

Technical Data Sheet

StyleLex Face Panels are a premium decorative panel solution designed for interior wet areas and covered outdoor (alfresco) applications. The system combines a weather-resistant composite core (WCC) with a UV-stable High Pressure Laminate (HPL) surface, bonded using advanced PUR reactive hot-melt technology for strong, durable performance. Engineered for demanding environments, StyleLex delivers a high-quality cabinetry finish with excellent resistance to moisture, UV exposure, and everyday wear. Typical uses include cabinet doors, drawer fronts, and decorative face panels for 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/m ³	EN 323
Board Length	2400mm	EN 324-1
Board Width	1200mm	EN 324-1
Board Thickness	18mm Nominal	EN 324-1
Board Weight	13kg/m ²	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°)
Surface Hardness	≥ 9H+	ASTM D3363
Resistance to surface indentation	≥ 10Kg-f	ASTM D5420
Resistance to surface wear	≥ 150 Cycles	EN 438-2
Resistance to scratching	≥ Rating 3	EN 438-2
Resistance to stains	Rating 5 Group I & II Rating 4 Group III	EN 438-2
Resistance to wet conditions	≥ Rating 4	EN 438-2
Resistance to UV Light	≥ Rating 3 (Contrast) ≥ Rating 4 (Appearance)	EN 438-2
Resistance to light fastening (Xenon-arc)	dE ≤ 2.5 after 5000hrs.	EN 4892-3 (QUV-340)
Quality		
Surface defects	≤ 1mm ² /m ² - Spots ≤ 10mm/m ² - 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