

Technical Data Sheet

StyleLex HPL carcass panels combine a durable, weatherproof composite core (WCC) with a premium white HPL 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 base panels–they meet the relevant sections of AS/NZS 4386 and include a limited 7-year warranty.

StyleLex HPL Carcass Panel	
Face Surface	Premium white HPL
Back Surface	Premium white HPL
Core Material	Weatherproof Composite Core (WCC)
Bonding System	Advanced PUR reactive hotmelt system

Property	Specification	Test Method
Physical & Dimensions		
Density	685 kg/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	11 kg/m ²	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 °)
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	≤ 1mm ² /m ² – Spots ≤ 10mm ² /m ² – Liner	EN 438-2
Surface bond strength	≥ Rating 4	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 7 days with no change	EGR Method
Fire Performance		
Reaction to fire *	M1 Material Group No 3	NF P92-507 AS/NZS 3837-1998

* Based on the test report for Stylelex face panels.