



# 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 Patinna Medium Density Fibreboard (MDF). 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, we also offer products which meet LEED criteria. Created by a highly sophisticated, technologically efficient MDF manufacturing process, Patinna MDF can be delivered to you worldwide through either of our two sales offices. We invite you to work with Patinna. Cut it, shape it, 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 Patinna**

The nucleus of our MDF range, Patinna 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 2.3mm to 30mm (0.09 in to 1.18 in) thick, Patinna 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.

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

Our standard density Patinna products are also available with low formaldehyde emissions, to meet the Japanese JIS A 5905 2003 F★★★ (F Three Star) and F★★★★ (F Four Star) standard. We can provide products with no added formaldehyde, and products which meet both Phase 1 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.



# Patinna Aim Properties when tested to JIS A 5905 - 2003

PROPERTY	METRIC	2.5 - 7mm	9.00mm	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	1.4	0.9	0.9	0.8
Moisture Content	%	7.0	7.0	7.0	7.0
Thickness Swell	%	30	15	9	6
MOE	MPa	3700	3600	3500	3500
MOR	MPa	45	40	45	45
Formaldehyde	mg/L	1.5	1.5	1.5	1.5

PROPERTY	IMPERIAL	0.098 - 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>	203	131	131	116
Moisture Content	%	7.0	7.0	7.0	7.0
Thickness Swell	%	30	15	9	6
MOE	lb/in <sup>2</sup>	536500	522000	507500	507500
MOR	lb/in <sup>2</sup>	6525	5800	6525	6525

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

For further Patinna specifications and production information please visit

[www.patinna.com](http://www.patinna.com)



NOTE: These values represent typical values and are guidelines only. Please note that Dongwha Patinna NZ Limited reserve the right to change product specifications without notice. For the most recent specifications please visit our website: [www.patinna.com](http://www.patinna.com).

All Patinna production meets ISO9001 international standard, and the Patinna 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.

Patinna® and its logo are registered trademarks of Dongwha Patinna NZ Limited. "The Master Ingredient™" is a trademark of Dongwha Patinna NZ Limited.

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