

# Laminex® Vinyl Doors

Laminex Vinyl Doors are produced on 18.0mm thick Polar White single sided Lamiwood MR with thermoformable vinyl foil, ready for the trades person to install. The Vinyl Door range includes gloss, satin and textured surface finishes with a quality sheen that is durable and easy to clean.



## APPLICATIONS

Vinyl Doors are designed for use in many domestic and commercial interior furniture applications, such as kitchen cupboard doors, bathroom vanities, laundry cupboards, built-in cupboards and display units.

It is important to be aware that due to the Craftwood MR core, Vinyl Doors are only recommended for interior applications.

Whilst the door size range covers all domestic componentry door requirements, some minimum size restrictions do apply due to the machining constraints (refer to the Laminex Vinyl Door Easy Reference Chart).

## THICKNESS

18mm.

## SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2-2001)

### THICKNESS

Property	Unit	18mm
Board Density	kg/m <sup>3</sup>	735
Internal Bond	KPa	900av.
Modulus of Rupture	MPa	43av.
Modulus of Elasticity	MPa	3600av.
*Screw Holding – Face	N	1000av.
*Screw Holding – Edge	N	1600av.
Surface Soundness	MPa	1.7
Thickness Swell 24 hrs	%	<4
Moisture Resistance MOR(A)	MPa	9.7

\*Values reflect new testing methods for screw holding properties in AS/NZS 4266.13-2001 (Int).

## DOOR DESIGN RANGE

The vinyl gloss and satin finish doors are available in 7 solid door designs and 7 co-ordinating glazing doors to match.

Vinyl textured finish doors are available in 11 door designs and 13 co-ordinating glazing doors to match.

The vinyl textured door offer is completed by the inclusion of vinyl surfaced panels in almost any size, matching cornice capping and loose foil, to enable trades people to offer a completely vinyl finished product.

The Vinyl Door range allows for creation of country, classic through to the most contemporary looks for interior furniture. The doors also come with a 7-year limited warranty.

To see the full range phone 132 136 for a copy of the Laminex Vinyl Door brochure.

## WEIGHT

Thickness	18mm
kg per m <sup>2</sup>	13.3

## MATCHING VINYL DOORS WITH OTHER PANEL MATERIALS

Different surface materials, such as vinyl, paint and melamine have different degrees of UV stability. This should be considered if mixing materials in the one application, such as a kitchen, as the different surface materials may fade at different rates over time.

## MINIMUM SPECIFICATIONS FOR NUMBER OF HINGES PER DOOR DEPENDING ON HEIGHT

Door Height	Hinge Quantity
0-850mm	2
851mm-1350mm	3
1351mm-1800mm	4
1801mm-2400mm	5

Door bow can further be minimised by avoiding large size doors and bar panels. For example, split pantry doors (rather than one tall door) and individual doors for bar panels are recommended.

## Surface Finish Care and Cleaning

Do not use abrasive powder, solvent based or cream cleaners, scouring pads, wire/steel wool etc.

Do not allow hot objects – such as saucepans or irons to come in contact with your vinyl surface finish.

Doors/Panels can easily be cleaned using warm soapy water and a soft cloth or sponge, (a soft nail or tooth brush may be used for hard to reach areas) towel dry afterwards.

Stubborn stains and marks (such as ball-point ink) should be removed as soon as possible by gently wiping the area with methylated spirits.

Direct exposure to sunlight should be avoided on all doors and panels as fading, bleaching or yellowing may occur.

## Precautions where Wall Ovens are installed

Do not allow heat, hot gases and fumes produced by a wall oven to come in contact with the cupboard doors and panels surrounding the wall oven. We recommend ducted exhaust installation (see the wall oven manufacturers specifications), and regular inspection of the oven door function including the condition of the door seal, to avoid damage such as delamination or discoloration caused by leakage.

With all ovens ensure that oven doors are securely closed to avoid heat escape.

A heat deflector shield will have to be installed if the oven front panel exhaust is used which would allow hot gases to come in contact with cupboard doors or panels, please check with the wall oven manufacturer. (see top right)



Oven side view with ducted exhaust



Oven side view with front exhaust



## Precautions where benchtop Hot Plates are installed

Do not use benchtop hot plates without the rangehood exhaust fan activated. The hot plates when in use will generate high temperatures and cooking fumes, which if not exhausted efficiently, will lead to excessive heat build up and will damage the cupboard doors or panels surrounding the cooktop. We also recommend regular inspection of the exhaust fan function including filter condition for efficient operation.

## FIRE TESTS- VINYL SURFACE

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Gloss	Satin & Texture	
	Result	Result	Range
Ignitability	12	13	0-20
Spread of Flame	6	6	0-10
Heat Evolved	5	5	0-10
Smoke Developed	7	6	0-10

## DOOR INSTALLATION

As the door substrate is a wood based panel, it will react to changes in moisture, as will natural timber, and hence humidity variations will influence the extent to which doors will bow. The effect of door bow can be minimised by following the minimum specifications for number of door hinges per door.

## FIRE TESTS - SUBSTRATE

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Result	Range
Ignitability	13	0-20
Spread of Flame	6	0-10
Heat Evolved	6	0-10
Smoke Developed	4	0-10

## FIRE TESTS OF COMPLETE DOOR

Cone Calorimeter AS/NZS 3837 (Irradiance of 50kw/m<sup>2</sup>)

Classification	Result	Unit/Range
Group Number	3	1-3
Average Specific Extinction Area	65.3	m <sup>2</sup> / kg

Board Product: Site Work Notes  
Appendix 3. Handling & Product Application  
Section 9:3

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