EGR DECOR

StyleLex®

Technical Data Sheet

16mm Carcass Lightweight Plywood (LW)

Australia & New Zealand

May 2026

EGR Carcass Lightweight Plywood (LW)

EGR Carcass Lightweight Plywood (LW) is a practical lightweight panel for cabinetry and joinery applications. It uses a Falcata plywood core with textured HPL surfaces bonded to both sides, providing good strength, durability, screw holding, and moisture resistance while reducing overall weight. Typical applications includes cabinet carcasses, internal joinery, and structural components in caravans and recreational vehicles (RVs).

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FACE SURFACE	BACK SURFACE	CORE MATERIAL	CONSTRUCTION
Texture White HPL	Texture White HPL	Lightweight Falcata Plywood	7-layer plywood structure

PROPERTY	SPECIFICATION	TEST METHOD
Physical & Dimensional Properties		
Density	450 kg/m^3	EN 323
Board Length	2440mm	EN 324-1
Board Width	1220mm	EN 324-1
Board Thickness	16mm nominal	EN 324-1
Board Weight	≤ 7kg/m^2	EN 323
Mechanical Performance		
MOR	≥ 30 MPa	EN 310
MOE	≥ 3000 MPa	EN 310
Screw Retention - Face	≥ 800 N	ISO 13894-1
Screw Retention - Edge	≥ 800 N	ISO 13894-1
Surface Performance		
Colour Tolerance	Solid Colours, dE ≤ 2	ASTM D 2244
Gloss Level	10 - 30 GU (60°)	ASTM D 523
Resistance to surface wear	≥100 Rev	EN 438-2
Resistance to impact	≥ 20N	EN 438-2
Resistance to scratching	≥ Rating 4	EN 438-2
Resistance to wet heat at 100°C	≥ Rating 4	EN 438-2
Resistance to dry heat at 160°C	≥ Rating 4	EN 438-2
Resistance to stains	Rating 5 Group I & II Rating 4 Group III	EN 438-2
Resistance to light fastening (Xenon-arc)	≥ Gray Scale Rating 4 - Contrast	EN 438-2
Quality & Durability		
Surface bond strength	≥ Rating 4	ISO 13894-1
Deviation to flatness	≤ 3 mm/meter any direction	ISO 13894-1
Resistance to water (edge swell 24 hrs.)	≤ 5%	EN 317
Formaldehyde Emission	E1 ≤ 1.0 mg/L	JPIC A 1460 / EN 717

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