

LAMINEX[®] COMPACT LAMINATE



Laminex[®]
Inspire your space

What is Compact Laminate?

Laminex® Compact Laminate is an innovative and durable decorative panel made from thermosetting resins, homogeneously reinforced with cellulose fibres and manufactured under high pressure and temperature. As such, the panels are strong, self supporting, moisture resistant and durable. The standard panel thicknesses are 6mm & 13mm. Panels have a black core that when machined, presents a distinctive black edge. **Laminex® Compact** offers integrated decorative surfaces, available in selected options from the **Laminex® Colour Palette**.



Where can it be used?

Usage options are virtually endless. **Laminex® Compact** can be used in vertical or horizontal applications across a broad spectrum of interior applications. Some of the uses include shower and toilet cubicles, interior wall linings, tabletops, lockers, office furniture, laboratory worktops, cabinets and kitchen benchtops.



Compact Laminate is seen extensively in:

- Public facilities: swimming pools, schools, sanitary facilities, shopping centres, prisons, universities
- Offices: furniture, reception counters
- Leisure areas: shopping centres, bars, hotels
- Healthcare: hospitals, doctors' surgeries, laboratories
- Residential: kitchens, bathrooms



How does it perform?

Laminex® Compact is beautiful in appearance and can take rough treatment. It is extremely scratch, wear, stain, moisture and impact resistant. When durability and functionality are a premium, there's no better selection and the range is backed with a 10 year warranty.

The excellent mechanical and physical properties of **Laminex® Compact** makes it ideal for use in all public and leisure places and for furniture requiring durability in design. A self-supporting panel that can be used with minimal structural support, providing a clean, uninterrupted, minimal look. It's ideal for horizontal and vertical design driven applications. The range of colours has been selected from the **Laminex® Colour Palette** meaning that panels can easily integrate and coordinate with other products and surfaces.

Laminex® Multipurpose Compact has a high resistance to organic solvents such as acetone, toluene, xylene and similar substances.

The panels are also resistant to disinfectants and cleaning chemicals as well as food juices and dyes, which affect neither the properties nor the appearance.



Specifications

MULTIPURPOSE COMPACT LAMINATE		
STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
2450 x 1850	6mm*	<ul style="list-style-type: none"> • Interior Wall Cladding
1835 x 1850mm 3670 x 1850mm	13mm Other thicknesses available.	<ul style="list-style-type: none"> • Shower & Toilet Cubicles • Office Worktops • Interior Wall Cladding • Lockers • Kitchen Benchtops & Cabinetry • Educational Furniture • Durable Furniture

*Selected colours only.

Laboratory Compact Laminate

Laminex® Laboratory Compact Laminate has an Electro Beam Cured (EBC) surface for added durability and chemical resistance. It meets stringent worktop requirements with the added benefit of a quality appearance.

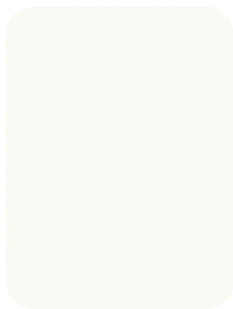
Features and benefits

- Can withstand temperatures up to 180°C for up to 20 minutes without loss of mechanical strength
- EBC surface for enhanced chemical resistance and hygiene properties
- Tested with >90 aggressive reagents, including Silver Nitrate
- GREENGUARD Certified product that meets some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs)
- Non-porous and easy to clean
- Suitable for horizontal and vertical use

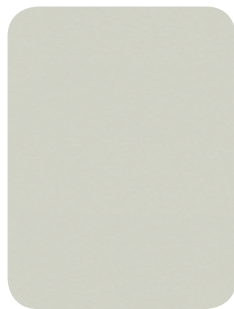
Applications

Counters, laboratory worktops, tabletops, partitioning, cabinets, and casework fronts.

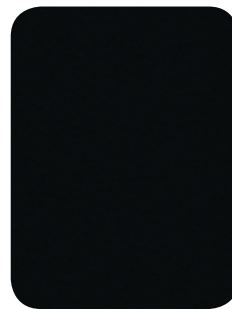
Colour Range



Vapour



Ashen



Night Shadow

STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
3670 x 1530mm	16mm	<ul style="list-style-type: none">• Laboratory Furniture• Laboratory Worktops

Refer to Laboratory Compact Technical Guide for more information on this product.

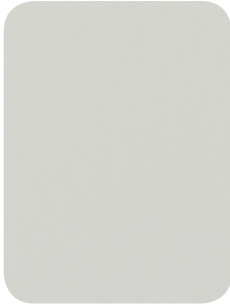
Multipurpose Colour Range



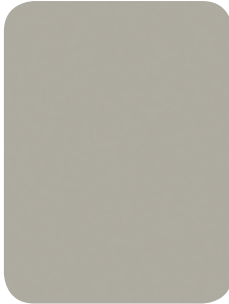
Polar White*



Zincworks*



Oyster Grey*



Baye



Platinum Micro



Oyster Linea*



Stipple Hemp



Tawny Linewood



New Graphite*



Pillarbox



Mandarin



Olympia Blue



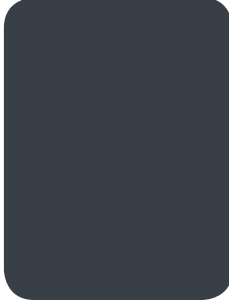
Fossil



Licorice Linea*



Blackened Linewood



Charcoal

Note: Colours are directional and will change subtly according to viewing angle and panel orientation. All colours available in 13mm.

*Available in 6mm.

Multipurpose Compact Material Properties

PROPERTY	UNIT	COMPACT LAMINATE PROPERTIES	STANDARD*
Physical Properties			
Specific Gravity (minimum)	Kg/m ³	1350	EN 438-4
Weight 6mm thickness	Kg/m ²	8.5	
Weight 13mm thickness	Kg/m ²	18.5	
Panel Tolerance			
Length	mm	+/.5	
Width	mm	+/.5	
Thickness 13mm	mm	+/.0.60	
Flatness	mm/m	≤3	
Optical Properties			
Colour Stability	Grey Scale	Minimum 4	AS/NZS 2924.1
	Blue Wool Scale	Minimum 6	
Stain Resistance Groups 1 and 2	Rating	Pass	
Stain Resistance Groups 3 and 4	Rating	Pass	
Mechanical Properties			
Modulus of Elasticity	Mpa	≥9000	EN 438-4
Tensile Strength	Mpa	≥60	EN 438-4
Flexural Strength	Mpa	≥80	EN 438-4
Craze Resistance	Rating	Pass	AS/NZS 2924.1
Impact Resistance	cm	Pass	AS/NZS 2924.1
Immersion in Boiling Water	-	Pass	AS/NZS 2924.1
Scratch Resistance [#]	N	Pass	AS/NZS 2924.1
Stability at Elevated Temperature	%	Pass	AS/NZS 2924.1
Wear Resistance	Cycles	Pass	AS/NZS 2924.1
Wet Heat Resistance at 100°C	Rating	Pass	EN 438-4
Steam Resistance	Rating	Pass	AS/NZS 2924.1
Thermal Properties			
Thermal Conductivity Coefficient	W/mK	+/.0.3	DIN 52612
Cigarette Burns	Rating	Pass	AS/NZS 2924.1
Dry Heat at 180°C	Rating	Pass	AS/NZS 2924.1
Fire Properties			
Fire Hazard Indices	Range		AS/NZS 1530.3
Ignitability	0 - 20	10	
Spread of Flame	0 - 10	0	
Heat Evolved	0 - 10	2	
Smoke Developed	0 - 10	4	
Cone Calorimeter			
Group Number	1-3	3	
Average Specific Extinction Area	m ² /Kg	8	

* AS/NZS 2924.1: Compact General Purpose Standard (CGS) material type. # Minimum 1N for darker colours.

Added Benefits

Sustainability

All **Laminex® Compact** surfaces comply with American GEI (Greenguard Environmental Institute) certification which primarily verifies that **Laminex® Compact** meets the most stringent indoor air emission standards. **Laminex® Compact** has been independently certified with Singapore's Green Label which endorses products that are considered to be environmentally preferable.

Workability

Standard tools for hardwood can be used for machining or processing such as sawing, drilling and routing. Neither the surface nor the sawn edges need to be protected or sealed. Panels will present a distinctive black edge.



Anti-microbial

An anti-microbial and anti-fungal surface, Laminex Compact is certified to the JIS Z 2801:2000 standard



Care and Cleaning

The non-porous surface is easy to clean. For general cleaning of standard interior applications, household cleaners, water or soap are highly recommended. The use of abrasive or polishing materials should not be used.

Handling and Storage

For safe material handling and storage procedures refer to the **Laminex® Compact** Technical Data Sheet at www.laminex.co.nz

Minimise Waste

The standard sizes of **Laminex® Compact** are well adapted to practical requirements so that cutting waste is kept to a minimum. Combined with the standard thicknesses, they offer economical optimisation for any project requirement.

For further information including technical and fabrication details refer to the **Laminex® Compact** Technical Data Sheet at www.laminex.co.nz



Certification No.: 035-034
MADE FROM SUSTAINABLE MATERIALS
Certified under the Singapore GreenLabel
mailaminate™ & mailCompact™



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For a free sample chip call **0800 99 99 39**. For more information visit **laminex.co.nz** or call **0800 303 606**.

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