



polytec

## Technical Data Sheet

# LPM

## Low Pressure Melamine - MR Particleboard

# LPM Low Pressure Melamine - MR Particleboard / Technical Data Sheet

## GENERAL INFORMATION

polytec's Melamine range is available in a stunning selection of colours, designs and various surface finishes allowing you to create a stylish look in your home, workplace or decorative joinery application.

Made from 16mm to 33mm moisture-resistant (MR) E1 Particleboard (PB) bonded with resin, impregnated paper on both sides, the hardened resin creates an outer layer providing an excellent surface for all applications.

## APPLICATION

polytec's Melamine range is designed for interior use, such as kitchens, bathrooms, laundries, wardrobes, domestic and commercial furniture. MR Melamine is resilient to areas exposed to low to medium humidity levels and where accidental wetting may occur.

The hardened resins in the decorative Melamine outer layer resists chipping, scuffing and dents and the Melamine surface wipes clean with warm soapy water and a non-abrasive cloth. This product has been designed with the consumer in mind and is a perfect solution for all joinery applications.

## PHYSICAL PROPERTIES

### TYPICAL PROPERTIES AS TESTED TO AS/NZ 1859.2

Density	650 kg/m <sup>3</sup>
Modulus of Rupture (MOR)	18 MPa
Modulus of Elasticity (MOE)	2700 MPa
Internal Bond Strength	750 kPa
Moisture Content (ex-factory)	8 %
Thickness Swell (24 Hours)	6 %
Wet Bonding Strength (WBS-A)	5.5 MPa

### SCREW HOLDING

Edge	900 N
Face	700 N

## COMPOSITION AND INFORMATION OF INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Plantation soft wood	None	> 70 %
Melamine urea formaldehyde (MUF) resin	25036-13-9	< 20 %
Decorative paper	None	< 2 %
Paraffin wax	8002-74-2	< 1 %

## WEIGHT AND DENSITY

THICKNESS	TYPICAL PRODUCT WEIGHT				
	mm	kg /m <sup>2</sup>	2400 x1200	3600 x1200	3600 x1800
16	10.40	29.95	44.93	67.39	
18	11.70	33.70	50.54	75.82	
25	16.25	–	–	105.30	

## LPM Low Pressure Melamine - MR Particleboard / Technical Data Sheet

### FIRE TESTS

Classified as Group 3 in accordance with specification C110 section 4 of BCA.

### STORAGE AND MAINTENANCE

polytec's doors, panels and Melamine board should be treated with special care, avoid leaning large doors, panels and sheets against walls or other surfaces, this will cause bowing of the product and may void any warranty obligations held by polytec. polytec Melamine products should always be protected against direct sunlight as continuous exposure may cause discolouration or fading over time.

When stacking be sure to place on a flat surface, face to face, this will keep the product in its optimal condition, also be sure not to drag the products across each other as this will cause scratches and damage the surface.

### ENVIRONMENTAL

At polytec, sustainability is ingrained in the core of our business operations, products, and work practices. Our continual dedication to improving and appropriately managing the environmental impact of our products involves our commitment to steadfastly reducing our carbon footprint, minimising waste, optimising energy efficiency and integrating ethically sourced materials into our product ranges.

Our MDF and Particleboard are manufactured from managed and renewable plantation pine that has been Green Tag, Responsible Wood and PEFC certified. All polytec Melamine products are manufactured from E0 or E1 substrates, with particleboard now made from a percentage of recycled wood material.

In our pursuit of responsible waste management, we implement various recycling programs encompassing aluminium, metals, used oils, and timber waste, which is repurposed into packaging, particleboard, and energy. We actively engage with local government environmental initiatives, subject ourselves to voluntary audits, and uphold our internal Energy and Carbon Management Policy (ECM), aligned with the Australian Government's Energy Efficiency Opportunities (EEO) program.

### CONTACT

For further information contact:

**Porta Limited** (NZBN 9429052693182)

**Address** 9 Beale Place, East Tamaki  
Auckland 2013,  
New Zealand

**Telephone** 0800 220 607

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, we can accept no responsibility for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage caused by any person acting or refraining from action as a result of this information.