StyleLex®

Technical Data Sheet

StyleLex ABS Carcass Panel

Australia & New Zealand

Designed to specify.

October 2026

TECHNICAL DATA SHEET

StyleLex 18mm ABS Carcass Panel

StyleLex ABS carcass panel is a versatile cabinetry panel for wet areas and covered outdoor applications. Built with a weatherproof composite core (WCC) and ABS acrylic surfaces, it offers excellent moisture resistance, durability, and design flexibility. Suitable for cabinet carcasses, shelving, and internal cabinetry components in alfresco kitchens, laundries, mudrooms, and other high-moisture applications. Available in paintable and pre-finished coloured options.

StyleLex 18mm ABS Carcass Panel

FACE SURFACE	BACK SURFACE	CORE MATERIAL	BONDING SYSTEM
White and coloured textured ABS sheets	White and coloured textured ABS sheets	Weatherproof Composite Core (WCC)	PUR Reactive Hot-Melt Adhesive

PROPERTY	SPECIFICATION	TEST METHOD
Physical & Dimensions		
Density	685kg/m3	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	18mm Nominal	EN 324-1
Board Weight	12kg/m2	EN 323
Mechanical		
MOR	≥ 30 MPa	EN 310
MOE	≥ 800 MPa	EN 310
Screw Retention - Face	≥ 700 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	H	ASTM D3363
Resistance to surface indentation	≥6Kg-f	ASTM D5420
Schauder Hardness - Face	≥60D	ASTM D2240
Schauder Hardness - Edge	≥20D	ASTM D2240
Erichsen Hardness	≥0.2N	ISO 4586-2
Resistance to stains	≥ Rating 3	EN 438-2
Resistance to steam	≥ Rating 5	EN 438-2
Resistance to boiling water	≥ Rating 4	EN 438-2
Resistance to wet conditions	≥ Rating 4	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
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 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 30 days under ambient conditions	EGR Internal Method

Limitations

- Not suitable for direct or indirect sunlight exposure
- Colour variation due to UV exposure is not covered under warranty
- Do not expose to temperatures above 70°C

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