

polytec

## Technical Data Sheet

# LPM

## Low Pressure Melamine - Bevel Edge doors

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## GENERAL INFORMATION

polytec's Bevel Edge Melamine range is available in a stunning selection of colours and designs, allowing you to create a stylish look in your home or workplace. Made from 16mm and 18mm MR (moisture resistant) MDF (medium Density Fibre Board) E-Zero, in a range of surface finish options. The available range of colours in our Bevel Edge MELAMINE products are available also available in Square Edged profile doors & panels and a selected range in Aluminium Finger Pull doors & panels. polytec Melamine doors & panels are designed to complement polytec's other extensive decorative surface ranges.

polytec's Bevel Edge Melamine range is bonded with melamine resin, impregnated paper on both sides, the hardened resin creates an outer layer providing an excellent surface for all applications.

## APPLICATION

polytec's Melamine finishes are designed for interior use, such as kitchens, bathrooms, laundries, wardrobes, domestic and commercial furniture. MR melamines are 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, scratching 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	730 kg/m <sup>3</sup>
Modulus of Rupture (MOR)	40 MPa
Modulus of Elasticity (MOE)	3500 MPa
Internal Bond Strength	900 kPa
Moisture Content (ex-factory)	7 %
Thickness Swell (24 Hours)	6 %
Wet Bonding Strength (WBS-A)	7 MPa

## SCREW HOLDING

Edge	1000 N
Face	800 N

## COMPOSITION AND INFORMATION OF INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Plantation soft wood	None	> 80 %
Melamine urea formaldehyde (MUF) resin	25036-13-9	< 20 %
Decorative paper	None	< 2 %
Paraffin wax	8002-74-2	< 1 %

## FIRE TESTS

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

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### 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

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