Laminex® Fire Retardant Laminate

Laminex Fire Retardant laminate is a melamine surfaced high-pressure decorative laminate specifically designed to meet certain Australian Standards as outlined below.

APPLICATIONS

The effectiveness and suitability of Laminex Fire Retardant Laminate must be assessed and determined by the customer to meet project requirements.

PRODUCT CHARATERISTICS

Size:	2400mm x 1200mm (other sizes subject to enquiry).
Thickness:	1.0mm, 0.7mm (nominal)
Weight:	0.7mm: 1kg/m² approx. 1.0mm: 1.5kg/m² approx.
Finish:	Flint.
Colours and Pattern Range:	Refer to current Product Availability Chart.

FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Results 0.7mm	Results 1.0mm	Range
Ignitability	8	7	0-20
Spread of Flame	0	0	0-10
Heat Evolved	1	0	0-10
Smoke Developed	4	3	0-10

Laminate tested free standing.

Typical Cone Calorimeter AS/NZS 3837 (Irradiance of 50kW/m²)

Classification	Result	Unit/Range
Group Number	1	1-3
Average Specific Extinction Area	27.3*, 15.8**	m² / kg

* 0.7mm Laminate unadhered
**1.0mm Laminate unadhered

Laminex Fire Retardant laminate conforms with AS/NZS 2924.1 for high-pressure decorative laminates.

Note: Laminex Fire Retardant Laminate is adhered on the surfaces of panels; but the laminate itself has no significant effect on the fire retardancy of the substrate to which it is bonded, so the core construction selected must itself give the required level or fire retardancy

PROPERTIES

(AS/NZS 2924.1)

PROPERTY	REQUIREMENT
Resistance to Surface Wear:	Initial wear not less than 150 cycles. Average wear not less than 350 cycles.
Resistance to Immersion in Boiling Water:	No deterioration other than slight loss of gloss. Gain in weight of not more than 13.5% (0.7mm).
Resistance to Dry Heat at 180°C:	No deterioration other than slight loss of gloss and/or colour.
Resistance to Steam:	No deterioration other than slight change of gloss and/or colour.
Dimensional Stability:	Dimensional change of not more than 0.70% with grain and 1.2% across grain (0.7mm).
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.

* Laminex Fire Retardant laminate has good colour retention and dimensional stability in normal interior applications. However, prolonged exposure to sunlight may cause shrinkage and/or some change in colour. Laminex Fire Retardant laminate is therefore not recommended for external applications or interior applications with prolonged exposure to direct sunlight

WHEN SPECIFYING

Surfacing shall be Laminex Fire Retardant laminate of a nominal thickness of .....mm, as manufactured by Laminex. Colours and/or patterns shall be ..... in .... finish.

SITE WORK NOTES

Laminex Fire Retardant can be bonded to a variety of approved fire retardant substrates using Resorcinol Formaldehyde or Neoprene adhesives for best fire retardant properties. Laminex Fire Retardant is not recommended for application directly to plaster, plasterboard or concrete.

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

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