Technical Data Sheet

StyleLex is a high-performance panel system designed for covered exterior and interior wet-area applications. The construction integrates a weather-resistant composite core (WCC) with a UV-stable HPL surface using advanced PUR reactive hot-melt technology, delivering long-term durability and a clean, integrated cabinetry finish. Typical uses include cabinet doors, drawer fronts, and decorative face panels used in alfresco kitchens, outdoor entertainment spaces, laundry areas, mudrooms, and similar high-moisture applications.

StyleLex Face Panel	
Face Surface	Premium UV-resistant High Pressure Laminate (HPL)
Back Surface	Premium UV-resistant High Pressure Laminate (HPL)
Core Material	Weatherproof Composite Core (WCC)
Bonding System	Advanced PUR Reactive Hot-Melt Adhesive System

Property	Specification	Test Method
Physical Properties & Dimensions		
Density	700kg/m3	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	18mm Nominal	EN 324-1
Board Weight	13kg/m2	EN 323
Mechanical Performance		
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 Performance		
Colour Tolerance	Solid Colours, dE ≤ 2 Woodgrains, visual match to master	ASTM D 2244 Visual assessment
Gloss Level	≤ 10 GU (60°)	ASTM D 523 (60 °)
Resistance to surface wear	≥ 150 Cycles	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 4 Group III	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
Resistance to light fastening (Xenon-arc)	≥ Gray Scale Rating 4 (Contrast)	EN 438-2
Resistance to UV Light	≥ Rating 3 (Contrast) ≥ Rating 4 (Appearance)	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
Fire Performance		
Reaction to fire	Material Group No 3	AS/NZS 3837