



# MDF

## High performance MDF to bring your plans to life

Light, bright Southland pine is chosen from renewable plantation forests to provide finest quality raw material for MDF (Medium Density Fibreboard). A superbly smooth finish, uniform density and a finely textured complexion result in a range of MDF products for all your uses. Available on request as FSC® certified to ensure that your product is from a sustainable source, we also make products which comply with CARB Phase2, EPA TSCA Title VI and LEED criteria.

Created by a highly sophisticated, technologically efficient MDF manufacturing process, MDF can be delivered to you worldwide through any of our sales offices.

We invite you to work with our MDF. Cut it, shape it, and make it your own. And when the opportunity arises, tell us what you think. Your input matters to us and is a vital element in our manufacturing process.

### Applications for MDF

The nucleus of our MDF range, MDF comes in a wide range of thicknesses and is ideal for interior applications such as joinery, lacquered furniture, furniture mouldings, built-in furniture, shelving, wall linings, partitions, floor linings, pattern making, toys, clocks, trophies and many other possibilities. From 2.0mm to 36mm (0.09 in to 1.42 in) thick, MDF provides excellent machining, cutting, colour and reception to finish and is an excellent substrate for natural wood veneer, vinyls, printed papers, foils and melamine papers. Superior results every time. Our onsite MFB plant is able to take the raw board and laminate it before shipping direct to you.

### Environmental Options - Low formaldehyde emission, and FSC® wood source

Our standard density MDF products are also available with low formaldehyde emissions, to meet the Japanese JIS A 5905 F★★★★ (F Three Star) and F★★★★ (F Four Star) standard. We can provide products which meet EPA TSCA Title IV and Phase 2 CARB emission standards. Other emission levels can be obtained to meet a range of formaldehyde emission requirements. All of our MDF products are available up to 100% FSC® certified wood source. This means that you are assured that the wood chips are sourced from sustainably managed forests.

# MDF Aim Properties when tested to JIS A 5905

# MDF

For further specifications  
and production information  
please visit

[www.daiken-nz.com](http://www.daiken-nz.com)

PROPERTY	METRIC	2.5-6mm	7.0-9.0mm	15.00mm	25.00mm
Density	kg/m <sup>3</sup>	790	750	730	730
Weight	Kg/m <sup>2</sup>	3.7	6.8	11.0	18.3
Panels	Per Pack	various	94	56	34
Internal Bond	MPa	1.2	0.9	0.9	0.8
Moisture Content	%	7.0	7.0	7.0	7.0
Thickness Swell	%	30	20	9	7
MOE	MPa	3700	3600	3500	3500
MOR	MPa	30	30	30	30

PROPERTY	IMPERIAL	0.098 - 0.236"	0.276-0.354"	0.591"	0.984"
Density	lb/ft <sup>3</sup>	49	47	46	46
Weight	lb/ft <sup>2</sup>	0.7	1.4	2.2	3.7
Panels	Per Pack	various	94	56	34
Internal Bond	lb/in <sup>2</sup>	175	131	131	116
Moisture Content	%	7.0	7.0	7.0	7.0
Thickness Swell	%	30	20	9	7
MOE	lb/in <sup>2</sup>	536500	522000	507500	507500
MOR	lb/in <sup>2</sup>	4350	4350	4350	4350

GENERAL TOLERANCES	
Length/Width	+/- 2 mm    (+/- 0.079 in)
Thickness Tolerance	+/- 0.15 mm    (0.006 in)
Straightness	1.125 mm/m    (0.015 in/ft)
Squareness	<1.5 mm/m    (<0.018 in/ft)
Sanding grit	180

**NOTE:** These values represent typical values and are guidelines only. Please note that Daiken Southland Limited reserve the right to change product specifications without notice. For the most recent specifications, please visit our website: [www.daiken-nz.com](http://www.daiken-nz.com)

All Daiken Southland Limited production meets ISO9001 international standard, and the Daiken Southland Limited environment is managed according to ISO14001 international environmental management systems standard. This embodies our commitment to pursuing a path of continual improvement in environmental management.

## Daiken Southland Limited

PO Box 189  
Gore, New Zealand

Phone: +64-3-209-3100  
Facsimile: +64-3-209-3721

