

# Formica® Decorated MR® MDF

**Formica® Decorated MR® MDF is a moisture resistant medium density fibreboard, factory bonded, with hardwearing melamine impregnated decorative paper, to both sides. This product is suitable for use in areas of high humidity or where accidental wetting may occur. However, Formica Decorated MR MDF is a wood based panel and will react to changes in moisture as will natural timber.**



## APPLICATIONS

Formica® Decorated MR® MDF is designed for interior use, such as kitchen cupboards, doors, bathroom vanities, laundry cupboards, shelving, wall panelling and all commercial and domestic furniture.

Formica Decorated MR MDF can be machined and face routed with all conventional wood working tools achieving clean sharp edges.

Formica Decorated MR MDF is available in many of the Formica range of solid colours, patterns and woodgrains and in some patterns.

## SUBSTRATE PROPERTIES

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

Property	Unit	THICKNESS	
		13mm-22mm	23mm-33mm
Thickness Tolerance	mm	+/- 0.3	+/- 0.3
Density	kg/m <sup>3</sup>	730	710
Internal bond	MPa	0.90	0.70
Modulus of Rapture	MPa	43.0	38.5
Modulus of Elasticity	MPa	3600	3400
Surface Soundness	MPa	1.7	1.8
Screw Holding, Face	N	1000	1000
Screw Holding, Edge	N	1600	1600
Thickness Swell (24hr)	%	<4	<4
Wet Bending Strength (Me)	MPa	9.7	8.5

\* Values reflect new testing methods (Method A) for screw holding properties in AS/NZS 4266.13

## WEIGHT

Thickness	16mm	18mm	25mm	32mm
kg per m <sup>2</sup>	11.7	13.1	18.0	23.0

## DECORATIVE SURFACE PROPERTIES

Formica Decorated MR MDF, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3 for surface properties.

## RESISTANCE TO WEAR

### Solid Colors

Typical results >700 cycles.

### Prints and Woodgrains

Typical results >150 cycles.

## RESISTANCE TO STEAM

No noticeable permeability effects.

## FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Result	Range
Ignitability	14	0-20
Spread of Flame	8	0-10
Heat Evolved	7	0-10
Smoke Developed	4	0-10

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	90.1	m <sup>2</sup> / kg

## COLOURS

Formica Decorated MR MDF is available in many of the Formica range of solid colours & woodgrains and in some patterns. Please contact your local branch for availability.

## FINISH

Velvet, Pearl.

## SHEET SIZES AND THICKNESSES

Refer to the Formica Product Availability Chart.

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## GREENfirst PRODUCT

Formica Decorated MR MDF is a Greenfirst™ product and is certified by Good Environmental Choice Australia as environmentally preferable.



## IMPORTANT NOTE

A slight variation exists between the finishes on Formica melamine faced board products and the Formica high-pressure laminate products.

### General Site Work Notes

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### Laminate Product: Care & Maintenance

Appendix 2. General Care and Maintenance  
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### Board Product: Site Work Notes

Appendix 3. Handling & Product Application  
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### Board Product: Shelf Loadings

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