

# Laminex® Vertical Grade Laminates

Laminex® Vertical Grade Laminates are thin decorative high pressure laminates specifically formulated for creative visual effects. These Laminates are included in the Laminex Innovations® range.



## APPLICATIONS

Laminex® Vertical Grade Laminates are used for light duty interior vertical applications such as cabinet end panels, recess linings, door skins, and cupboard interiors, display cases, counter fronts, reception areas, shop fittings, boutique accommodation.

Laminex Vertical Grade Laminates are designed to maximize creative surface textures and colour. Consequently Laminex Vertical Grade Laminates have low resistance to surface wear and scratching, but medium resistance to impact.

## PRODUCT CHARACTERISTICS

Sizes	3600 x 1200mm Gloss, Natural 3000 x 1200mm Crush 2400 x 1200mm Artisan, Black Riser, Corrugate, Magic, Rhythm, Rindle and Strike finishes
Thickness	0.7 mm Gloss, Natural 0.8 mm Corrugate, Crush, Magic, Rhythm, Rindle, Strike 1.0 mm Artisan 1.2 mm Black Riser
Weight	1.0 kg/m <sup>2</sup> approx. for 0.7mm product
Finish	Gloss, Natural, Embossed (Artisan, Black Riser, Corrugate, Crush, Magic, Rhythm, Rindle and Strike)
Colour and Finish Range	Refer to Innovations Brochure

## FIRE TESTS

Fire test data is available for a limited selection of products.

## STANDARDS

Laminex Vertical Grade Laminates have been tested to AS/NZS 2924.1 for high-pressure decorative laminates.

## PROPERTIES

(AS/NZS 2924.1)

PROPERTY*	REQUIREMENT
Resistance to immersion in boiling water <sup>#</sup>	Gloss finish: not worse than a moderate change of gloss and/or colour. Other finishes: no worse than a slight change of gloss and/or colour, when viewed at certain viewing angles. Mass increase of no more than 19% and thickness increase of no more than 2.1% for 0.7mm laminate
Dimensional stability at elevated temperature	Dimensional change of not more than 0.7% with grain and 1.2% across grain for 0.7mm laminate
Resistance to impact by small-diameter ball	Not less than 15 N spring force
Resistance to cracking under stress	No worse than hairline cracks visible under x 6 magnification
Resistance to scratching	Not less than 0.25 N force

Resistance to staining	Reagents Groups 1 and 2: No visible change. Reagents Groups 3 and 4: Not worse than a moderate change of gloss and/or colour
Resistance to colour change in xenon arc light**	Not worse than Grey scale contrast of 4 when exposed to Blue Wool 6 standard
Resistance to steam <sup>#</sup>	Not worse than a moderate change of gloss and/or colour

\* Laminex Vertical Grade Laminates have low resistance to surface wear and scratching due to either the absence of surface protective layer or due to the deep embossing.

\*\* Laminex Vertical Grade Laminates have 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 Vertical Grade Laminates are therefore not recommended for exterior applications or interior applications with prolonged exposure to direct sunlight.

# Metallic-looking laminates Gossamer, Clone collection, and Flourish collection are not resistant to steam or boiling water immersion and therefore are not recommended for use in areas of high humidity.

## WHEN SPECIFYING

Surfacing shall be Laminex Vertical Grade Laminates as supplied by The Laminex Group. Colours and/or patterns shall be ..... in ..... finish.

## SITE WORK NOTES

Some Laminex Vertical Grade Laminates come protected with a plastic film that should be left attached while the laminate is being processed. The plastic film should not be exposed to direct sunlight as it may degrade making removal more difficult and the film should be removed within 6 months of receiving the laminate.

Ensure that checks for colour, colour uniformity and surface defects are performed before the job is started.

Laminates should be stored horizontally. If this is not possible, it is recommended to store the sheets propped up on their long edge against a wall but fully supported at an 80 degree angle.

Condition for at least 48 hours in the same environment as the substrate.

When processing, ensure that the adjoining sheets are running in the same orientation otherwise variations in appearance may occur.

Embossed linear finishes such as Strike cannot be guaranteed perfectly parallel with the long edge of the laminate and machining may be required to realign the sheet edge with the embossed pattern.

## PROCESSING

Laminex Vertical Grade Laminates should be fully supported by substrate when glued. Do not bond directly to plaster, plasterboard or concrete.

Laminex Vertical Grade Laminates should be bonded to Trade Essentials Particleboard or Craftwood MDF using Trade Essentials Contact Adhesives or Cross-Linking PVA adhesives.

Refer to the adhesive manufacturer's directions for correct fabrication instructions.

### 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