

# Trade Essentials® Craftwood MR®

Trade Essentials Craftwood MR is a highly moisture resistant Medium Density Fibreboard (MDF), suitable for use in areas of high humidity, or where accidental wetting may occur. The high moisture resistant properties of Craftwood MR is due to the bonding of the wood fibres with a specially formulated moisture resistant resin system. Craftwood MR MDF is a wood based panel and reacts to changes in moisture like natural timber, ie. high or low humidity may cause some expansion or contraction without any degradation to the strength of the board.



## APPLICATIONS

Craftwood MR® MDF is designed for interior use such as kitchen cupboards, bathroom vanities, laundry cupboards, shelving, wall lining (if used with a suitable jointing system) and mouldings.

**Note:** Craftwood MR MDF is not recommended for exterior use.

## SHEET SIZES & THICKNESSES

Craftwood MR MDF is available in a large range of thicknesses and sheet sizes. See Appendix 6 page 167.

## PROPERTIES

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

Specifications	Unit	THICKNESS		
		9mm - 12mm	13mm - 22mm	23mm - 33mm
Thickness Tolerance	mm	+/-0.2	+/-0.3	+/-0.3
Board Density	kg/m <sup>3</sup>	760	730	710
Internal Bond	kPa	1.00	0.90	0.70
Modulus of Rupture	MPa	46.0	43.0	38.5
Modulus of Elasticity	MPa	3600	3600	3400
Surface Soundness	MPa	1.3	1.7	1.8
Screw Holding - Face	N		1000	1000
Screw Holding - Edge	N		1600	1600
Thickness Swell (24hr)	%	<7	<4	<4
Wet Bending Strength (Method A)	MPa	10.5	9.7	8.5
Formaldehyde level	mg/L	≤ 1.0	≤ 1.0	≤ 1.0

## WEIGHT

Thickness	9mm	12mm	16mm	18mm	25mm	32mm
kg per m <sup>2</sup>	6.9	9.0	11.7	13.1	18.0	23.0

## FIRE HAZARD INDICES

(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

## FIRE TEST RESULTS

Cone Calorimeter (Results when tested in accordance with AS/NZS 3837)

Classification	Result
Group Number	3
Average Specific Extinction Area	90.1 Kg/m <sup>2</sup>

## MOISTURE RESISTANCE

Craftwood MR complies with Wet Cyclic Test Moisture Resistance Properties as specified in the properties table below (AS/NZS1859.2).

## GREENfirst PRODUCT

Craftwood MR is a Greenfirst product and is certified by Good Environmental Choice Australia as environmentally preferable.



Craftwood MR MDF is manufactured to meet the Australian AS/NZS standard for formaldehyde emission levels (≤ 1.0mg/L).

Craftwood MR MDF is also available in the lower formaldehyde emission level E0 (≤ 0.5mg/L).

### General Site Work Notes

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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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### Sheet Size & Thickness Availability

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### Greenfirst Products

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