

# polytec



## Technical Data Sheet

# HPL

## High Pressure Laminate - Matera

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### GENERAL INFORMATION

polytec's range of Laminate and Benchtops are designed for applications such as kitchen worktops, countertops, bathroom vanities and laundry bench tops where a durable decorative surface is required.

### FEATURES AND BENEFITS

- Tough and durable
- Resistant to cracking, chipping, chemicals and reagents
- Industry relevant colour range
- Postformable

**Note:** Benchtops should be pre-drilled prior to cutouts, leaving a 10mm radius in corners. Internal corners should not be square which may cause cracking.

### PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
<b>Density</b>	ASTM D 792-1	1350 – 1450 kg/m <sup>3</sup>
<b>Panel Tolerance</b>	AS/NZS 2924.1	
Length		± 5 mm
Width		± 5 mm
Thickness		± 0.1 mm
<b>Colour Stability</b>	AS/NZS 2924.1	≥ 6 (blue wool scale)
<b>Thickness Swell (24 Hours)</b>	EN 317	≤ 3.5 %
<b>Tensile Strength</b>	DIN 53457	> 80 N/mm <sup>2</sup>
<b>Flexural Strength</b>	DIN 53457	> 90 N/mm <sup>2</sup>
<b>Resistance to Impact</b>	AS/NZS 2924.1	> 20 N
<b>Resistance to Scratch</b>	AS/NZS 2924.1	≥ 2 N
<b>Resistance to Wear</b>	AS/NZS 2924.1	≥ 350 cycles
<b>Resistance to Steam</b>	AS/NZS 2924.1	≥ 4
<b>Dry Heat Resistance (180°C)</b>	AS/NZS 2924.1	
Finishes		≥ 4
<b>Resistance to Staining</b>	AS/NZS 2924.1	
Group 1+2		≥ 5
Group 3+4		≥ 4
<b>Resistance to Boiling Water</b>	AS/NZS 2924.1	No visible change

### FIRE TESTS

Classified as Group 1 in accordance with specification C110 section 4 of BCA.

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### CHEMICAL RESISTANCE PERFORMANCE

polytec always recommend prompt clean-up of all spills on its decorative surfaces and the surface maintained in accordance with our Care & Maintenance instructions.

#### No visible effects

Water, alcohol 96%, isopropanol, Petrol, amyl acetate, acetone, household soap, detergents for dishwashing by hand, ammonium hydrate 10%, ketchup, cooking oil, trisodium phosphate 1%, coffee, tea, milk, acetic acid, caustic soda (<10%), citric acid 10%, wine, lipstick, grapefruit juice, wax, shoe polish, ink ballpoint pen, spirit dye pen, marking ink, hand cream

#### Slight Effect/No Effect if completely removed within 10-15 minutes

Hydrogen Peroxide 30%, hypochlorite bleach, hair dye, mercury chromate 2%, iodine, hydrochloric acid (<10%), phosphoric acid (10%), caustic soda (>10%)

#### Surface attack/necessitating immediate removal

Hydrochloric Acid (>10%), nitric acid (>10%), Sulphuric Acid (>10%)

### 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.

### CONTACT

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