

polytec XENOLITH

polytec's Xenolith is a 15mm premium coloured core composite laminate. Xenolith is the ultimate in long lasting, low maintenance decorative panels, for the most demanding hardworking environments.

Available in a unique range of colours, Xenolith can be used for benchtops, vanities, cafe tops, wet room partitioning, alfresco areas, and suitable for vertical and horizontal applications.

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.

Product Properties

PROPERTY	UNIT	TYPICAL PROPERTY	TEST METHOD
Density	Kg/m ³	1350 - 1450	ASTM D 792-1
Panel Tolerance			
Length	mm	±5	AS/NZS 2924.1
Width	mm	±5	
Thickness	mm	±0.5	
Colour Stability		Blue wool standard Min 6	AS/NZS 2924.1
Thickness Swell (24hr @ 20°C)	%	≤ 0.1	EN 317
Tensile Strength	N/mm ²	>80	DIN 53457
Flexural Strength	N/mm ²	>100	DIN 53457
Resistance to Impact	N	≥ 20	AS/NZS 2924.1
Resistance to Scratch	N	≥ 2	AS/NZS 2924.1
Resistance to Surface Wear	Revolutions	≥ 350	AS/NZS 2924.1
Resistance to Steam		≥ 4	AS/NZS 2924.1
Dry Heat Resistance, 180°C		≥ 4	AS/NZS 2924.1
Resistance to Staining			
Group 1 + 2		≥ 5	AS/NZS 2924.1
Group 3 + 4		≥ 4	
Flatness	mm/m	≤ 3	EN 438.2
Indicative Weight	Kg/m ²		
15mm thickness		20.5	

Fire Tests

EARLY FIRE HAZARD INDICES TO AS/NZS 1530.3	CAS No
Ignitability Index:	10 - 14
Spread of flame index:	0 - 8
Heat evolved index	2 - 6
Smoke developed index:	2 - 4

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

Environmental / Safety

polytec is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health and environmental protection. We support the safe handling of our products. polytec XENOLITH products should always be protected against direct sunlight as continuous exposure may cause discolouration or fading over time.

Chemical Resistance Properties

polytec High Pressure Laminates (HPL & CL) are resistant to most common chemicals and substances. Test results meet the requirements of International Standard ISO 4586-2 which specifies resistance to staining by substrates which are encountered in daily usage and some aggressive materials commonly used in laboratories.

PERFORMANCE	CHEMICAL
No Visible Effect	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%, hypochloric bleach, hair dye, mercury chromate 2%, iodine 0.1%, hydrochloric acid (<10%), caustic soda (>10%)
Surface Attack/ Necessitating immediate removal	Hydrochloric Acid (>10%), nitric acid (>10%), Sulphuric Acid (>10%)

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** board products are manufactured from E0 or E1 CUSTOMwood MDF. 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 (EEO) program.

Contact

For further information on this product, please contact the following:

Borg Manufacturing (ABN 31 003 246 357), 1090 Pacific Hwy, Somersby, NSW 2250, Australia

Telephone: 02 4340 9800 or 1300 300 547 Fax: 02 4340 5841 or 1300 320 547

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