

Laminex®

Fireguard® Décor

Technical Data Sheet

Summary

Laminex Fireguard Décor is a Group 2 fire rated Medium Density Fibreboard MDF bonded on both sides with a hardwearing melamine surface. It can be machined using conventional woodworking tools and has a readily-identifiable red dyed core.

Applications

- Wall Lining
- Office Furniture
- Cabinetry
- Shelving
- Storage Units



Functional Benefits



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 Standard E1 MDF (red dyed core)
Sheet Size (nominal)	2400mm x 1200mm, 3050mm x 1200mm
Thickness (nominal)	12mm / 18mm
Weight (Kg/m ² approx.)	9.2 / 13.5
Finish	Natural, Flint, Chalk & Nuance
Colour/Pattern	To view the full range, please visit www.laminex.com.au

Surface Performance (Tested to AS/NZS 1859.3)

Attribute	Minimum Values
Resistance to Surface Wear	Solid colours: Average wear ≥ 300 cycles Printed patterns: Average wear ≥ 40 cycles
Porosity	Rating ≤ 3
Steam Resistance	Appearance rating not worse than 3 <i>Moderate swelling</i>
Cracking Resistance	No visible cracks or micro cracks
Stain Resistance	Rating ≤ 2 <i>Faint stain left on surface</i>
Lightfastness (Tested to ISO 4586-2)	Contrast: Grey scale rating ≥ 4 <i>When tested in contrast with Blue wool 6 ref: ISO 105-A02</i>

Substrate Performance (Tested to AS/NZS 1859.2)

Attribute	Units	Typical Values [#]	
		12mm	18mm
Thickness Tolerance	mm	±0.2	±0.3
Density	Kg/m ³	770	750
Internal Bond	MPa	0.7	0.55
Modulus of Rupture	MPa	31	26
Modulus of Elasticity	MPa	3100	3000
Surface Soundness	MPa	0.9	1.0
Screw Holding, Face	Force N	N/A	730
Screw Holding, Edge	Force N	N/A	850
Thickness Swell (24hr)	%	<10.0	<10.0
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 (SMOGR _{ARC})	16.4 m ² /s ² x 1000

Emissions & Environmental Performance

Attribute	Tested to	Minimum Values	
Formaldehyde	AS/NZS 1859.2	mg/L	E1 ≤ 1.0
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 in dry applications	Claims arising from exposure to high humidity, damp conditions or accidental/routine wetting 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 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 red dyed and brown core substrates are not covered under warranty

Ⓜ Denotes specific warranty conditions apply