

Technical Data Sheet

StyleLex ABS carcass panels combine a durable, weatherproof composite core (WCC) with a high-quality ABS acrylic surface, bonded using an advanced PUR reactive hotmelt system. Ideal for carcass use in covered outdoor and interior wet areas –such as cabinet frames, kickboards, base frames and drawer panels– they meet the relevant sections of AS/NZS 4386 and include a limited 7-year warranty.

StyleLex ABS Carcass Panel	
Face Surface	Textured ABS/acrylic sheet
Back Surface	Textured ABS/acrylic sheet
Core Material	Weatherproof Composite Core (WCC)
Bonding System	Advanced PUR reactive hotmelt system

Property	Specification	Test Method
Physical & Dimensions		
Density	650kg/m ³	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	16mm Nominal* 18mm Nominal	EN 324-1
Board Weight	11kg/m ² – 16mm* 12kg/m ² – 18mm	EN 323
Mechanical		
MOR	≥ 30 MPa	EN 310
MOE	≥ 800 MPa	EN 310
Screw Retention – Face	≥ 800 N	EN 320
Screw Retention – Edge	≥ 700 N	EN 320
Thickness Swell 24 hrs	≤ 1%	EN 317
Surface		
Colour Tolerance	Solid Colours, dE ≤ 2	ASTM D 2244
Gloss Level	≤ 10 GU	ASTM D 523 (60 °)
Surface Hardness	H	ASTM D3363
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 to 5	EN 438-2
Resistance to wet conditions	≥ Rating 4 to 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
Surface bond strength	≥ Rating 4 to 5	ISO 13894-2
Deviation to flatness	≤ 3 mm/metre in any direction	ISO 13894-2
Resistance to elevated T° (short term)	No noticeable change	ISO 13894-2
Resistance to submersion in water	Withstands full water submersion under normal ambient conditions for up to 30 days with no change	EGR Method

*The 16mm ABS carcass panel is specifically designed for drawer bases to ensure compatibility with most hardware systems on the market