

Laminex®

COMPACT *laminata*





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.

This page: Laminex Multipurpose Compact Laminate Lockers **Parchment**
Front page: Laminex Multipurpose Compact Laminate Tabletop **Polar White**

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. 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. **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 *laminates* 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, kitchen benchtops. The options are virtually endless.

How does it perform?

LAMINEX COMPACT *laminates* 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.

What choice is available?

LAMINEX COMPACT *laminates* come in three ranges, each with its own particular properties, applications, and colours. **MULTIPURPOSE COMPACT** *laminates*, **INNOVATIONS COMPACT** *laminates*, and **LABORATORY COMPACT** *laminates* are explained in detail on the following pages.



Above: Laminex Innovations Compact Laminate
Shower Cubicle **Electro Silver**



Above: Laminex Laboratory Compact Laminate
Laboratory Worktop **Parchment**

LAMINEX MULTIPURPOSE COMPACT *laminate*

As the name suggests, this range 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.

The excellent mechanical and physical properties of **MULTIPURPOSE 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 MULTIPURPOSE 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. However, where concentrated, strong acids are frequently used, **LAMINEX LABORATORY COMPACT *laminate*** is recommended.

Specifications

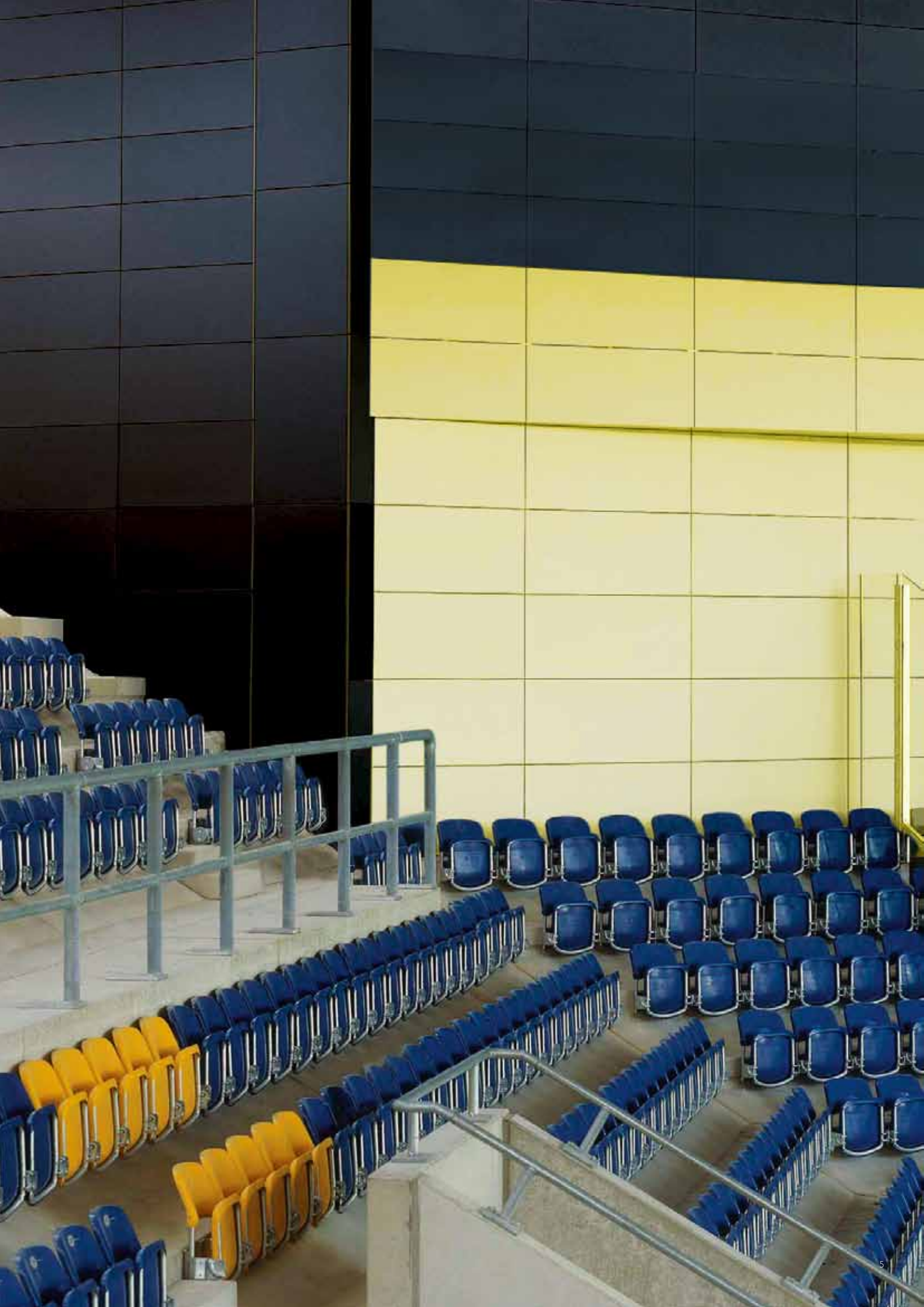
STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
3670 x 1820mm*	13mm* 18mm** 6,8,10,12,20mm***	<ul style="list-style-type: none">• Shower & Toilet Cubicles• Office Worktops• Interior Wall Cladding• Lockers• Kitchen Benchtops & Cabinetry• Educational Furniture• Durable Furniture

* 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).

*** Available on request. Subject to minimum order requirements of 100+ panels.
Extended lead times apply.

Opposite page: Laminex Multipurpose Compact Laminate Interior Wall Cladding **Charcoal and Olive**



LAMINEX MULTIPURPOSE COMPACT *laminare*

The LAMINEX MULTIPURPOSE COMPACT *laminare* colour range has been selected from the LAMINEX *colour palette* and the range is also featured in the Laminex Partitioning System offer. The range of colours integrate with a large selection of options from the LAMINEX COMMERCIAL *palette*. Additional colours from the LAMINEX *colour palette* are available for 100+ sheet orders. Extended lead times will apply.



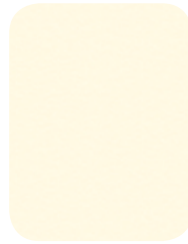
Laminex Multipurpose Compact Laminate Benchtops, Cabinets and Splashback Parchment Fridge Surround Pillarbox



Polar White



Parchment



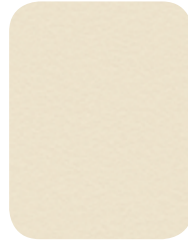
New Antique White



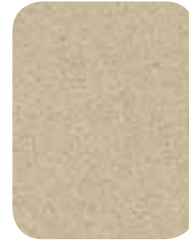
Alaskan



Platinum Micro



Pumice



Stipple Hemp



Brook Pebble



Oyster Grey



Zincworks



Stipple Seal



New Graphite



Fossil



Licorice Linea



Black



Charcoal



Blackened Linewood



Fudge Stream



Nocturne Oak



Seasoned Oak



Oyster Linea



Tawny Linewood



Bronzeworks



Olive



Mandarin



Pillarbox



Olympia Blue

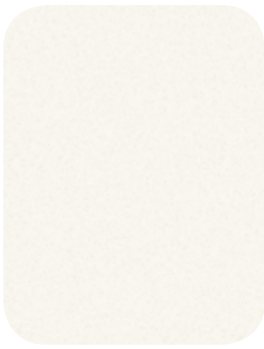
LAMINEX INNOVATIONS® COMPACT *laminate*

This range shares the same structural base as the **LAMINEX MULTIPURPOSE COMPACT *laminate*** offer with enhanced surface performance. **LAMINEX INNOVATIONS COMPACT *laminate*** is a select range of stunning metallic colours, manufactured using Electron Beam Curing (EBC) surface technology. These enhanced surface properties open 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. That is, variations in panel orientation or viewing angle will alter the perceived metallic effect of the panel.



Laminex Innovations Compact Laminate Doors **Electro Graphite** Panels **Electro Silver**



Electro Pearl



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* 6,8,10,12,20mm**	<ul style="list-style-type: none"> • Shower & Toilet Cubicles • Office Worktops • Interior Wall Cladding • Lockers • Kitchen Benchtops & Cabinetry • Educational Furniture • Durable Furniture

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

** Available on request. Subject to minimum order requirements of 100+ panels. Extended lead times apply.

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. Because of this, durability, chemical resistance and reliability are key factors to be considered in selecting surface material.

LAMINEX LABORATORY COMPACT *laminate* uses Electron Beam Cured technology and meet stringent worktop requirements with an added benefit – quality appearance – to provide an attractive multifunctional laboratory benchtop that enhances the workplace.

LAMINEX LABORATORY COMPACT *laminate* resists most aggressive chemicals or stains (see chart on page 12). Surfaces can 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 of most sizes with minimal joins, thereby reducing the risk of contamination and simplifying the cleaning process.

The machinability of **LAMINEX LABORATORY COMPACT *laminate*** is similar to that of hardwood, making it possible to incorporate drip-cups, tap-holes and sinks.

Panels do not support the growth of bacteria, fungi or other micro-organisms as these are unable to grow or penetrate the surface, making **LAMINEX LABORATORY COMPACT *laminate*** ideal for sterile areas. Worktops are extremely resistant to most histological and microscopical dyes and stains. They are suitable for using radio-labelled compounds and withstand conventional organic solvents and soap-based cleaning agents.

The non-reflective surface of **LAMINEX LABORATORY COMPACT *laminate*** is warm to the touch and therefore ideal not only for conducting experiments but also comfortable for administrative work.

The range of colours has been selected from the **LAMINEX *colour palette*** and integrates with the **LAMINEX COMMERCIAL *palette*** and **LAMINEX MULTIPURPOSE COMPACT *laminate*** offer.



LAMINEX LABORATORY COMPACT *laminata*

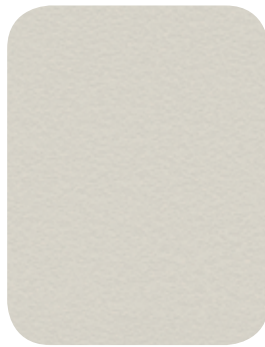
Chemical Resistance

		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			
Solvents**						
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 Laminata samples are available upon request. We recommend that you test the Laminex Laboratory Compact Laminata material in situ with the chemical most likely to be in contact with the product before purchasing.



Parchment



Oyster Grey



Black

Specifications

STANDARD SHEET SIZE	STANDARD THICKNESS	TYPICAL APPLICATIONS
2550 x 1860mm* 3050 x 1530mm*	13,20mm** 16mm*	<ul style="list-style-type: none">• Laboratory Furniture• Laboratory Worktops

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

** Available on request. Subject to minimum order requirements. Extended lead times apply.

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



LAMINEX COMPACT *lamin*ate material properties

PROPERTY	UNIT	COMPACT LAMINATE PROPERTIES			STANDARD*
		MULTIPURPOSE	INNOVATIONS	LABORATORY	
Physical Properties					
Specific Gravity (minimum)	Kg/m ³	1350	1350	1350	EN 438-4
Weight 13mm thickness	Kg/m ²	18.5	18.5	-	
Weight 16mm thickness	Kg/m ²	-	-	22.5	
Weight 18mm thickness	Kg/m ²	25.2	-	-	
Panel Tolerance					
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					
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					
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. Refer to the Laminex Product Catalogue or visit laminex.com.au for additional technical 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 refer to the Laminex Product Catalogue or 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 refer to the Laminex Product Catalogue or visit laminex.com.au

Handling and Storage

For safe material handling and storage procedures refer to the Laminex Product Catalogue and MSDS or visit laminex.com.au

Standard Offer Details

MULTIPURPOSE COMPACT LAMINATE	
Finish	Natural
Colours	27 Standard Colours
Fire Resistance	Not Standard
Thickness	13mm x 27 colours 18mm x 4 colours
Decorated	Double Sided
Core	Black
Panel Dimension	3670 x 1820mm

Please note that the above 31 item combinations are the supported product offer.

INNOVATIONS COMPACT LAMINATE	
Finish	Natural
Colours	6 Standard Colours
Fire Resistance	Not Standard
Thickness	13mm
Decorated	Double Sided
Core	Black
Panel Dimension	3670 x 1820mm

Please note that the above 6 item combinations are the supported product offer.

LABORATORY COMPACT LAMINATE	
Finish	Natural
Colours	3 Standard Colours
Fire Resistance	Not Standard
Thickness	16mm
Decorated	Single Sided
Core	Black
Panel Dimension	2550 x 1860mm 3050 x 1530mm

Please note that the above 6 item combinations are the supported product offer.





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

LAMINEX COMPACT laminate is marketed and distributed by The Laminex Group. A division of Laminex Group Pty Limited ABN 98 004 093 092. The colours of the photographs depicted in the brochure are as close to the **LAMINEX COMPACT laminate** range as photographic lighting and modern printing processes allow. Colour/finish combinations are subject to availability. Colours/finishes shown are available at the time of publication, but may be withdrawn. Dark colours require more care and maintenance than light-coloured surfaces. The Laminex Group recommends the use of mild household cleaning products for dark colours, please refer to the Laminex Product Catalogue or visit laminex.com.au for specific care and cleaning information. Please note in certain lights or from different angles wipe down marks may be visible. **LAMINEX COMPACT laminate** should be protected from strong direct sunlight as continuous exposure may cause discolouration or fading to the surface over time. Please obtain a copy of the terms and conditions of the **LAMINEX COMPACT laminate** 10 year limited warranty from The Laminex Group or visit laminex.com.au. The warranty is in addition to any rights that may exist under the Trade Practices Act. Laminex®, Innovations®

Laminex[®]
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