

polytec COMPACT laminate

polytec's high pressure COMPACT Laminate is the ultimate in long lasting, low maintenance decorative panels, for the most demanding hardworking environments.

Features

- Tough and durable
- Distinctive black core
- Extensive colour range
- Sheet size 1830 x 3660mm
- Available in 2mm – 25mm substrate
- Impervious to water
- Outstanding stain and wear resistance

Product Properties

PROPERTY	UNIT	TEST METHOD	
Density	Kg/m ³	1350 - 1450	DIN 53479
Panel Tolerance			
Length	mm	±5	DIN 16926
Width	mm	±5	
Thickness	mm	±0.15	
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	>25	AS/NZS 2924.1
Resistance to Scratch		e 2	
Resistance to Wear		e 350	
Resistance to Steam		e 4	
Dry Heat Resistance, 180°C		e 4	

Fire Tests

EARLY FIRE HAZARD INDICES TO AS/NZS 1530.3	CAS No
Ignitability Index:	10 - 12
Spread of flame index:	0 - 4
Heat evolved index	2 - 4
Smoke developed index:	2 - 4

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, 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%, 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%)

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.

Contact

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

Polytec Laminates, No. 1, Jalan Teknologi Utama PLO2, Kawasan Perindustrian Mengkibol, 86000 Kluang, Johor, Malaysia Telephone: +60 (7) 776 2600 Fax: +60 (7) 776 2608

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, we can accept no responsibility for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage caused by any person acting or refraining from action as a result of this information.

Date of last update: 1 August 2016