

# Laminex Vertiboard MR®

Laminex Vertiboard MR is a moisture resistant particleboard, factory laminated on both sides with a hardwearing melamine decorative surface. The superior performance of Vertiboard MR is due to the bonding of the wood particles with a specially blended moisture resistant resin system.



LA-2008  
GECA 28-2006-  
Furniture and Fittings



## APPLICATIONS

Vertiboard MR® is suitable for use in the following applications: Kitchen cupboards, laundry cupboards, vanity units, shelving, wall linings, partitions, built-in furniture, all detail joinery where a moisture resistant decorative board is required. Vertiboard MR is also available in the lower formaldehyde emission level E0.

## COLOURS

A full range of colours, patterns and woodgrains are available. Please check your local branch for availability.

## FINISH

Flint, Natural, Satin.

## SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.1)

Specifications	Units	THICKNESS RANGE & TYPICAL VALUES			
		9-12mm	13-22mm	23-33mm	>33mm
Thickness Tolerance	mm	+/-0.2	+/-0.3	+/-0.3	+/-0.3
Density	kg/m <sup>3</sup>	660	640	610	630
Internal Bond	MPa	1.00	0.80	0.70	0.60
Modulus of Rapture	MPa	20.0	17.0	15.5	17.5
Modulus of Elasticity	MPa	2700	2300	2400	3000
Surface Soundness	MPa	2.0	1.6	1.6	1.7
Screw Holding, Face	N		700	800	800
Screw Holding, Edge	N		900	900	900
Thickness Swell (24hr)	%	<5	<6	<5	<5
Wet Bending Strength (Me)	MPa	5.5	4.5	4.5	5.5

\* Values reflect new testing methods for screw holding properties in AS/NZS 4266.13

In most instances the performance characteristics of the particleboard exceeds the minimum requirement of AS/NZS 1859. However for minimum property values refer to AS/NZS 1859.1.

## WEIGHT

Thickness	9mm	12mm	16mm	18mm	25mm	33mm
kg per m <sup>2</sup>	6.0	7.8	10.4	11.5	15.5	20.1

## MOISTURE RESISTANCE

Laminex Vertiboard MR complies with the Wet Cyclic Test for moisture resistance properties as specified in AS/NZS 1859.1. Refer to Properties table for details.

## RESISTANCE TO WEAR

### Solid Colors

Typical results >700 cycles.

### Patterns and Woodgrains

Typical results >150 cycles.

## DECORATIVE SURFACE PROPERTIES

When tested in approved manner complies with the relevant sections of AS/NZS 1859.3 ref to substrate surface properties table:

## RESISTANCE TO STEAM

No noticeable permeability effects.

## FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Result	Range
Ignitability	14	0-20
Spread of Flame	8	0-10
Heat Evolved	7	0-10
Smoke Developed	4	0-10

Cone Calorimeter AS/NZS 3837  
(Irradiance of 50kW/m<sup>2</sup>)

Classification	Result	Unit/Range
Group Number	3	1-3
Average Specific Extinction Area	61.2	m <sup>2</sup> / kg

## SHEET SIZES AND THICKNESSES

Refer to the Laminex Product Availability Chart.

## GREENfirst PRODUCT

Laminex Vertiboard MR E0 is a Greenfirst™ product and is certified by Good Environmental Choice Australia as environmentally preferable.

## IMPORTANT NOTE

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

## General Site Work Notes

Appendix 1. Handling & Product Application Guidelines Section 9:1

Laminate Product: Care & Maintenance Appendix 2. General Care and Maintenance, Section 9:2

## Board Product: Site Work Notes

Appendix 3. Handling & Product Application, Section 9:3

Greenfirst  
Section 3:1