

Class 1
Lakepine® Medium Density Fibreboard (MDF)
Building Products Information Requirements | Info. Sheet
Version: Trade Essentials® Lakepine® MDF | V1.1 | 15.09.23

Product names	Trade Essentials® Lakepine® E0 Trade Essentials® Lakepine® E0 MR Trade Essentials® Lakepine® E0 Light Trade Essentials® Lakepine® E0 Ultralight
Product line	N/A
Product identifier	Trade Essentials® Lakepine® E0 Trade Essentials® Lakepine® E0 MR Trade Essentials® Lakepine® E0 Light Trade Essentials® Lakepine® E0 Ultralight

Place of manufacture

Aotearoa New Zealand	✓
Overseas	

Product description

Lakepine® Medium Density Fibreboard (MDF) is an engineered wood product made by breaking down hardwood or softwood residuals into wood fibres, often in a defibrator. These wood fibres are combined with wax and a resin binder, when high temperature and pressure is applied, panels are formed.

Lakepine® MDF is available in the following types

lakepine® E0 MDF, Lakepine E0 MR MDF, Lakepine® E0 light and Lakepine® E0 Ultralight.

Lakepine® E0 is a low formaldehyde emitting MDF panel that meets the requirements of AS/NZS 1859 Part 2 for E0 which is classified as less than or equal to 0.5mg/L.

Lakepine® Medium Density Fibreboard has a density range of 600kg/m³ to 750kg/m³.

Key Technical Specifications

Standard sheet sizes are:

2440 x 1220 and 3360 x 1200, Refer to Lakepine Availability Guide for full list of sheet sizes.

Note: All dimensions and measurements are nominal.

Sheet tolerances – as per AS/NZS 1859.1:2017

- Length and width: +/-2.0mm
- Thickness: +/-0.2mm
- Squareness (maximum difference between diagonals): ≤2mm pre metre
- Straightness (maximum deviation from line): 1.5mm per metre
- Sanding grit: 180

Relevant building code clauses

- B1 Structure - B1.3.1, B1.3.2, B1.3.3 (j), B1.3.4
- B2 Durability: Performance B2.3.1 (c) 5 years.
- C3 Fire affecting areas beyond the fire source - C3.4 (a)
- F2 Hazardous building materials - F2.3.1

Contributions to compliance

Where MDF with a thickness of 9mm or greater is used as an interior wall lining & ceiling lining or where fire performance as detailed in NZBC Clause C - Protection from Fire, is required - please refer specifically to:

- C/AS2 -C3—fire affecting areas beyond the fire source C3.4 (a) Adequacy has been determined by applying the values in Table C1.2, Appendix C (normative): test methods

B2 Durability: Performance B2.3.1 (c) for 5 years When stored, handled, used and maintained in accordance with the LakePine[®] Technical Manual panels will meet these requirements.

Lakepine[®] MDF target properties are tested to JIS A 5905.

Scope of use

Lakepine[®] MDF is for interior use only. Common uses include:

- Kitchen units,
- Wall and ceiling linings (provided specific installation instructions are followed)

- Substrate for decorative overlays
- Furniture
- Shelving
- Benchtop substrate,
- Stairs
- Door skins

Lakepine® MDF as a wall lining can be fixed using mechanical fasteners and adhesive or a third party concealed mounting system. For fabrication and installation please refer to Lakepine® Technical Manual and / or the Melteca FR TDS.

Conditions of use

- Lakepine® MDF is **NOT** intended for exterior use.
- Lakepine® MDF is **NOT** intended for use in high humidity or wet applications such as saunas or shower/wash down rooms.
- Lakepine® E0 MDF product is not designed to get wet. As such the product must not be used in an external location. When used where accidental water spill can occur, all surfaces must be suitably sealed. Special care must be taken at the intersection of panels and accessories (hardware and edging etc.) to ensure moisture cannot penetrate the substrate.
- All faces and surfaces of Lakepine® E0 MR Products must be sealed or covered before service.
- Lakepine® MDF is not fire rated as part of a fire protected boundary or fire wall.

Supporting documentation

The following additional documentation supports the above statements:

Title (type)	Version	URL
Lakepine MDF Technical Manual	Edition 2.0 12.19	Click here
Lakepine Warranty	August 2021	Click here
Lakepine MDF SDS	7 October 2019	Click here

Contact details

Manufacture location (S.I. Whiteboard)	New Zealand
Legal and trading name of manufacturer	DAIKEN SOUTHLAND LIMITED
Manufacturer address for service	301 Pioneer Highway, RD4, Gore 9774
Manufacturer website	www.daikensouthland.co.nz
Manufacturer NZBN	9429038769917
Manufacturer email	salesdsl@daiken-nz.com

Manufacturer phone number	+64 3 2093160
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Distributor	New Zealand
Legal and trading name of distributor	Fletcher Building Products Limited (company number 952008), trading as Laminex [®] NZ.
Distributor address for service	810 Great South Road Auckland 1061
Distributor website	Laminex.co.nz
Distributor NZBN	9429037626969
Distributor email	CSC@laminex.co.nz
Distributor phone number	0800303606

Warnings and bans

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No
