StyleLex®

Technical Data Sheet

StyleLex Laminate Carcass Panel

Australia & New Zealand

Designed to specify.

October 2026

TECHNICAL DATA SHEET

StyleLex 16mm Laminate Carcass Panel

StyleLex 16mm Laminate Carcass Panel is a durable cabinetry panel for wet areas and covered outdoor applications. Built with a weatherproof composite core (WCC) and textured HPL surfaces, it offers excellent moisture resistance, rigidity, and long-term durability.
Suitable for cabinet carcasses, shelving, and internal cabinetry components in alfresco kitchens, laundries, mudrooms, and other high-moisture applications.

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FACE SURFACE	BACK SURFACE	CORE MATERIAL	BONDING SYSTEM
White or Black Textured HPL	White or Black Textured HPL	Weatherproof Composite Core (WCC)	PUR Reactive Hot-Melt Adhesive

PROPERTY	SPECIFICATION	TEST METHOD
Physical & Dimensions		
Density	700 kg/m3	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	16mm Nominal	EN 324-1
Board Weight	11 kg/m2	EN 323
Mechanical		
MOR	≥ 30 MPa	EN 310
MOE	≥ 800 MPa	EN 310
Screw Retention - Face	≥ 800 N	ISO 13894-1
Screw Retention - Edge	≥ 700 N	ISO 13894-1
Surface		
Colour Tolerance	Solid Colours, dE ≤ 2	ASTM D 2244
Gloss Level	≤ 10 GU	ASTM D 523 (60 o)
Surface Hardness	≥9H+	ASTM D3363
Resistance to surface indentation	≥7Kg-f	ASTM D5420
Schauder Hardness - Face	≥90D	ASTM D2240
Schauder Hardness - Edge	≥20D	ASTM D2240
Resistance to surface wear	≥150 Rev	EN 438-2
Resistance to impact	≥ 20N	EN 438-2
Resistance to scratching	≥ Rating 3	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 5 Group III	EN 438-2
Resistance to water vapour	≥ Rating 5	EN 438-2
Resistance to boiling water	≥ Rating 4	EN 438-2
Resistance to light fastening (Xenon-arc)	≥ Gray Scale Rating 4 - Contrast	EN 438-2
Quality		
Surface defects	≤ 1mm2/m2 – Spots ≤ 10mm/m2 – Liner	EN 438-2
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.)	≤ 1%	ISO 13894-1
Resistance to elevated T° (short term)	No visible change after 1 hour at 80°C.	ISO 13894-1
Resistance to elevated T° (long term)	No visible change after 16 hours at 80°C.	ISO 13894-1
Resistance to water vapor	No visible change after 1 hour exposure	ISO 13894-1
Resistance to climate shock	No visible change after 6 cycles of 4 hours at 80°C followed by 4 hours at -10°C.	EGR Internal Method
Resistance to submersion in water	Withstands full submersion up to 7 days under ambient conditions	EGR Internal Method

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