ 6H	ASTM D3363
Resistance to surface indentation	≥ 6Kg-f	ASTM D5420
Schauder Hardness – Face	≥ 60D	ASTM D2240
Schauder Hardness – Edge	≥ 20D	ASTM D2240
Resistance to stains	≥ Rating 2	EN 438-2
Resistance to wet conditions	≥ Rating 5	EN 438-2
Quality		
Surface defects	6 specks ≤ 0.5 mm 6 dimples or raised < 3 mm No pin holes > 0.2 mm	Visual Assessment EGR Method
Deviation to flatness	≤ 3 mm/meter any direction	ISO 13894-1
Resistance to water (edge swell 72hrs)	≤ 1%	ISO 13894-1
Resistance to water (water absorption 72hrs)	≤ 1%	ISO 13894-1
Resistance to submersion in water	Withstands full submersion up to 45 days under ambient conditions	EGR Internal Method
Limitations		
	Not suitable for direct or indirect sunlight exposure Colour variation from UV is not covered under warranty Do not expose to temperatures above 70°C	