

Laminex®

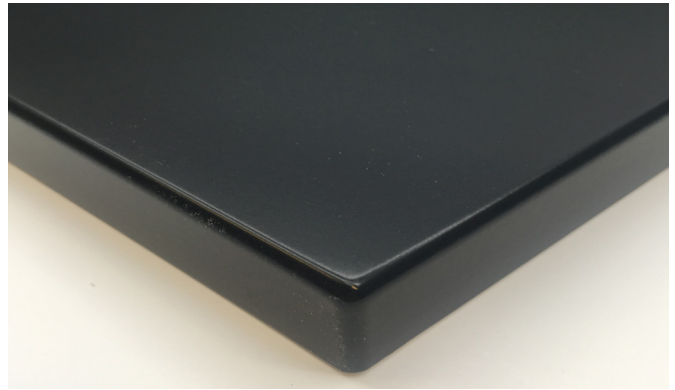
FormWrap® Doors & Panels Technical Data Sheet

Summary

Laminex FormWrap Doors and Panels are available in a range of colours and designs, each manufactured from specialty Moisture Resistant E0 Medium Density Fibreboard (MDF) and covered with a thermoformable vinyl to provide an easy-clean durable surface.

Applications

- Kitchen
- Bathroom
- Laundry
- Commercial fit-outs



Functional Benefits



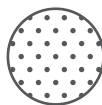
Vertical
Application



Stain
Resistant



Water
Resistant



Tactile



UV Stable
Indoor Use

Product Characteristics

Attribute	Description
Product Category	Componentry
Substrate Type	Ultracraft™ Moisture Resistant E0 MDF – for Thermoforming
Sheet Size (nominal)	Made-to-Measure
Thickness (nominal)	18mm
Weight (Kg/m ² approx.)	14.5
Finish	Gloss, Satin, Super Matte & Fine Texture
Colour/Pattern	To view the full range, please visit www.laminex.com.au

Surface Performance (Tested to ISO 4586-2)

Attribute	Minimum Values		
Lightfastness	Contrast: Grey scale rating ≥ 4 When tested in contrast with Blue wool 6 Ref: ISO 105-A02		
Resistance to scratching	Super Matte and Fine Texture	Satin	Gloss
	Rating = 3 (Force ≥ 2 Newton)	Rating = 2 (Force ≥ 1 Newton)	Rating = 1 (Force < 1 Newton)

Surface Performance (Tested to AS/NZS 4266.2)

Attribute	Minimum Values
Surface Water Absorption	≤ 10 g/m ²
Porosity	Appearance rating not worse than 3 <i>Moderate staining</i>
Resistance to Steam	Appearance rating not worse than 3 <i>Moderate swelling</i>
Heat Resistance of Film	≤ 0.5mm
Resistance to Staining	Rating ≤ 2 <i>Faint stain left on surface</i>
Colour Variation ISO 105-A05	Surface material "batch to batch" colour variation of ΔE ≤ 1

Adhesion Performance

Attribute	Tested to	Unit	Minimum Values
Glue Bond Durability	AS/NZS 4266.2 Section 14	Visual Assessment	No glue-line separation
Bond Strength	AS/NZS 4266.2 Section 13	MPa	≥ 0.9

Substrate Performance (Tested to AS/NZS 1859.2)

Attribute	Units	Typical Values [#]
		18mm
Thickness Tolerance	mm	±0.3
Density	Kg/m ³	805 ± 20
Internal Bond	MPa	1.25 - 1.4
Modulus of Rupture	MPa	44.5 - 48
Modulus of Elasticity	MPa	3300 - 3800
Surface Soundness	MPa	1.6 - 1.9
Screw Holding, Face	Force N	1100 - 1400
Screw Holding, Edge	Force N	1000 - 1300
Thickness Swell (24hr)	%	4 - 5
Wet Bending Strength (Method A)	MPa	8 - 10
Formaldehyde	mg/L	E0 ≤ 0.5

[#]Table contains representative values only. Performance variation outside stated typical values does not constitute a product failure.

Specialty Performance

Attribute	Tested to	Typical Values	
Fire Hazard Properties	Cone calorimeter AS/NZS 3837 <i>(In accordance to AS5637.1)</i>	Group Number	3
		Average Specific Extinction Area (ASEA)	49.8 m ² /Kg

Emissions & Environmental Performance

Attribute	Tested to	Unit	Minimum Values
Formaldehyde	AS/NZS 1859.2	mg/L	E0 ≤ 0.5
Volatile Organic Compounds (VOC)	ASTM D5116	mg/m ² /h	≤ 0.5

Important Information

Note	Details		
Ⓜ ONLY use for internal applications	Claims arising from non-internal applications are not covered under warranty		
Ⓜ ONLY use for vertical applications	Claims arising from horizontal applications are not covered under warranty		
Ⓜ DO NOT expose to prolonged direct or indirect UV light	Claims arising from prolonged exposure to UV light (natural or artificial sources) resulting in shrinkage and/or colour changes beyond the tolerances stated in this document, are not covered under warranty		
Ⓜ DO NOT use for high impact or high traffic installations	Claims arising from high impact or high traffic installations are not protected under warranty		
Ⓜ DO NOT allow heat, hot gases or moisture to contact doors or panels	Claims arising from frequent or excessive exposure to heat or moisture are not covered under warranty		
	Claims arising from damage due to front venting oven installations without a heat deflector shield are not covered under warranty		
	Claims arising from damage due to fugitive heat or moisture leaking from appliance seals are not covered under warranty		
	Claims arising from the use of benchtop hot plates without exhaust fan activation or use of an ineffective extraction, are not covered under warranty		
	Claims arising from damage due to hot objects, such as saucepans or irons, contacting the decorative surface, are not covered under warranty		
Ⓜ DO NOT expose to humidity fluctuations	Claims arising from bow, warp or twisting are not covered by warranty		
Ⓜ DO NOT mix different surface materials within a single installation	Claims arising from colour variation, including products with different UV or aging stabilities, are not covered under warranty		
Ⓜ ONLY use recommended Care & Maintenance methods	Claims arising from staining or damage attributable to not following Care & Maintenance instructions, are not covered under warranty		
Ⓜ ONLY use recommended hinge quantities	Claims arising from bow, warp or twisting due to too few hinges or inappropriate door sizes or weights, are not covered under warranty		
	Door Height (mm)	Door Weight (Kg)	No. of Hinges
	≤ 900 mm	≤ 9 Kg	2
	≤ 1600 mm	≤ 15 Kg	3
	≤ 2000 mm	≤ 19 Kg	4
≤ 2400 mm	≤ 23 Kg	5	
Ⓜ DO NOT use large one-piece pocket routed door or panel designs	Claims arising from dimensional bowing, twisting or warpage due to the omission of either a central rail or split door construction, are not covered under warranty.		
Ⓜ DO NOT modify or alter the door or panel	Claims arising from any alteration to the decorative face or panel that results in poor adhesion or general surface failure, are not covered under warranty		
Ⓜ DO NOT cut down panels	Claims arising from the effect of heat or moisture ingress attributable to exposed edges of cut down panels, are not covered under warranty		
Ⓜ DO NOT use scribed wall panels with unsealed edges	Claims arising from the effect of heat or moisture ingress attributable to unsealed or poorly sealed scribed wall panel edges, are not covered under warranty		
Ⓜ DO NOT install FormWrap doors or panels in northern regions	Claims for product installations above the latitude of -26.383 degrees (latitude equivalent to Noosa Heads Queensland), are not covered under warranty		

Ⓜ Denotes specific warranty conditions apply