

Laminex®

Fireguard® Décor

Technical Data Sheet

Summary

Laminex Fireguard Décor is an Australian Made Medium Density Fibreboard (MDF) with a National Construction Code Group 2 fire performance rating, both sides with a hard wearing melamine surface. Laminated both sides with a readily identifiable grey dyed core, Laminex Fireguard® Décor can be machined using conventional woodworking tools.



Applications

- Wall Linings
- Office Furniture
- Ceiling Linings
- Shelving
- Storage Units



Fire Resistant



Light Duty Horizontal



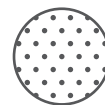
Vertical Application



Stain Resistant



Heat Resistant



Tactile



UV Stable Indoor Use



Low Maintenance



Dimensional Stability

Product Characteristics

Attribute	Description
Product Category	Low Pressure Melamine
Substrate Type	Fire Resistant Moisture Resistant E1 MDF (grey dyed core)
Sheet Size (nominal)	2400mm x 1200mm, 3600mm x 1200mm
Thickness (nominal)	12mm 18mm
Weight (Kg/m ² approx.)	9.5 14.0
Finish	Natural, Flint, Chalk & Nuance
Colour/Pattern	To view the full range, please visit www.laminex.com.au

Surface Performance (Tested to AS/NZS 4266.1)

Attribute	Minimum Values
Thickness	±0.6mm
Length and Width	+5mm/-5mm maximum deviation
Squareness	≤2mm/m maximum deviation
Flatness	1.5mm/m maximum deviation (measured in horizontal)

Surface Quality (Tested to AS/NZS 4266.2)

Attribute	Measurement
Inspection Guidelines	Viewing distance 1.5m from decorative surface Light intensity approximately 800 to 1000 lx at the decorative surface Using normal vision, corrected if necessary. No magnification devices
Dirt, Spots & Similar Surface Defects	The admissible size of defects is based on a maximum contamination area equivalent to 1.0mm ² /m ² and is proportional to the sheet size under inspection The total admissible area of contamination may be concentrated in one spot or dispersed over an unlimited amount of smaller defects
Fibres, Hairs & Scratches	The admissible size of defects is based on a maximum contamination length equivalent to 10mm/m ² and is proportional to the sheet size under inspection The total admissible length of contamination may be concentrated in one defect or dispersed over an unlimited amount of smaller defects

Surface Adhesion Performance (Tested to AS/NZS 4266.2)

Attribute	Measurement
Bond Strength	≥ 1.3MPa

Surface Performance (Tested to AS/NZS 4266.2)

Attribute	Measurement
Resistance to Surface Abrasion	Solid colours: Average wear ≥ 300 cycles Printed patterns: Average wear ≥ 40 cycles
Resistance to Scratching	Smooth finish ≥ 2N, Textured finish ≥ 4N
Porosity	Appearance rating not worse than 3
Resistance to Steam	Appearance
Resistance to Cracking	Appearance rating not worse than 3 Moderate swelling
Resistance to Staining	Rating ≤ 2 Faint stain left on surface
Lightfastness (Tested to ISO 4586-2)	Contrast: Grey scale rating ≥ 4 When tested in contrast with Blue wool 6 ref: ISO 105-A02
Colour Variation ISO 105-A05	Surface material "batch to batch" colour variation of E ≤ 1

Substrate Performance (Tested to AS/NZS 4266.1)

Attribute	Units	Measurement	
		12mm-18mm	
		Minimum Values	Typical Values [#]
Density	Kg/m ³	-	800± 20
Internal bond	MPa	0.5	0.7
Modulus of Rupture	MPa	26	28
Modulus of Elasticity	MPa	2000	3000
Surface Soundness	MPa	-	1.1
Thickness Swell (24hr)	%	<9	5
Formaldehyde	mg/L	E1 ≤ 1.0	E1 ≤ 1.0

[#]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	AS/ISO 9705 (In accordance to AS5637.1)	Group Number	2
		Smoke Growth Rate Index (SMOGRARC)	<100 m ² /s ² x 1000

Emissions & Environmental Performance

Attribute	Tested to	Units	Typical Values#
Formaldehyde	AS/NZS 1859.2	mg/L	E1 ≤ 1.0

Important Information

Note	Details
Ⓜ ONLY use for internal applications	Claims arising from non-internal applications are not recognised 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 colour changes beyond the tolerances stated in this document, are not covered under warranty
Ⓜ DO NOT use in high impact or high surface durability applications	Claims arising from high impact or high surface durability applications are not covered under warranty
Ⓜ DO NOT use decorative face as a cutting surface	Claims arising from physical damage of the decorative surface are not covered under warranty
Ⓜ DO NOT use in installations where a Group 1 fire resistant product is required	Claims arising from use in an installation where a Group 1 fire resistant product is required, are not covered under warranty
Ⓜ DO NOT mix decorated panels of different coloured core substrates	Claims arising from colour variation between decorative surfaces of grey dyed and brown core substrates are not covered under warranty

Ⓜ Denotes specific warranty conditions apply