

Formica® Melamine Doors

The Formica Melamine Door range is available in a selected range of Formica Colorpanel® MR colours. These doors and panels are available in either 3mm radius profile, 7mm radius profile, or Square Edged, all with matching ABS edging. The Square Edged offer is also available in Gloss melamine finish.



APPLICATIONS

Formica® Melamine Doors are suitable for use in all areas of high humidity, such as kitchen cupboard doors, bathroom vanities, laundry cupboards, shelving, wall panelling and all domestic and commercial furniture applications.

SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2)		
THICKNESS		
Property	Unit	16mm
Board Density	kg/m ³	730
Internal Bond	MPa	0.90av.
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).

WEIGHT

Thickness	16mm
kg per m ²	11.7

THICKNESSES

16mm.

DIMENSIONAL STABILITY

Length 0.4%, Thickness 5.0%, with changes from 35% Relative Humidity to 85% Relative Humidity (relative to datum point of 65% relative humidity).

DECORATIVE SURFACE PROPERTIES

Formica MR MDF, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3 for substrate properties as below:

FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)		
Indices	Result	Range
Ignitability	14	0 to 20
Spread of Flame	8	0 to 10
Heat Evolved	7	0 to 10
Smoke Developed	4	0 to 10

Cone Calorimeter AS/NZS 3837 (Irradiance of 50kw/m ²)		
Classification	Result	Unit/Range
Group Number	3	1-3
Average Specific Extinction Area	90.1	m ² / kg

MOISTURE RESISTANCE

Formica Melamine Doors complies with Wet Cyclic Test Moisture Resistance Properties as specified in AS/NZS 1859.2.

RESISTANCE TO WEAR Solid Colours

Typical results 700 cycles.

Patterns and Woodgrains

Typical results 150 cycles.

RESISTANCE TO STEAM

No noticeable permeability effects.

COLOURS

Formica Melamine Doors are available in a range of Formica colours. For more information refer to the Formica Melamine Doors brochure.

Note: Colour/Finishes and product shown are available at the time of publication but may be withdrawn.

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.

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

THIRD PARTY CERTIFICATION

Formica Colorpanel and Melamine Doors are an ecospecifier GreenTag™ GreenRate level A certified product and can contribute to Green Star® points.

