

Laminex®

COMPACT *laminates*

Available from:

Freeform Laminates 2002 Ltd

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What is Compact Laminate?

LAMINEX® COMPACT laminates are 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 thickness is 13mm. Panels have a black core that when machined, presents a distinctive black edge. **LAMINEX COMPACT laminates** have an integrated decorative surface, available in selected options from the **LAMINEX colour palette** and **LAMINEX innovations®** range.



Where can it be used?

LAMINEX COMPACT laminate can be used in vertical or horizontal applications across a broad spectrum of interior applications. Just some of the uses include: shower and toilet cubicles, interior wall linings, tabletops, laboratory worktops, lockers, office furniture, cabinets and kitchen benchtops. The options are virtually endless.



How does it perform?

LAMINEX COMPACT laminate 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.

LAMINEX® COMPACT *laminate*

The excellent mechanical and physical properties of **LAMINEX COMPACT *laminate*** 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 many other products and surfaces from the **LAMINEX** brand.

LAMINEX COMPACT *laminate* 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

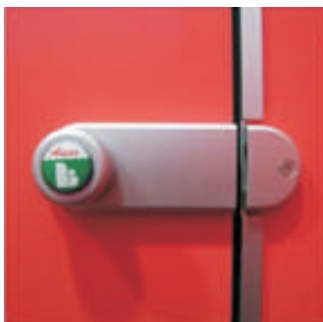
STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
1835 x 1820mm 3670 x 1820mm	13mm	<ul style="list-style-type: none">• Shower & Toilet Cubicles• Office Worktops• Interior Wall Cladding• Lockers• Kitchen Benchtops & Cabinetry• Educational Furniture• Durable Furniture

LAMINEX COMPACT *laminate*

Inspire Your Commercial Space

LAMINEX COMPACT *laminates* are a decorative panel designed for interior use across an incredibly broad range of applications. It is durable, immensely practical and perfect for design driven applications. With a contemporary palette of colours and finishes to work with, LAMINEX COMPACT *laminate* provides the ultimate in beauty, strength and practicality.

Manufactured using 



LAMINEX COMPACT *laminare material properties*

PROPERTY	UNIT	COMPACT LAMINATE PROPERTIES		STANDARD*
		MULTIPURPOSE	INNOVATIONS	
Physical Properties				
Specific Gravity (minimum)	Kg/m ³	1350	1350	EN 438-4
Weight 13mm thickness	Kg/m ²	18.5	18.5	
Panel Tolerance				
Length	mm	+/.5	+/.5	
Width	mm	+/.5	+/.5	
Thickness 13mm	mm	+/.0.60	+/.0.60	
Flatness	mm/m	≤3	≤3	
Optical Properties				
Colour Stability	Grey Scale	Minimum 4	Minimum 4	AS/NZS 2924.1
	Blue Wool Scale	Minimum 6	Minimum 6	
Stain Resistance Groups 1 and 2	Rating	Pass	Pass	
Stain Resistance Groups 3 and 4	Rating	Pass	Pass	
Mechanical Properties				
Modulus of Elasticity	Mpa	≥9000	≥9000	EN 438-4
Tensile Strength	Mpa	≥60	≥60	EN 438-4
Flexural Strength	Mpa	≥80	≥80	EN 438-4
Craze Resistance	Rating	Pass	Pass	AS/NZS 2924.1
Impact Resistance	cm	Pass	Pass	AS/NZS 2924.1
Immersion in Boiling Water	-	Pass	Pass	AS/NZS 2924.1
Scratch Resistance [#]	N	Pass	Pass	AS/NZS 2924.1
Stability at Elevated Temperature	%	Pass	Pass	AS/NZS 2924.1
Wear Resistance	Cycles	Pass	Pass	AS/NZS 2924.1
Wet Heat Resistance at 100°C	Rating	Pass	Pass	EN 438-4
Steam Resistance	Rating	Pass	Pass	AS/NZS 2924.1
Thermal Properties				
Thermal Conductivity Coefficient	W/mK	+/.0.3	+/.0.3	DIN 52612
Cigarette Burns	Rating	Pass	Pass	AS/NZS 2924.1
Dry Heat at 180°C	Rating	Pass	Pass	AS/NZS 2924.1
Fire Properties				
Fire Hazard Indices	Range			AS/NZS 1530.3
Ignitability	0 - 20	10	12	
Spread of Flame	0 - 10	0	0	
Heat Evolved	0 - 10	2	4	
Smoke Developed	0 - 10	4	3	
Cone Calorimeter				
Group Number	1-3	3	3	AS/NZS 3837
Average Specific Extinction Area	m ² /Kg	8	31	

* AS/NZS 2924.1: compact general purpose standard (CGS) material type. # Minimum 1N for darker colours.

LAMINEX COMPACT *laminate added benefits*

Minimise Waste

The standard sizes of **LAMINEX COMPACT** *laminate* 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.

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.

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 Group Product Catalogue or visit www.thelaminexgroup.co.nz

For further information including technical and fabrication details refer to The Laminex Group product catalogue or visit www.thelaminexgroup.co.nz



Standard Offer Details

MULTIPURPOSE COMPACT LAMINATE	
Finish	Natural
Colours	11 Standard Colours
Fire Resistance	Not Standard
Thickness	13mm
Decorated	Double Sided
Core	Black
Panel Dimension	3670 x 1820mm 1835 x 1820mm

INNOVATIONS COMPACT LAMINATE	
Finish	Natural
Colours	1 Standard Colour
Fire Resistance	Not Standard
Thickness	13mm
Decorated	Double Sided
Core	Black
Panel Dimension	3670 x 1820mm 1835 x 1820mm



For more product information, samples or order enquiries please contact Freeform Laminates:
tel: 03-343 1515 email: sales@freeform.co.nz fax: 03-343 1518 web: www.freeform.co.nz

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Inspire your space®