

polytec

Technical Data Sheet

THERMOLAMINATED

doors & panels

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GENERAL INFORMATION

polytec's Thermolaminated doors & panels range are made from profiled MR MDF in 18mm or 21mm, available in fully customisable made-to-order options only. The product is wrapped on the face and edges with vinyl, adhered with polytec-crafted adhesive and bonding agents, making this a superior product in the market.

FEATURES AND BENEFITS

- Easy to clean, moisture and stain resistant
- Fully custom-made doors and panels
- Highly durable
- Australian-made
- Selected matching Melamine and HPL options
- Low VOC's
- Cut and Rout options available for professional paint application
- Supporting accessories available such as: capping, recessed rails, heat deflectors, return panels, foil, roller shutters, and flutes

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
Flatness (0.40mm gauge)	ATLA 2009.6.2	
Convex		2.0 mm/m
Concave		2.0 mm/m
Resistance to Heat	ATLA 2009.7	< 1 mm
Gloss@70°C, all other finishes@75°C		
Light Fastness	DIN 53387-2-F; ISO 4892-2; ISO 105 B 02	> 6 (blue wool scale)
Resistance to Staining	DIN 68861-1	At least Class 1B

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	< 1 %
Paraffin wax	8002-74-2	< 1 %
Polyvinyl Chloride	9002-86-2	< 7 %
Polyurethane Emulsions	None	< 1 %
Titanium Dioxide	13463-67-7	< 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 Thermolaminated doors & panels should be treated with special care, avoid leaning large doors and panels against walls or other surfaces, this will cause bowing of the product and may void any warranty obligations held by **polytec**.

polytec Thermolaminated 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** Thermolaminated 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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