

# polytec MELAMINE

## Medium Density Fibreboard

polytec's 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 moisture-resistant (MR) Medium Density Fibreboard (MDF) E-Zero, in a range of surface finish options. The available range of colours in our Melamine products are available in Square Edged profile doors & panels and a selected range in Bevel Edge profile and Aluminium Finger Pull doors & panels. polytec Melamine doors & panels are designed to complement polytec's other extensive decorative surface ranges including Thermolaminated doors & panels and Benchtops & laminate.

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.

### Product Properties

PROPERTY	UNIT	MR-MDF E0 MELAMINE
Density	Kg/m <sup>3</sup>	730
Modulus of Rupture (MOR)	MPa	40
Modulus of Elasticity (MOE)	MPa	3500
Internal Bond Strength	kPa	900
Moisture Content (ex-factory)	%	7
Thickness Swell (24 hours)	%	6
Wet Bonding Strength (WBS-A)	MPa	7
SCREW HOLDING		
Edge	N	1000
Face	N	800

(Typical properties when tested to AS/NZS 1859.2)

### Chemical Composition

CHEMICAL ENTITY	CAS No	PROPORTION
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

EARLY FIRE HAZARD INDICES TO AS 1530.3	CAS No
Ignitability Index:	12-14
Spread of flame index:	5 - 7
Heat evolved index	4 - 6
Smoke developed index:	3 - 5

Classified as Group 3 in accordance with specification C1.10 section 4 of BCA.

## Weights

THICKNESS (mm)	DENSITY (kg/m <sup>3</sup> )	TYPICAL PRODUCT WEIGHT						
		(kg/m <sup>2</sup> )	24 x 12	24 x 18	27 x 12	36 x 12	36 x 18	3115 x 12
9	735	6.62	19.07	-	21.45	28.60	42.90	-
16	720	11.52	33.18	-	37.32	49.77	74.65	43.06
18	720	12.96	37.32	55.99	-	55.99	83.98	48.44
25	715	17.87	51.49	77.24	-	77.24	115.86	-
32	715	22.88	65.89	-	-	98.84	-	-

## Application

When installing Smooth Low Pressure Melamine panels in a horizontal application, please ensure surface is tested in the final/similar environment to determine usability. Wear and tear is not covered by warranty.

## 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.

## Certification

polytec is committed to an eco-friendly and sustainable environment. It is an intrinsic part of the way we do business daily. Our decisions are made so that they have minimum negative impact on the environment. Our product is manufactured from managed and renewable plantation pine and is Australian Forestry Standard chain of custody certified. All polytec Melamine products are manufactured from CUSTOMwood MR MDF E-Zero. We subscribe to local government environmental initiatives and voluntary audits as well as our own internal Energy and Carbon Management Policy (ECM), which aligns with the Australian Government's Energy Efficiency Opportunities

## Contact

For further information on this product contact:

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