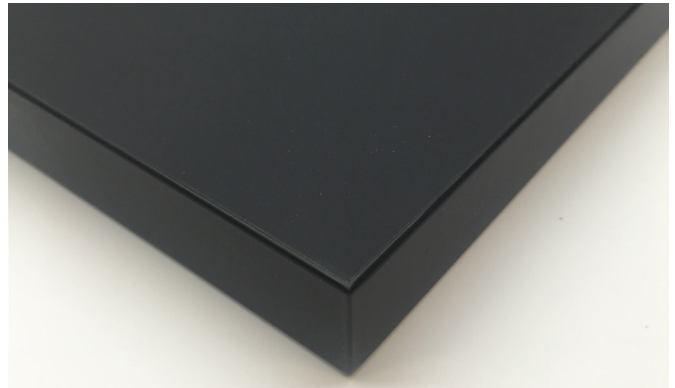


DesignEdge™ Doors and Panels - AbsoluteMatte® Panels Technical Data Sheet

Summary

Laminex DesignEdge Doors and Panels are available in a range of colours and designs, each manufactured from Moisture Resistant E0 Medium Density Fibreboard (MDF), with an easy-clean durable AbsoluteMatte surface.



Applications

- Kitchen
- Bathroom
- Commercial fit-outs
- Laundry

Functional Benefits



Vertical Application



Fingerprint Resistant



Stain Resistant



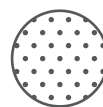
Heat Resistant



Water Resistant



Scratch Resistant



Tactile



UV Stable Indoor Use



Low Maintenance

Product Characteristics

Attribute	Description
Product Category	Componentry
Substrate Type	Moisture Resistant E0 MDF
Sheet Size (nominal)	Made-to-Measure
Thickness (nominal)	18mm
Weight (Kg/m ² approx.)	13.1
Finish	AbsoluteMatte
Colour/Pattern	To view the full range, please visit www.laminex.com.au

Surface Performance (Tested to ISO 4586-2)

Attribute	Minimum Values
Resistance to Surface Wear	Initial wear ≥ 150 cycles. Average wear ≥ 350 cycles
Resistance to Scratching	Rating = 3 (Force ≥ 2 Newton)
Resistance to Dry Heat at 180°C	Appearance rating not worse than 3 <i>Moderate change of gloss and/or colour</i>
Resistance to Wet Heat at 100°C	Appearance rating not worse than 4 <i>Slight change of gloss and/or colour, only visible at certain viewing angles</i>
Resistance to Steam	Appearance rating not worse than 3 <i>Moderate change of gloss and/or colour</i>
Resistance to Impact by Small Diameter Ball	Force ≥ 20 Newton

Surface Performance (Tested to ISO 4586-2)

Attribute	Minimum Values		
Lightfastness	Contrast: Grey scale rating ≥ 4 <i>When tested in contrast with Blue wool 6 Ref: ISO 105-A02</i>		
Resistance to Staining	Groups 1 & 2	Acetone Coffee (120g of coffee per litre of water)	Appearance rating not worse than 5 <i>No visible change</i>
	Group 3	Sodium hydroxide (25% solution) Hydrogen peroxide (30% solution) Shoe polish	Appearance rating not worse than 4 <i>Slight change of gloss and/or colour, only visible at certain viewing angles</i>
Gloss Level at 60° angle <i>AS/NZS 1580.602.2</i>	≤ 8 gloss units		
Colour Variation <i>ISO 105-A05</i>	Surface material "batch to batch" colour variation of $\Delta E \leq 1$		

Adhesion Performance

Attribute	Tested to	Unit	Minimum Values
Crosscut Adhesion	AS/NZS 1580.408.2	%	≤ 10
Bond Strength	AS/NZS 4266.2 Section 13	MPa	> 0.6

Substrate Performance (Tested to AS/NZS 1859.2)

Attribute	Units	Typical Values [#]	
		18mm	
Thickness Tolerance	mm	± 0.3	
Density	Kg/m ³	720 \pm 20	
Internal Bond	MPa	0.7 - 1.0	
Modulus of Rupture	MPa	33 - 38	
Modulus of Elasticity	MPa	2800 - 3100	
Surface Soundness	MPa	1.2 - 1.5	
Screw Holding, Face	Force N	1100 - 1400	
Screw Holding, Edge	Force N	1000 - 1300	
Thickness Swell (24hr)	%	5.7 - 8.2	
Wet Bending Strength (Method A)	MPa	5 - 6	
Formaldehyde	mg/L	E0 \leq 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)	25.3 m ² /Kg
Fingerprint Resistance	Laminex Internal Method	Functional Surface material DOES contain Fingerprint Resistance functionality. <i>Note: Balancing backer material DOES NOT contain Fingerprint Resistance functionality.</i>	

Emissions & Environmental Performance

Attribute	Tested to	Unit	Minimum Values
Formaldehyde	AS/NZS 1859.2	mg/L	E0 \leq 0.5
Volatile Organic Compounds (VOC)	ASTM D5116	mg/m ³ /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 view surface when illuminated by a diffused, non-critical light that is not glancing or parallel to the surface	Minor variations in the surface finish that are only visible at an acute viewing angle, or under critical light, will not be 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															
	<table border="1"> <thead> <tr> <th>Door Height (mm)</th> <th>Door Weight (Kg)</th> <th>No. of Hinges</th> </tr> </thead> <tbody> <tr> <td>≤ 900 mm</td> <td>≤ 9 Kg</td> <td>2</td> </tr> <tr> <td>≤ 1600 mm</td> <td>≤ 15 Kg</td> <td>3</td> </tr> <tr> <td>≤ 2000 mm</td> <td>≤ 19 Kg</td> <td>4</td> </tr> <tr> <td>≤ 2400 mm</td> <td>≤ 23 Kg</td> <td>5</td> </tr> </tbody> </table>	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
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Ⓜ 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															

Ⓜ Denotes specific warranty conditions apply