

Laminex[®]

Fireguard[®] MDF

Technical Data Sheet

Summary

Trade Essentials Fireguard[®] is an Australian Made Medium Density Fibreboard (MDF) with a National Construction Code Group 2 fire performance rating. With a readily identifiable grey dyed core, Trade Essentials Fireguard[®] can be machined using conventional woodworking tools.



Applications

- Wall Linings
- Wall Panels
- Ceiling Linings
- Laminating & veneering



Fire Resistant



Horizontal Application



Vertical Application



Impact Resistant



Dimensional Stability

Product Characteristics

Attribute	Description
Product Category	Raw Medium Density Fibreboard
Substrate Type	Fire Resistant Moisture Resistant E1 MDF (grey dyed core)
Sheet Size (nominal)	2400mm x 1200mm, 2700mm x 1200mm, 3000mm x 1200mm, 3600mm x 1200mm
Thickness (nominal)	9mm 12mm 18mm
Weight (Kg/m ² approx.)	7.0 9.5 14.0
Range	To view the full range, please visit www.laminex.com.au

Dimensional Tolerance (Tested to AS/NZS 4266.1)

Attribute	Measurement
Thickness	±0.3mm
Length and Width	+5mm/-5mm maximum deviation
Squareness	≤2mm/m maximum deviation
Flatness	1.5mm/m maximum deviation (measured in horizontal)

Substrate Performance (Tested to AS/NZS 4266.1)

Attribute	Units	Measurement			
		12mm		18mm	
		Minimum Values	Typical Values [#]	Minimum Values	Typical Values [#]
Density	Kg/m ³	-	770± 20	-	800± 20
Internal Bond	MPa	0.6	0.6	0.5	0.7
Modulus of Rupture	MPa	28	28	26	28
Modulus of Elasticity	MPa	2400	2800 - 3000	2000	3000
Surface Soundness	MPa	-	0.7 - 0.8	-	1.1
Thickness Swell (24hr)	%	<12.0	8 - 11	<9.0	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 <i>(In accordance to AS5637.1)</i>	Group Number	2
		Smoke Growth Rate Index (SMOGR _{ARC})	<100 m ² /s ² x 1000

Emissions & Environmental Performance

Attribute	Tested to	Minimum Values	
Formaldehyde	AS/NZS 1859.2	mg/L	E1 ≤ 1.0

Important Information

Note	Details
(W) ONLY use for internal applications	Claims arising from non-internal applications are not recognised under warranty
(W) 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 recognised under warranty

(W) Denotes specific warranty conditions apply