

Laminex Vertiboard®

Laminex Vertiboard is a predecorated particleboard substrate with a hardwearing melamine surface on both sides.



APPLICATIONS

Vertiboard® can be used in all applications away from high humidity, such as wall units, built-in furniture, bedroom furniture, shelving and wall lining.

Vertiboard is also available in the lower formaldehyde emission level E0.

COLOURS

Vertiboard comes in a limited range of colours from the Laminex Commercial Palette.

SURFACE PROPERTIES

Vertiboard, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3 substrate properties as follows:

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 ³	660	640	610	580
Internal Bond	MPa	0.60	0.60	0.50	0.30
Modulus of Rapture	MPa	14.5	14.5	13.5	9.5
Modulus of Elasticity	MPa	2300	2200	2100	1700
Surface Soundness	MPa	1.0	1.2	1.2	0.9
Screw Holding, Face	N		600	600	600
Screw Holding, Edge	N		700	700	700
Thickness Swell (24hr)	%	<12	<12	<12	<12

* Values reflect new testing methods for screw holding properties in AS/NZS 4266.13-2001 (Int). In most instances the performance characteristics of the particleboard exceeds the minimum requirement of AS/NZS 1859.1-2001 (Int). However for minimum property values refer to AS/NZS 1859.1-2001 (Int).

WEIGHT

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

FINISH

Flint, Natural.

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/m²)

Classification	Result	Unit/Range
Group Number	3	1-3
Average Specific Extinction Area	61.3	m ² / kg

RESISTANCE TO WEAR

AS/NZS 1859.3 requires minimum performance of:

Solid Colors

Average > 300 cycles.

Patterns and Woodgrains

Average > 40 cycles.

RESISTANCE TO STEAM

No noticeable permeability effects.

SHEET SIZES AND THICKNESSES

3600 x 1800mm
18, 25, 33mm

THIRD PARTY CERTIFICATION

Laminex Vertiboard E0 is an ecospecifier Global GreenTag™ GreenRate Level A certified product and can contribute to Green Star® points.



In addition, Laminex Vertiboard E0 has achieved Australian Forestry Standard / Programme for Endorsement of Forest Certification Schemes (AFS/PEFC) Chain of Custody (CoC). This ensures that the timber is sourced from sustainably managed forests and accrues Timber Credits in the Green Star Materials Calculator.



IMPORTANT NOTE

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

Laminate Product: Care & Maintenance

Appendix 2. General Care and Maintenance
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Board Product: Site Work Notes

Appendix 3. Handling & Product Application
Section 9:3

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Section 3:1