

Laminex Structural MR[®] E0 MDF

Laminex Structural MR E0 MDF is a moisture resistant MDF, factory laminated on both sides with a hardwearing decorative melamine surface. New surface developments give Laminex Structural MR E0 MDF superior impact resistance together with the wear and abrasion properties approaching that of high-pressure laminate.



APPLICATIONS

Laminex Structural MR[®] E0 MDF is designed for both horizontal and vertical applications and has similar hardwearing attributes of standard laminates being resistant to normal wear and abrasion.

It is designed for interior applications such as: table tops, cupboard doors, built-in furniture, partitions, commercial shelving, office furniture, school desks and furniture and hospital fitouts.

Laminex Structural MR E0 MDF is offered in the lower formaldehyde emission level E0.

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	90.1	m ² / kg

SURFACE FINISH

Flint, Natural.

DECORATIVE SURFACE PROPERTIES

When tested in approved manner complies with the relevant sections of AS/NZS 1859.3 surface properties.

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.

RESISTANCE TO DRY HEAT

When Structural MR E0 MDF is exposed to temperature higher than 180°C, slight dulling of the surface may occur.

IMPACT RESISTANCE

Typically results: 40cm.

SHEET SIZES, THICKNESSES AND COLOURS

Refer to the Laminex Product Availability Chart.

GREENfirst PRODUCT

Structural MR E0 MDF is a Greenfirst product and is backed by AFS/PEFC Chain of Custody certification, meaning all certified wood products can be traced from processing to distribution, and are produced using legally-sourced wood fibres.

FABRICATION

With an MDF substrate, Structural MR E0 MDF will require the predrilling of all holes. It is recommended that the pilot hole be drilled with a 1mm smaller drill size than the nominal screw size eg. 10mm screw will require a 9mm wide pilot hole. This will assist in preventing splitting of the MDF substrate.

The depth of the pilot hole will depend on the screw depth, but should be equal or slightly greater. All holes should be no closer than 15mm to the edge of the sheet to ensure sufficient strength for load bearing or supporting sections.

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

Board Product: Shelf Loadings

Appendix 3. Handling & Product Application Section 9:3

Greenfirst

Section 3:1