

Laminex Lamiwood MR[®]



Lamiwood is a moisture resistant fibreboard factory bonded with hardwearing melamine impregnated decorative paper to both sides, suitable for use in areas of high humidity or where accidental wetting may occur.

However, Lamiwood is a wood based panel and will react to changes in moisture as will natural timber, ie. high or low humidity may cause some expansion or contraction without any degradation to the strength of the board.

APPLICATIONS

Lamiwood is designed for interior use, such as kitchen cupboards, doors, bathroom vanities, laundry cupboards, shelving, wall panelling and all commercial and domestic furniture.

Lamiwood can be machined and face routed with all conventional wood working tools achieving clean sharp edges.

Lamiwood is available in most of the Laminex[®] range of colours, patterns and woodgrains.

DECORATIVE SURFACE PROPERTIES

Lamiwood, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3-1996 for surface properties.

RESISTANCE TO WEAR

Solid Colors
Typical results 600 cycles.

Prints and Woodgrains
Typical results 100 cycles.

RESISTANCE TO STEAM

No noticeable permeability effects.

ACOUSTIC PROPERTIES

(When tested to AS 1911-1985 Section A2-3 AS 1276-1979)

Thickness	STC Class
16mm	29 dB
25mm	31 dB
32mm	32 dB

FIRE HAZARD INDICES

(Typically achieved when tested to AS/NZS 1530.3-1989)

Indices	Result	Range
Ignitability	13	0-20
Spread of Flame	6	0-10
Heat Evolved	6	0-10
Smoke Developed	4	0-10

SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2-2001 Int.)						
Property	Unit	THICKNESS				
		9mm	12mm	16mm-18mm	25mm-32mm	
Board Density	kg/m ³	760	750	735	710	
Internal Bond	KPa	1000av.	1000av.	900av.	800av.	
Modulus of Rupture	MPa	42av.	42av.	40av.	35av.	
Modulus of Elasticity	MPa	3500av.	3500av.	3500av.	3200av.	
*Screw Holding – Face	N	N/A	N/A	800av.	800av.	
*Screw Holding – Edge	N	N/A	N/A	1400av.	1400av.	
Surface Soundness	MPa	1.0	1.2	1.6	1.8	
Moisture Content	%	6-9	6-9	6-9	6-9	
Thickness Swell 24 hr	%	10	8	6	5	
Moisture Resistance	Test	V313	V313	V313	MOR A	

* Values reflect new testing methods for screw holding properties in AS/NZS 4266.13-2001 (Int).

WEIGHT

Thickness	9mm	12mm	16mm	18mm	25mm	32mm
kg per m ²	7.0	9.0	11.9	13.4	18.0	23.0

SHEET SIZES AND THICKNESSES

Refer to the Laminex[®] Product Availability Chart.



FINISH

Flint, Natural.

INSULATION PROPERTIES

Thermal conductivity varies with thickness. Usual range is 0.05 to 0.08 kcal/Sec. °C.

DIMENSIONAL STABILITY

Length 0.4% **Thickness** 5.0% with changes from 35% Relative Humidity to 85% Relative Humidity (relative to datum point of 65% relative humidity).

MOISTURE RESISTANCE

Laminex Lamiwood MR® complies with moisture resistance properties as specified in AS/NZS 1859.2-2001 (Int). Refer to Substrate Properties table for details on Lamiwood MR®.

IMPORTANT NOTE

A slight variation exists between the flint finish on Laminex® melamine faced board products (Lamiwood MR®, Decorwood®, HD3® Decorated, Vertiboard®, Vertiboard MR, Structural and Contour® Doors) and the flint finish on Laminex® high-pressure laminate products.

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