

Laminex® Fusion® Surfaces

Laminex Fusion Surfaces is a revolutionary new concept in surface design. Fusion surfaces offer design professionals greater choice, flexibility and ease-of-use than ever before. You can choose from hundreds of exclusive designs and colours. Or, design your own image (called Customart). All Fusion laminates are custom made in quantities of one sheet to thousands.



APPLICATIONS

Laminex Fusion Surfaces have wide interior application in all segments, wherever there is a surface. Examples include: benchtops, table tops, wall paneling, reception desks, retail displays, furniture, P.O.S. displays, toilet partitions, cupboard doors, wall murals etc.

GRADES OF FUSION LAMINATES AVAILABLE: Standard Laminate

– 1mm general purpose laminate (non postforming).

Laminex Fusion Standard Laminate must be fully supported when bonded to substrates such as particleboard or medium density fibreboard. Do not directly bond Fusion Standard Laminate to plaster, plasterboard or concrete.

PRODUCT CHARACTERISTICS

Sheet Size: (nominal)	3600mm x 1200mm
Thickness: (nominal)	1.0mm - 13.0mm
Weight:	1.0mm: 1.7kg/m ² approx. 2.7mm: 4.4kg/m ² approx. 6.0mm: 9.9kg/m ² approx. 13.0mm: 13kg/m ² approx.
Finish:	Natural, Gloss, Dimensions

Fusion Standard Laminate - laminate tested to AS/NZS 2924.1 and ISO 4586.1

PROPERTIES

(AS/NZS 2924.1)	
PROPERTY	RESULTS
Resistance to Wear:	Initial surface wear not less than 150 cycles. Average wear not less than 350 cycles.
Resistance to Immersion in Boiling Water:	Minimal blistering evident. No delamination
Resistance to Dry Heat at 180°C:	No deterioration other than slight loss of gloss/colour.
Resistance to Steam:	No deterioration other than slight loss of gloss/colour.
Dimensional Stability:	Dimensional change of not more than 0.6% with grain and 1.1% across grain.
Resistance to Staining:	Reagents Groups 1 and 2 = No visible change. Reagents Groups 3 and 4 = Slight change of colour and/or gloss.
Resistance to Colour Change in Artificial Light*:	Not more than slight colour change in Xenon arc light Minimum 6 on Blue Wool Scale
Resistance to Cigarette Burns:	No deterioration other than moderate change in gloss and moderate brown staining.

* Fusion Standard Laminate has good colour retention in normal interior applications. However prolonged exposure to sunlight may cause some change in colour. Fusion Surfaces Standard Laminate is therefore not recommended for exterior applications.

FIRE TESTS

Typically achieved when tested to AS/NZS 1530.3

Indices	Result		Range
	*	**	
Ignitability	14	12	0-20
Spread of Flame	5	0	0-10
Heat Evolved	4	2	0-10
Smoke Developed	5	4	0-10

* Laminate adhered to 33mm particleboard with neoprene adhesive.

** Laminate adhered to non combustible substrate

Typically achieved when tested to AS/NZS 3837 (Cone Calorimeter Irradiance of 50kW/m²)

Classification	Result*	Unit/Range
Group Number	1	1-3
Average Specific Extinction Area	136.9	m ² / kg

* Laminate unadhered

GREENfirst PRODUCT

Laminex Fusion Surfaces is a Greenfirst™ product and is certified by Good Environmental Choice Australia as environmentally preferable.



Aquapanel

Wall lining panel for both wet and dry areas.

For product applications and characteristics see the Aquapanel section 5.6 within this Product Catalogue. Nominal thickness is 2.7mm.

Compact Laminate

A self-supporting strong, highly durable panel.

For product applications and characteristics see Compact Laminate section 5.11 within this Product Catalogue. Nominal thicknesses are 6.0mm and 13.0mm.

Sign Grade

Designed for single sided or double-sided Customart signage applications. Product characteristics are as per Aquapanel (Section 5.6 within this product catalogue). Nominal thickness is 2.7mm.

WHEN SPECIFYING

Surface material shall be Fusion Surfaces laminate as manufactured by The Laminex Group. Surface design shall be either (Fusion surfaces design # FD or customart design). For information or to place orders go to laminex.com.au.

General Site Work Notes

Appendix 1. Handling & Product Application Guidelines
Section 9.1

Laminate Product: Care & Maintenance

Appendix 2. General Care and Maintenance
Section 9.2

Greenfirst

Section 3:1