

# Lakepine® MDF

Lakepine® MDF



- Trade Essentials® Lakepine® MDF is available in four grades:
  - Lakepine® is a standard medium density fibreboard (MDF) suitable for use in applications away from high humidity and is available in a large range of thicknesses from 3mm to 25mm.
  - Lakepine® Light is lighter in weight than standard MDF and maintains excellent strength quality, surface smoothness and stability.
  - Lakepine® MR is a highly moisture resistant MDF specifically developed to provide extra durability for furniture and joinery applications in interior areas subject to high humidity.
  - Lakepine® Zero™ is a low formaldehyde emitting MDF panel (E0) specifically developed for situations where lower formaldehyde emission levels are preferred.
- Lakepine® products have a homogenous nature, which results in relative consistency from surface to core with slightly higher density surfaces. These characteristics allow intricate and precise machining and finishing techniques when producing high quality furniture and cabinetry components.
- Can be finished with a number of surface coating systems, such as paints, lacquers, veneers, laminates, paper and vinyl foils. Applications include furniture, storage units, shelving, wall lining, mouldings and general joinery work.
- Lakepine® MDF is made to meet or exceed the requirements of AS/NZS 1859 Part 2 (2004).
- Lakepine® MDF is available in LFE (Low Formaldehyde Emission) E1 or E0 substrate options.
- A commercially viable and environmentally preferable range of products without compromising design flexibility.
- All Lakepine® products have been awarded the Environmental Choice New Zealand Licence.

PRODUCT	PANEL OPTIONS		SUBSTRATE AVAILABILITY	
	THICKNESS	SHEET SIZES	E1	E0*
Lakepine® MDF	Available in 3mm to 25mm	Available in range of sizes	✓	
Lakepine® Light	16, 18mm	Available in selected sizes	✓	
Lakepine® MR	16, 18, 25mm	2440 x 1220mm	✓	
Lakepine® Zero	12, 16, 18, 25mm	2440 x 1220mm, 2440 x 1830mm		✓

\*Contact The Laminex Group for availability and lead time for E0 products.  
Lakepine® Handipanel is not certified by Environmental Choice New Zealand.

## LAKEPINE® MDF

THICKNESS (mm)	3	4	4.75	6	9	12	16	18	25
Density* (kg/m <sup>3</sup> )	790	790	790	790	750	730	730	730	730
Board Weight (kg/m <sup>2</sup> )	2.3	3.1	3.7	4.7	6.8	9.0	11.8	13.3	18.0



Lakepine® MDF panels are certified by ENVIRONMENTAL CHOICE NEW ZEALAND.

Printed on recycled paper. Image courtesy of Forest Products Commission.

another trade essential from  
**THE laminex GROUP™**

## LAKEPINE® LIGHT

<b>THICKNESS (mm)</b>	16	18	25
Density* (kg/m <sup>3</sup> )	600	600	—
Board Weight (kg/m <sup>2</sup> )	9.6	10.8	—
<b>LAKEPINE® MR</b>			
Density* (kg/m <sup>3</sup> )	740	740	720
Board Weight (kg/m <sup>2</sup> )	11.8	13.3	18.0

\* The Laminex Group reserves the right to change specifications.

For detailed physical properties, please refer to the Lakepine® MDF product brochure available from The Laminex Group.

### The Management of Wood Fibre Sources

- The wood fibre for our New Zealand made Lakepine® MDF comes from privately owned managed plantation forests.
- The main sources of wood supply are Otago and Southland plantations.
- The Laminex Group continues to pursue opportunities for Forest Stewardship Council (FSC) chain of custody certification for the supply of its wood fibre in New Zealand.

### Wood Fibre Source for Lakepine® MDF and Lakepine® Zero

The Lakepine® range is manufactured in the South Island of New Zealand.

A significant proportion of pre-consumer recycled and reclaimed wood fibre is used in the production of Lakepine® MDF, giving this product a high “eco-preferred” content.

The wood fibre used is constituted as follows:

Wood species is almost exclusively Pinus Radiata from Otago and Southland plantations.

Pre-consumer recycled content	60%
Reclaimed silviculture (forest floor) fibre	5%
Wood chip	35%

### Reduced Emissions for Better Indoor Air Quality

- The Laminex Group manufactures MDF panels which comply with the low formaldehyde emission level E1 defined in AS/NZS 1859 Part 2 (2004) for MDF, placing them amongst the best in the world.
- The Greenfirst range includes the option of MDF panels with the very low formaldehyde emission level E0 substrate (Lakepine® Zero).
- Both E1 and E0 products emit formaldehyde well below the workplace exposure limit set by Occupational Safety and Health New Zealand.
- Lakepine® MDF can be finished with a number of surface coatings including but not limited to paints, veneers, laminates, paper and vinyl foils. Designers should investigate the environmental attributes of their preferred finish and the glues used to bond the surface to the MDF, as this will determine the potential impact on indoor air quality.

### Product Durability

- The serviceable life of the product will depend on its application and the surface finish applied to the product. When stored, handled, used and maintained in accordance with current technical literature in its intended application, the product will meet the durability requirements of NZBC B2.3.1.

### Modularity & Flexibility

- The standard panel sizes of Lakepine® MDF are well adapted to practical requirements, so cutting can be optimised and waste kept to a minimum.
- Panels are self-supporting and can be decorated by painting, laminating and veneering.
- Finished panels can be assembled using mechanical fixing systems.
- Furniture and joinery made with Lakepine® MDF can be disassembled, reused, refurbished or easily replaced.

### Product Stewardship

The Laminex Group is committed to exploring commercially viable environmental programs, and is investigating processes and technologies to collect and re-use its products after the end of their serviceable lives.

### Green Star NZ Office Design Compatibility

IEQ 14 - Formaldehyde Minimisation

If 100% of composite wood panels used are Lakepine® MDF or Lakepine® Zero, use of the products will contribute towards achievement of 1 credit point.

MAT 8 - Sustainable Timber

If 100% of composite wood panels used are Lakepine® MDF or Lakepine® Zero, use of the products will contribute towards achievement of 2 credit points.

Lakepine® MDF has been awarded the Environmental Choice New Zealand (ECNZ) licence and meets the criteria for the Forest Stewardship Council (FSC) certified timber set in the ECNZ Furniture and Fittings standard.