

Trade Essentials® Craftwood®

Trade Essentials Craftwood is a Medium Density Fibreboard (MDF). Craftwood is characterised by a stable, homogenous surface with excellent machining properties and is suitable for many types of finishing such as painting, staining, laminating and veneering. Craftwood 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 of the board.



APPLICATIONS

Craftwood® MDF is recommended for interior applications only, such as detailed joinery, lacquered furniture, furniture mouldings, built-in furniture, shelving, wall linings and partitions (if used with suitable feature jointing systems), pattern making, toys, clocks and trophies.

Note: Craftwood MDF should not be exposed to damp conditions or high humidity.

SHEET SIZES & THICKNESSES

Craftwood MDF is available in a large range of thicknesses and sheet sizes. See Appendix page 154.

PROPERTIES

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

Specifications	Units	THICKNESS RANGE & TYPICAL VALUES				
		<5mm	5-8mm	9-12mm	13-22mm	23-33mm
Thickness Tolerance	mm	+/-0.2	+/-0.2	+/-0.2	+/-0.3	+/-0.3
Density	kg/m ³	810	780	760	730	720
Internal Bond	MPa	1.10	0.90	0.75	0.60	0.50
Modulus of Rupture	MPa	41.5	40.0	38.5	34.5	31.0
Modulus of Elasticity	MPa	4400	3500	3600	3400	3400
Surface Soundness	MPa	0.6	0.6	0.9	1.2	1.4
Screw Holding, Face	N				800	800
Screw Holding, Edge	N				1000	1000
Thickness Swell (24hr)	%	<25	<16	<10	<6	<6
Formaldehyde Level	mg/L	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0

WEIGHT

Thickness	9mm	12mm	16mm	18mm	25mm	32mm
kg per m ²	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 ²

GREENfirst PRODUCT

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



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

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

General Site Work Notes

Appendix 1. Handling & Product Application Guidelines
Page 151-152

Board Product: Site Work Notes

Appendix 3. Handling & Product Application
Page 155-159

Board Product: Shelf Loadings

Appendix 3. Handling & Product Application
Pages 160-162

Sheet Size & Thickness Availability

Appendix 6
Page 167

Greenfirst Products

Page 20-21