

LAMINEX[®] COMPACT LAMINATE



Laminex[®]
Inspire your space

Laminex® Compact Laminate is a decorative panel designed for interior use across an incredibly broad variety of interior applications, both vertically and horizontally. It's durable, immensely practical, and perfect for design driven applications. Available in a range of contemporary decors, Laminex Compact Laminate provides the ultimate in beauty, strength and practicality.

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, panels are strong, self-supporting, moisture resistant, and durable. Depending on the application, the standard panel thickness is 13mm, 16mm or 18mm. Panels have a black core that when machined, presents a distinctive black edge. In addition, Laminex Compact Laminate offers integrated decorative surfaces, available in selected options from the Laminex Colour Palette and Laminex Innovations® range.

WHERE CAN IT BE USED?

Usage options for Laminex Compact Laminate are virtually endless. These include shower and toilet cubicles, interior wall linings, tabletops, laboratory worktops, lockers, office furniture, cabinets, and kitchen benchtops.

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, all backed by a 10 year warranty. So when durability and functionality are a must, look no further than Laminex Compact Laminate.

WHAT CHOICE IS AVAILABLE?

Laminex Compact Laminate comes in three ranges, each with its own particular properties, applications, and decors. Multipurpose, Innovations, and Laboratory Compact Laminate are explained in detail on the following pages.



Left: Laminex Innovations Compact Laminate Shower Cubicle **Electro Silver**. Right Laminex Laboratory Compact Laminate Laboratory Worktop **Parchment**



Laminex® Multipurpose Compact Laminate has inherent flexibility and is the mainstay of the Laminex Compact Laminate family. A versatile panel suitable for a variety of internal applications, Laminex Multipurpose Compact Laminate performs with exceptional wear, impact, and moisture resistance. Excellent mechanical and physical properties make it ideal for use in all public and leisure spaces, and for furniture requiring durability in design. A self-supporting panel, it can be used with minimal structural support, providing a clean, uninterrupted, minimal look. The decor range has been selected from the Laminex Colour Palette meaning that panels can easily integrate and coordinate with many other Laminex products and surfaces. Laminex Multipurpose Compact Laminate has a high resistance to organic solvents such as acetone, toluene, xylene, and similar substances. Panels are also resistant to disinfectants and cleaning chemicals as well as food juices and dyes. However, where concentrated, strong acids are frequently used, Laminex Laboratory Compact Laminate is recommended. The range has been selected from the Laminex Colour Palette and features in the Laminex Partitioning System range. These decors also integrate with a large selection of options from the Laminex Commercial Palette.

30 DECORS ■ VERTICAL OR HORIZONTAL APPLICATIONS ■ WEAR & IMPACT RESISTANT





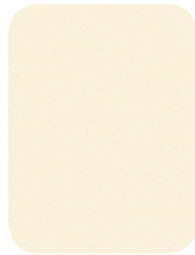
COLOUR RANGE



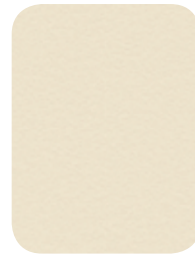
Polar White



Parchment



New Antique White



Pumice



Platinum Micro



Oyster Grey



Alaskan



Zincworks



Hakata



Baye



Moose



New Graphite



Seasoned Oak



Oyster Linea



Stipple Seal



Lustrous Elm



Brescia



Fossil



Stipple Hemp



Husk



Tawny Linewood



Nocturne Oak



Licorice Linea



Blackened Linewood



Olive



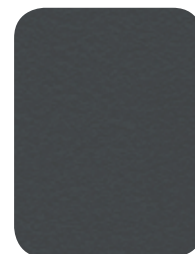
Mandarin



Pillarbox



Olympia Blue



Charcoal



Black

SPECIFICATIONS

STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
3670 x 1820mm*	13mm* 18mm**	Shower & Toilet Cubicles Office Worktops Interior Wall Cladding Lockers Kitchen Benchtops & Cabinetry Educational Furniture Durable Furniture Table Tops

* Available ex local stock (decorated on both sides, natural surface finish).

** Available in selected colours ex local stock (decorated on both sides, natural surface finish).

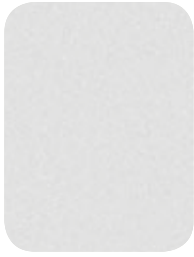


Laminex Innovations® Compact Laminate shares the same structural base as the Laminex Multipurpose Compact Laminate offer with enhanced surface performance. This select range of stunning metallic decors is manufactured using Electron Beam Curing (EBC) surface technology. These enhanced surface properties open up an exciting new world of design, and suit applications where aesthetics, durability, and ease of cleaning or hygiene are paramount. Panels are suitable for horizontal or vertical interior applications and are directional, which means variations in panel orientation or viewing angle will alter the perceived metallic effect of the panel.

6 DECORS ■ STUNNING METALLIC DECORS ■ ENHANCED SURFACE PERFORMANCE



COLOUR RANGE



Electro Silver



Electro Graphite



Electro Gold



Electro Copper



Electro Limegold

Note: Colours are directional and will change subtly according to viewing angle and panel orientation.
Innovations Compact Laminate colours are also available in 0.9mm laminates. See the Laminex Innovations brochure for full details.

SPECIFICATIONS

STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
3670 x 1820mm*	13mm*	Shower & Toilet Cubicles Office Worktops Interior Wall Cladding Lockers Kitchen Benchtops & Cabinetry Educational Furniture Durable Furniture Table Tops

* Available ex local stock (decorated on both sides, natural surface finish).



Laminex Laboratory Compact Laminate worktops are a critical element of laboratory furniture and generally the most vulnerable to damage. Therefore, the selection of material used for worktops is vital to the efficient and effective functioning of the laboratory environment. Laminex Laboratory Compact Laminate uses EBC technology and meets stringent worktop requirements with the added benefit of a quality appearance. Laminex Laboratory Compact Laminate resists most aggressive chemicals or stains. Surfaces can also be exposed to temperatures up to 180°C for short-term exposures of up to 20 minutes, without any adverse effect, including no loss of mechanical strength. Because of the panel sizes, Laminex Laboratory Compact Laminate can be converted into worktops for most sizes with minimal joins. The machinability is similar to that of hardwood, making it possible to incorporate drip-cups tap-holes and sinks. The range of decors has been selected from the Laminex Colour Palette and integrates with the Laminex Commercial Palette.

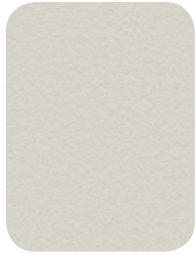
ADVANCED PROTECTION AGAINST SCIENTIFIC MATERIALS - LABORATORY APPLICATIONS



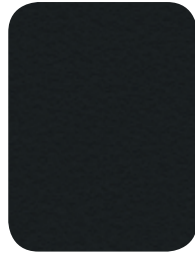
COLOUR RANGE



Parchment



Oyster Grey



Black

SPECIFICATIONS

STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
2550 x 1860mm* 3050 x 1530mm*	16mm*	Laboratory Furniture Laboratory Worktops

* Available ex stock (decorated on one side, natural surface finish).

Small surface differences in colour and finish may be identified when comparing the surface with the Laminex Colour Palette sample chips.

LAMINEX LABORATORY COMPACT LAMINATE

CHEMICAL RESISTANCE

		NO EFFECT	EXCELLENT	GOOD	FAIR	FAILURE
ACID						
Hydrochloric Acid	37%	X				
Sulphuric Acid	33%	X				
Sulphuric Acid	98%		X			
Nitric Acid	20%	X				
Nitric Acid	30%		X			
Nitric Acid	65%			X		
Phosphoric Acid	85%	X				
Acetic Acid	99%	X				
Hydrofluoric Acid	48%					X
Chromic Acid	60%	X				
BASES						
Ammonium Hydroxide	28%	X				
Sodium Hydroxide	46%	X				
SALT						
Silver Nitrate	1%	X				
Potassium Permanganate	10%		X			
Ferric (III) Chloride	10%	X				
Copper Sulphate	10%	X				
Sodium Hypochlorite	13%	X				
Sodium Chloride	10%	X				
ORGANIC CHEMICALS						
Formaldehyde	37%	X				
Furfural			X			
Phenol w/v Water	85%		X			
SOLVENT**						
Acetone		X				
Ethylalcohol		X				
Ethylene Glycol		X				
Methylethylketone		X				
Dichloromethane		X				
Ethylacetate		X				
Acetic Anhydride		X				
n-Butyl Acetate		X				
n-Hexane		X				
Methylalcohol		X				
Methylisobutylketone		X				
Tetrahydrofurane		X				
Toluene		X				
Trichloroethylene		X				
Xylene		X				
BIOLOGICAL STAIN						
Acridine Orange	1%	X				
Basic Fuchsin	1%	X				
Carbol Fuchsin	1%		X			
Malachite Green Oxalate	1%	X				
Methylene Blue	1%	X				
Methyl Violet 2B	1%	X				
Wright Stain	1%	X				
Gentian Violet (dye)	1%	X				
Iodine 0.05M				X		
MOST CONVENTIONAL CLEANING AGENTS		X				

Test procedure: The test was conducted by applying 5 drops of each reagent on the surface covered with a watch glass (except for those marked **). Chemicals marked ** were tested using a saturated cotton wool ball covered by a bottle. The chemicals were tested over a period of 24 hours, rinsed off with water and evaluated. **No effect:** No detected stain, loss of gloss or change in work surface material. **Excellent:** Slight stain or loss of gloss, but no change to the function, smoothness or life of the work surface material. **Good:** A clearly discernible stain or loss of gloss, but no change to the function, smoothness or life of the work surface material. **Fair:** Unacceptable staining or discernible deterioration or etching of the work surface material. **Failure:** Severe stain or moderate deterioration, pitting cratering or etching of work surface material. All information is based on our current knowledge. It is intended as information concerning our products and their application possibilities, and is therefore not intended for any form of guarantee with regard to any specific product characteristic. Test results differ per colour. Please note: Laminex Laboratory Compact Laminate samples are available upon request. We recommend that you test the Laminex Laboratory Compact Laminate material in situ with the chemical most likely to be in contact with the product before purchasing.



MATERIAL PROPERTIES

PROPERTY	UNIT	COMPACT LAMINATE PROPERTIES			STANDARD*
		MULTIPURPOSE	INNOVATIONS	LABORATORY	
PHYSICAL PROPERTIES					
Specific Gravity (minimum)	Kg/m3	1350	1350	1350	EN 438-4
Weight 13mm thickness	Kg/m2	18.5	18.5	-	
Weight 16mm thickness	Kg/m2	-	-	22.5	
Weight 18mm thickness	Kg/m2	25.2	-	-	
PANEL TOLERANCE					EN 438-4
Length	mm	+/-5	+/-5	+/-5	
Width	mm	+/-5	+/-5	+/-5	
Thickness 13mm	mm	+/-0.60	+/-0.60	+/-0.60	
Thickness 16mm and 18mm	mm	+/-0.70	+/-0.70	+/-0.70	
Flatness	mm/m	≤3	≤3	≤3	
OPTICAL PROPERTIES					AS/NZS 2924.1
Colour Stability	Grey Scale	Minimum 4	Minimum 4	Minimum 4	
	Blue Wool Scale	Minimum 6	Minimum 6	Minimum 6	
Stain Resistance Groups 1 and 2	Rating	Pass	Pass	Pass	
Stain Resistance Groups 3 and 4	Rating	Pass	Pass	Pass	
MECHANICAL PROPERTIES					
Modulus of Elasticity	Mpa	≥9000	≥9000	≥9000	EN 438-4
Tensile Strength	Mpa	≥60	≥60	≥60	EN 438-4
Flexural Strength	Mpa	≥80	≥80	≥80	EN 438-4
Craze Resistance	Rating	Pass	Pass	Pass	AS/NZS 2924.1
Impact Resistance	cm	Pass	Pass	Pass	AS/NZS 2924.1
Immersion in Boiling Water	-	Pass	Pass	Pass	AS/NZS 2924.1
Scratch Resistance#	N	Pass	Pass	Pass	AS/NZS 2924.1
Stability at Elevated Temperature	%	Pass	Pass	Pass	AS/NZS 2924.1
Wear Resistance	Cycles	Pass	Pass	Pass	AS/NZS 2924.1
Wet Heat Resistance at 100°C	Rating	Pass	Pass	Pass	EN 438-4
Steam Resistance	Rating	Pass	Pass	Pass	AS/NZS 2924.1
THERMAL PROPERTIES					
Thermal Conductivity Coefficient	W/mK	+/-0.3	+/-0.3	+/-0.3	DIN 52612
Cigarette Burns	Rating	Pass	Pass	Pass	AS/NZS 2924.1
Dry Heat at 180°C	Rating	Pass	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					AS/NZS 3837
Group Number	1-3	3	3		
Average Specific Extinction Area	m2/Kg	8	31		

* AS/NZS 2924.1: COMPACT GENERAL PURPOSE STANDARD (CGS) MATERIAL TYPE. # MINIMUM 1N FOR DARKER COLOURS.

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. Visit laminex.com.au for additional technical information and fabrication details.

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. For further information visit laminex.com.au

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. For further information visit laminex.com.au

HANDLING AND STORAGE

For safe material handling procedures refer to the Laminex Compact Laminates MSDS or visit laminex.com.au.



STANDARD OFFER DETAILS

MULTIPURPOSE COMPACT LAMINATE	
Finish	Natural
Colours	30 Standard Colours
Thickness	13mm x 27 colours 18mm x 4 colours
Decorated	Double Sided
Core	Black
Panel Dimension	3670 x 1820mm

Please note that the above 34 item combinations are the supported product offer.

INNOVATIONS COMPACT LAMINATE	
Finish	Natural
Colours	5 Standard Colours
Thickness	13mm
Decorated	Double Sided
Core	Black
Panel Dimension	3670 x 1820mm

Please note that the above 5 item combinations are the supported product offer.

LABORATORY COMPACT LAMINATE	
Finish	Natural
Colours	3 Standard Colours
Thickness	16mm
Decorated	Single Sided
Core	Black
Panel Dimension	2550 x 1860mm 3050 x 1530mm

Please note that the above 3 item combinations are the supported product offer.



Laminex®

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For a free sample chip call 1800 002 204. For more information visit laminex.com.au or call 132 136.

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