

Formica® Vinyl Doors

Formica Vinyl Doors are produced on 18mm White single sided MR MDF with thermoformable vinyl foil, ready for the trades person to install. The Vinyl Door range includes Gloss, Pearl and Velvet finishes with a quality surface 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 cabinet doors, bathroom vanities, laundry cupboards, built-in cupboards and display units.

It is important to be aware that 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.

THICKNESS

18mm.

WEIGHT

Thickness	18mm
kg per m ²	13.0

SUBSTRATE PROPERTIES

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

THICKNESS

Property	Unit	18mm
Board Density	kg/m ³	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 doors are available in a range of door profile styles

The vinyl door offer comes in a range of contemporary solid colours and woodgrain patterns from the Formica Colour Collection.

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

Note: The Formica Vinyl samples may vary slightly from the Formica Laminate samples due to the difference in material. Please refer to the Formica Vinyl Doors samples swatches for actual colour of Formica Vinyl Doors.

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

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.

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.

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

As with all high quality furniture finishes care must be used in cleaning and maintenance.

Use only warm water (35°C) with pure soap (eg. Sunlight bar soap) and a soft cloth (eg. micro fibre) to clean and dry vinyl surfaces. Do not use abrasive cleaners, strong household cleaners or detergents, particularly those containing hydroxide ions or solvents. Do not use scouring pads, steel wool or other harsh materials.

If the vinyl surface comes into contact with any strong cleaning product or detergent, promptly rinse off with warm water, ensuring that all residue from the cleaner is removed.

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

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 below)



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 - SUBSTRATE

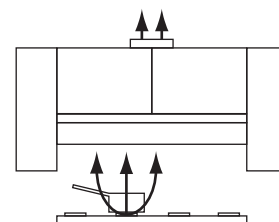
(Typically achieved when tested to AS/NZS 1530.3)

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

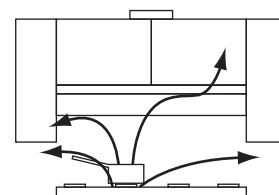
FIRE TESTS OF COMPLETE DOOR

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

Classification	Result	Unit/Range
Group Number	3	1-3
Average Specific Extinction Area	122.4	m ² / kg



Fan on



Fan off



FIRE TESTS- VINYL SURFACE

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Result	Range
Ignitability	11	0-20
Spread of Flame	9	0-10
Heat Evolved	6	0-10
Smoke Developed	8	0-10

Board Product: Site Work Notes

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Board Product: Shelf Loadings

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