

polytec Digital High Pressure Laminate

General Information

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

Features

- Tough and durable
- Resistant to cracking, chipping, chemicals and reagents
- Industry relevant colour range
- Standard Laminates (Non-Postformable) and Postformable Laminates to Tight Form in most colours on 33, 39mm substrate

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.

polytec do not grain match timberprints, stone patterns and abstract colours where a joint is required.

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.

Product Properties

PHYSICAL PROPERTIES	UNIT	TYPICAL PROPERTY	TEST METHOD
Density	Kg/m ³	1350 - 1450	ASTM D 792-1
Dimensional Tolerance			
Length	mm	± 5	BS EN 438-2
Width	mm	± 5	
Thickness	mm	± 0.1	
Colour Stability		Blue wool standard Min 6	BS EN 438-2
Thickness Swell (24hr @ 20°C)	%	≤3.5	BS EN 317
Resistance to Impact	N	>20	BS EN 438-2
Resistance to Scratch	N	≥ 3	BS EN 438-2
Resistance to Wear	Revolutions	≥ 350	BS EN 438-2
Resistance to Steam		≥ 4	BS EN 438-2
Dry Heat Resistance, 180°C			
Finishes		≥ 4	BS EN 438-2
Resistance to Staining			
Group 1 + 2		≥ 5	BS EN 438-2
Group 3 + 4		≥ 4	
Resistance to Boiling Water		No Visible Change	BS EN 438-2
Dimensional Stability at elevated temperature	%	L ≤ 0.7 , T ≤ 1.2	BS EN 438-2

Fire Tests

Classified as Group 1 in accordance with specification C1.10 section 4 of BCA.

Chemical Resistance Test Results

polytec always recommend prompt clean-up of all spills on its decorative surfaces and the surface maintained in accordance with our Care and Maintenance instructions. polytec High Pressure Laminate products should always be protected against direct sunlight as continuous exposure may cause discolouration or fading over time.

PERFORMANCE	CHEMICAL
No visible effect	Water, alcohol 96%, isopropanol, Petrol, amy1 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%)

Product Weights

THICKNESS (mm)	DENSITY (kg/m3)	TYPICAL PRODUCT WEIGHT					
		(kg/m2)	3660 x 1360	3660 x 680	1825 x 1360	1825 x 680	3660 x 1220
0.7	1400	0.9	4.46	2.23	2.23	1.11	4.00

Contact

For further information on this product contact:

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