

COMPACT laminates

polytec  
laminates

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**BORG**  
MANUFACTURING

With an outstanding array of colours, styles and surface finishes, the **polytec laminates**' range comprises of HIGH PRESSURE LAMINATES (HPL), CONTINUOUS LAMINATES (CPL) and COMPACT LAMINATES (CL). We are able to maintain excellent technical properties with a high degree of consistency, resulting in the best quality products manufactured to the highest quality standards.

**polytec laminates** is owned by an Australian private company Borg and with the latest in world class technology, product development and at the forefront of innovation, Borg has grown to be one of the largest decorative surfaces manufacturers in Australia with over 1200 employees and four manufacturing sites.

All **polytec** products conform to the appropriate international standards and we are committed to responsible manufacturing, the environment and the safety of our employees.

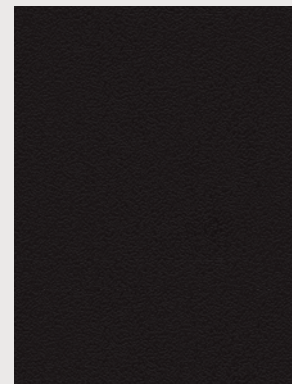
**polytec** colours combine modern trends with popular classics to create a fashionable range in a selection of thicknesses, sizes and surface finishes. From benchtops to desks and furniture, cubicle partitions and lockers whatever your project requires, **polytec laminates** provide a hard wearing, long lasting and low maintenance surface at an affordable price.



# finishes

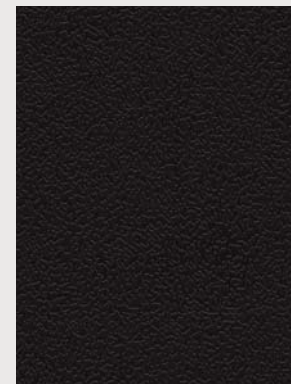
polytec's COMPACT LAMINATES are available in a variety of finishes.

Choose the Texture finish for a fine textured surface and the Pearl finish to achieve a traditional medium textured surface. For the look and feel of natural raw timber, choose Ravine with it's linear embossed woodgrain.



T

Texture



P

Pearl

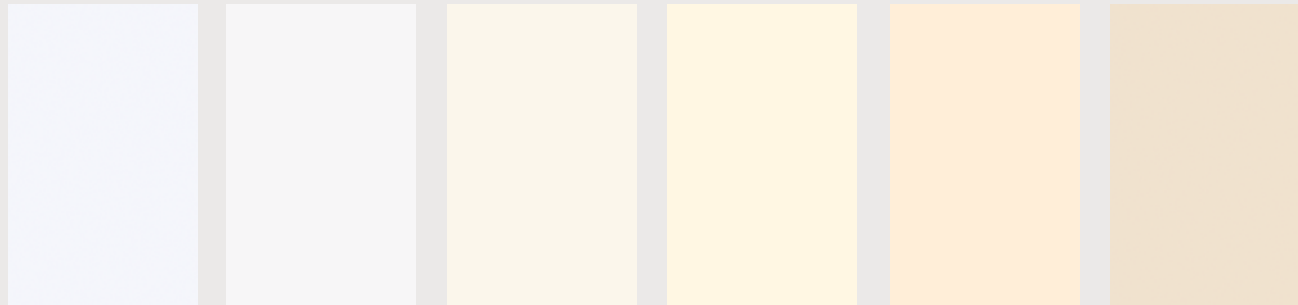


R

Ravine



# solid



0100 T Arctic White P878 T Polar White P864 T Natural White P808 T Parchment P807 T New Antique White 0102 T Sand Beige



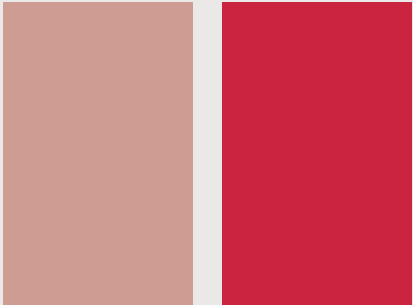
0203 T Cool Grey 0204 T Warm Grey P880 T Oyster Grey P928 T Stone Grey 0208 T Grigio Grey 0209 T Slate Grey



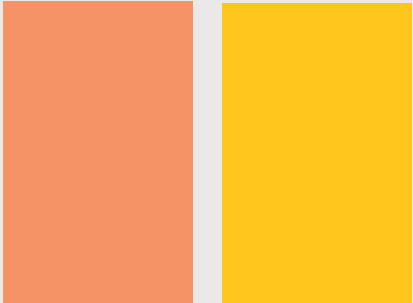
0199 T Rosa Beige P806 T Mountain Pepper P916 T Khaki 0200 T Fossil P924 T Cinder P883 T Leather



0196 T Nile Verdant 0104 T Azur Blue 0202 T Sky Blue 0108 T Marine Blue P917 T Teal Blue P882 T Storm



0106 T Blush Pink P860 T Vintage Red



P912 T Citrus P863 T Yellow



P212 T Lime Green P921 T Nordic Blue



0103 T Dust Grey 0137 T Ebony Black



# woodgrain



D198 T

Notaio Walnut



D200 T

Antico Oak



D194 T

Bottega Oak



D202 T

Prime Oak



D203 T

Empire Oak



D943 T

Natural Oak



D197 T

Angora Oak

# woodgrain



2505 T Bergenz Maple



D833 T Tuross Oak



D157 T Palace Teak



D954 T Tessuto Milan



D947 T Marni Lini



D898 T Gesso Lini



D897 T Rocco Lini



D899 T Truffle Lini



D900 T Artisan Oak



D155 T Café Oak



D895 T Belgian Oak



D836 T Shannon Oak



D855 T Flinders Pear



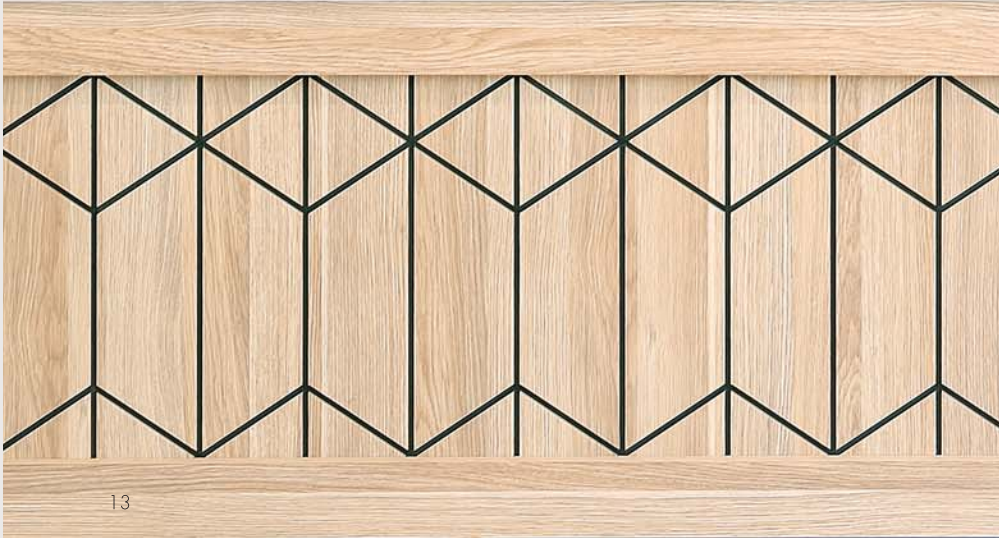
D884 T Hasting Beech



D167 T Java Teak



5201 T Salome Birch



# stone



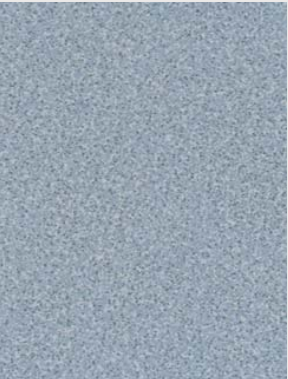
D870 T Pumice Micro



D177 T Calacutta D'oro



D845 T Quarry Micro



1006 T Navy Puntinella



D176 T Calacutta Grey



D843 T Cabernet Micro

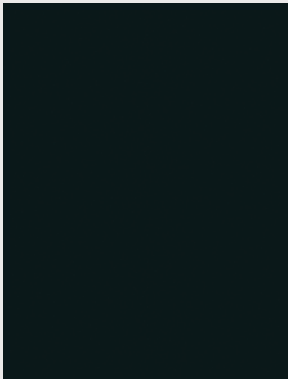


D885 T Somerstone



D174 T Athena Stone

# pearl



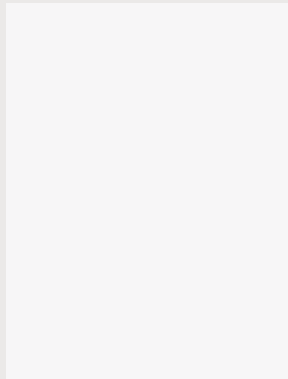
0137 P Ebony Black



D885 P Somerstone



1006 P Navy Puntinella



P878 P Polar White





# ravine



D200 R

Antico Oak



D943 R

Natural Oak



D198 R

Notaio Walnut



D954 R

Tessuto Milan



D900 R

Artisan Oak



D155 R

Café Oak



D194 R

Bottega Oak

# technical INFORMATION

## GENERAL INFORMATION

**polytec** COMPACT LAMINATES comprise of top-quality materials with excellent technical properties. They consist of cellulose selected papers, impregnated with resin and produced under heat and high pressure.

Comprises of quality materials with excellent technical properties:

- impervious to water, ideal for use in wet areas
- great colour range covering all of the top selling colours in market
- very strong and self supportive structural properties
- high density, providing extremely good impact resistance
- durable surface finish which is hard wearing with good scratch and scuff resistance
- hygienic, easy to clean and maintain

Standard size : 1830 mm x 3660 mm, with thickness up to 25mm;  
1830 mm x 4270 mm, with thickness up to 25mm.

## CLEANING

COMPACT laminates should be cleaned as follows:

Using a mild household spray wipe down the COMPACT laminate with a soft cloth taking care not to rub too hard. Dry using a soft cloth so as not to leave any solvent on the COMPACT laminate.

You may also use Methylated Spirit on a soft cloth, using a circular cleaning motion. Thoroughly clean over the wider area with water and detergent on a damp cloth afterwards to remove any residual Methylated Spirit.

Always ensure that you refer to the recommendations provided by the cleaning product manufacturer before use.

## MAINTENANCE

To ensure that your Warranty will not be void, DO NOT use any of the following on COMPACT laminate:

Commercial Cleaning Products, Abrasive Cleaners, Scouring Pads or Abrasive Papers, Solvents, Thinners, Turpentine (Turps), Ammonia, Bleach, Acetone, M.E.K. and any other cleaning agents containing Organic Solvents or the above mentioned products.

DO NOT use sharp objects such as knives on the laminate surface.

DO NOT place hot cookware directly on the laminate.

## ENVIRONMENTAL CERTIFICATION



Certification No. MyHP00037/17-B002



**Biofibre Composite**

SIRIM CRITERIA 005:2010

Certification No. EL000074



Certification No. 042-033-2065

Environmentally Improved Low Emission Low Toxicity

**polytec** is committed to environmental awareness and preservation.

Choose **polytec** and make a difference.

# technical INFORMATION

## PHYSICAL PROPERTIES\*

<b>Density</b>	1326 g/cm <sup>3</sup>	
<b>Panel Tolerances</b>	Length: ±5 mm	DIN 16929
	Width: ±5 mm	DIN 16929
	Thickness ±0.15 mm	DIN 16929
<b>Thickness Swell</b>	24hr at 20°C	0.1 %
		EIN 317
<b>Resistance to Surface Wear</b>		
<b>Type of Abrader: S-33</b>	Initial: 700	Clause 10 of EN 438-2
	Final: 1225	Clause 10 of EN 438-2
<b>Resistance to Impact by Large Diameter Ball</b>	Height > 2000 mm	Rating 5
		Clause 21 of EN 438-2
<b>Resistance to Scratching</b>	Rating 3	Clause 25 of EN 438-2
<b>Resistance to Dry Heat, 180°C</b>	Rating 5	Clause 16 of EN 438-2
<b>Resistance to Water Vapour</b>	Rating 5	Clause 14 of EN 438-2
<b>Resistance to Immersion in Boiling Water</b>	0.29 Thickness, 0.05 Mass	Rating 5
		Clause 17 of EN 438-2
<b>Dimensional Stability at Elevated Temperature in Machine Direction</b>	Dry Heat: 0.05 %	Clause 17 of EN 438-2
	High Humidity: 0.05 %	Clause 17 of EN 438-2
<b>Resistance to Cigarette Burns</b>	Rating 5	Clause 30 of EN 438-2
<b>Resistance to Craziing</b>	Rating 5	Clause 24 of EN 438-2
<b>Flexural Strength</b>	Machine Direction: 118 MPa	ISO 178
	Cross-Machine Direction: 156 MPa	ISO 178
<b>Flexural Modulus</b>	Machine Direction: 9780 MPa	ISO 178
	Cross-Machine Direction: 14800 MPa	ISO 178

<b>Tensile Strength</b>	Machine Direction: 124 MPa	ISO 527
	Cross-Machine Direction: 95.1 MPa	ISO 527
<b>Elongation at Break</b>	Machine Direction: 0.8 %	ISO 527-4
	Cross-Machine Direction: 1.0 %	ISO 527-4
<b>Modulus of Elasticity</b>	Machine Direction: 14810 MPa	ISO 527-4
	Cross-Machine Direction: 10900 MPa	ISO 527-4
<b>Resistance to Staining</b>	Reagents 1-4	Rating 5
		Clause 26 of BS EN 438-2
<b>Colour Stability</b>	Blue Wool Standard	Min 6
		AS/NZS 2924.1
<b>Fire Hazard Indices</b>	Ignitability Index: CAS 10 - 12	AS/NZS 1530.3
	Spread of flame index: CAS 0 - 4	AS/NZS 1530.3
	Heat evolved index: CAS 2 - 4	AS/NZS 1530.3
	Smoke developed index: CAS 2 - 4	AS/NZS 1530.3

\*Data in the physical properties table represents typical values and are to serve only as a guide for engineering design. Results are obtained under ideal laboratory conditions. Right to change physical properties as a result of technological progress is reserved.

# technical INFORMATION

## 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.

### 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%)

## DISCLAIMER

Kindly inspect products prior to installation. **polytec's** liability for any possible manufacturing defect will be limited to the extent of the cost of the product only.

# index

CODE	NAME	SURFACE	PAGE
0100 T	Arctic White	Texture	8
0102 T	Sand Beige	Texture	8
0103 T	Dust Grey	Texture	9
0104 T	Azur Blue	Texture	8
0106 T	Blush Pink	Texture	9
0108 T	Marine Blue	Texture	8
0137 P	Ebony Black	Pearl	15
0137 T	Ebony Black	Texture	9
0196 T	Nile Verdant	Texture	8
0199 T	Rosa Beige	Texture	8
0200 T	Fossil	Texture	8
0202 T	Sky Blue	Texture	8
0203 T	Cool Grey	Texture	8
0204 T	Warm Grey	Texture	8
0208 T	Grigio Grey	Texture	8
0209 T	Slate Grey	Texture	8
1006 P	Navy Puntinella	Pearl	15
1006 T	Navy Puntinella	Texture	14
2505 T	Bregenz Maple	Texture	12
5201 T	Salome Birch	Texture	13
D155 R	Café Oak	Ravine	17
D155 T	Café Oak	Texture	12
D157 R	Palace Teak	Ravine	17
D157 T	Palace Teak	Texture	12
D167 T	Java Teak	Texture	12
D174 T	Athena Stone	Texture	14
D176 T	Calacutta Grey	Texture	14
D177 T	Calacutta D'oro	Texture	14
D194 T	Bottega Oak	Texture	11
D197 T	Angora Oak	Texture	11
D198 T	Notaio Walnut	Texture	11
D200 T	Antico Oak	Texture	11
D202 T	Prime Oak	Texture	11
D203 T	Empire Oak	Texture	11
D833 R	Tuross Oak	Ravine	17
D833 T	Tuross Oak	Texture	12
D836 T	Shannon Oak	Texture	12

CODE	NAME	SURFACE	PAGE
D843 T	Cabernet Micro	Texture	14
D845 T	Quarry Micro	Texture	14
D855 T	Flinders Pear	Texture	13
D870 T	Pumice Micro	Texture	14
D884 T	Hasting Beech	Texture	13
D885 P	Somerstone	Pearl	15
D885 T	Somerstone	Texture	14
D895 T	Belgian Oak	Texture	12
D897 T	Rocco Lini	Texture	12
D898 T	Gesso Lini	Texture	12
D899 T	Truffle Lini	Texture	12
D900 R	Artisan Oak	Ravine	17
D900 T	Artisan Oak	Texture	12
D943 R	Natural Oak	Ravine	17
D943 T	Natural Oak	Texture	11
D947 T	Marni Lini	Texture	12
D954 R	Tessuto Milan	Ravine	17
D954 T	Tessuto Milan	Texture	11
P212 T	Lime Green	Texture	9
P806 T	Mountain Pepper	Texture	8
P807 T	New Antique White	Texture	8
P808 T	Parchment	Texture	8
P860 T	Vintage Red	Texture	9
P863 T	Yellow	Texture	9
P864 T	Natural White	Texture	8
P878 P	Polar White	Pearl	15
P878 T	Polar White	Texture	8
P880 T	Oyster Grey	Texture	8
P882 T	Storm	Texture	8
P883 T	Leather	Texture	8
P912 T	Citrus	Texture	9
P916 T	Khaki	Texture	8
P917 T	Teal Blue	Texture	8
P921 T	Nordic Blue	Texture	9
P924 T	Cinder	Texture	8
P928 T	Stone Grey	Texture	8