

# Formica® Melteca® on Lakepine® MDF



Formica® Melteca® on Lakepine® MDF is available in four grades:

- 1: Lakepine® is a standard grade medium density fibreboard (Lakepine® MDF) factory laminated with hardwearing melamine surfaces suitable for vertical applications.
  - 2: Lakepine® Light is lighter in weight than standard MDF and maintains excellent strength quality, surface smoothness and stability.
  - 3: 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.
  - 4: Lakepine® Zero™ is a low formaldehyde emitting MDF panel (E0) specifically developed for situations where lower formaldehyde emission levels are preferred.
- Applications include furniture, storage units, wall linings and general joinery work.
  - There is a large choice of colour options available - refer to current product availability chart.
  - A commercially viable and environmentally preferable range of products that do not compromise design flexibility.
  - Formica® Melteca® on Lakepine® MDF has been awarded the Environmental Choice New Zealand Licence.

PRODUCT	PANEL OPTIONS		SUBSTRATE AVAILABILITY	
	THICKNESS	SHEET SIZES	E1	E0
FORMICA® MELTECA® ON: Lakepine® MDF	Available in 9, 12, 16, 18, 25mm	2440 x 1220, 2440 x 1830mm	✓	
Lakepine® Light	16, 18mm	2440 x 1220mm	✓	
Lakepine® MR	16, 18, 25mm	Available in selected sizes	✓	
Lakepine® Zero	12, 16, 18, 25mm	2440 x 1220mm, 2440 x 1830mm		✓

## FORMICA® MELTECA® ON LAKEPINE® MDF AND LAKEPINE® ZERO

THICKNESS (mm)	9	12	16	18	25
Density* (kg/m <sup>3</sup> )	750	730	730	730	730
Board Weight (kg/m <sup>2</sup> )	6.8	9.0	11.8	13.3	18.0

## FORMICA® MELTECA® ON LAKEPINE® LIGHT

THICKNESS (mm)	16	18
Density* (kg/m <sup>3</sup> )	600	600
Board Weight (kg/m <sup>2</sup> )	9.6	10.8

## FORMICA® MELTECA® ON LAKEPINE® MR

THICKNESS (mm)	16	18	25
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 Formica® Melteca® product brochure available from The Laminex Group.



Formica® Melteca® on Lakepine® MDF is licenced by ENVIRONMENTAL CHOICE NEW ZEALAND.

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



## The Management of Wood Fibre Sources

- The wood fibre for our New Zealand made Formica® Melteca® on 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 Formica® Melteca® on 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).
- Formica® Melteca® on Lakepine® MDF products emit formaldehyde well below the workplace exposure limit set by Occupational Safety and Health New Zealand.
- Formica® Melteca® also emits very low traces of Volatile Organic Compounds (VOC's).

## Technical Information

AS/NZS 1859:2 (2004)	Formaldehyde Emission Levels (mg/l)
E1 Standard Lakepine MDF, Light and MR	≤ 1.0
E0 Standard Lakepine Zero	≤ 0.5

## Paper Source for Formica® Melteca®

- Decorative papers used to decorate Formica® Melteca® are sourced from several suppliers from Europe, Asia and USA.
- Our suppliers use wood pulp from managed timber plantations.
- Heavy metals are not present in the inks used for paper supplied to The Laminex Group. We specify use of ECF – Elemental Chlorine Free bleached pulp for decorative papers.

## Product Durability

- Formica® Melteca® is a self supporting panel with a high wear surface suitable for vertical application.
- The serviceable life of the product will depend on its application. When stored, handled, used and maintained in accordance with current technical literature, the product will meet the durability requirements of NZBC B2.3.1 (c).

## Modularity & Flexibility

- The standard panel sizes of Formica® Melteca® are well adapted to practical requirements so that cutting can be optimised and waste kept to a minimum.
- Panels are self supporting and decorated on two sides. Panels can be cut, edged and assembled using mechanical fixing systems. Furniture and joinery made with Formica® Melteca® 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 Formica® Melteca® on 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 Formica® Melteca® on Lakepine® MDF or Lakepine® Zero, use of the products will contribute towards achievement of 2 credit points.

Formica® Melteca® on 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.