

# 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 <sup>3</sup> | 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 <sup>2</sup> | 6.0 | 7.8  | 10.4 | 11.5 | 15.5 | 20.1 |

## FINISH

Natural, Flint, Riven, Nuance.

**Note:** Finish options depend on colour. Check availability guide for finish options.

## 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 | 61.3   | m <sup>2</sup> / 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  
Section 9:2

### Board Product: Site Work Notes

Appendix 3. Handling & Product Application  
Section 9:3

**Greenfirst**  
Section 3:1