

# Formica® Decorated Particleboard MR®

**Formica Decorated Particleboard MR® is a moisture resistant particleboard, factory laminated on both sides with a hardwearing melamine decorative surface. The superior performance of Formica Decorated Particleboard MR is due to the bonding of the wood particles with a specially blended moisture resistant resin system.**



## APPLICATIONS

Formica® Decorated Particleboard MR® is suitable for use in the following applications: Kitchen cupboards, laundry cupboards, vanity units, shelving, wall linings, partitions, built-in furniture, all detail joinery where a moisture resistant decorative board is required.

## COLOURS

A wide range of colours, patterns and woodgrains are available. Please check your local branch for availability.

## MOISTURE RESISTANCE

Formica Decorated Particleboard MR complies with the Wet Cyclic Test for moisture resistance properties as specified in AS/NZS 1859.1. Refer to Physical Properties table for details.

## SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.1)

Specifications	Units	THICKNESS RANGE & TYPICAL VALUES		
		13-22mm	23-33mm	>33mm
Thickness Tolerance	mm	+/-0.3	+/-0.3	+/-0.3
Density	kg/m <sup>3</sup>	640	610	630
Internal Bond	MPa	0.80	0.70	0.60
Modulus of Rapture	MPa	17.0	15.5	17.5
Modulus of Elasticity	MPa	2300	2400	3000
Surface Soundness	MPa	1.6	1.6	1.7
Screw Holding, Face	N	700	800	800
Screw Holding, Edge	N	900	900	900
Thickness Swell (24hr)	%	<6	<5	<5
Wet Bending Strength (Me)	MPa	4.5	4.5	5.5

\* Values reflect new testing methods for screw holding properties in AS/NZS 4266.13  
In most instances the performance characteristics of the particleboard exceeds the minimum requirement of AS/NZS 1859.1. However for minimum property values refer to AS/NZS 1859.1.

## WEIGHT

Thickness	16mm	18mm	25mm	33mm
kg per m <sup>2</sup>	10.4	11.5	15.5	20.1

## FINISH

Velvet, Pearl.

## DECORATIVE SURFACE PROPERTIES

When tested in approved manner complies with the relevant sections of AS/NZS 1859.3 for surface properties as follows:

## RESISTANCE TO WEAR

### Solid Colors

Typical results >700 cycles.

### Patterns 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	61.2	m <sup>2</sup> / kg

## SHEET SIZES AND THICKNESSES

Refer to the Formica Product Availability Chart.

## 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

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## Board Product: Site Work Notes

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