



**PATINNA**

crossbands  
for doors



60 or 90  
min fire rated  
component

**Patinna - Crossbands for Doors**

Patinna-Crossbands for Doors are designed with the uniformity and durability ideal to withstand laminating process and enhance the lasting quality of your end use. The smoothness and light colour allows huge scope for face veneer finishes and enhances the visual appearance of exposed edge doors. When overlaid on a mineral core both our 1.8mm (0.072) and 2.3mm (0.092in) high density panel have 90-minute certification as a Fire Rated component with Underwriters Laboratories Inc® and Warnock-Hersey (Intertek/ETL Semko). On request we can provide 1.6mm (0.063 in) crossband with 60-minute fire rating on any certified core. As with all our products,

We use renewable pine plantation forests from Southland, New Zealand to ensure Patinna Medium Density Fibreboard (MDF) encompasses quality and sustainability. We are committed to ensuring the properties of our panel meet stringent environmental and utility guidelines. By using Patinna, you also support sustainable management of the world's resources. Available on request as FSC certified, we also offer products which meet LEED criteria.

Talk to our Sales Agents at either of our two sales offices about LEED credits, CARB requirements and FSC products.

Patinna-Crossbands for Doors is also available in 100% FSC wood source.

**Environmental alternatives**

Ask your sales agent about crossbands produced by using NAF resin, with no added formaldehyde. Where emissions are critical Dongwha Patinna have several options for your environmentally friendly project, including those that meet Phase 1 and Phase 2 CARB emission standards.

**LEED Credits**

LEED Credits are supported for our crossband products under Indoor Environmental Quality (Section 4.4). For a further LEED Credit opportunity, request 100% FSC certified

wood (Materials and Resources Section 7.0).

Fire Rating (maximum in minutes)					
	Underwriters Ltd		ITS (Warnock-Hersey)		
	GP Core	Algoma & Marshfield Core	GP Core	Algoma & Marshfield Core	
1.6mm	HPL	60	90	60*	60*
	Veneer	60	90	60*	60*
1.8mm	HPL	90	90	60	60
	Veneer	90	90	90	90
2.3mm	HPL	90	90	60*	90*
	Veneer	90	90	90*	90*

All ratings Phenolic or Urea resin except \*. \* Urea resin only

PROPERTY	METRIC	UF Resin		Phenolic Resin	
		1.6mm	2.3mm	1.6mm	2.3mm
Density	kg/m <sup>3</sup>	900	940	900	940
Weight	Kg/m <sup>2</sup>	1.4	2.2	1.4	2.2
Panels	Per Pack	380	265	380	265
Internal Bond	MPa	1.7	2.0	1.7	2.0
Moisture Content	%	7.0	7.0	7.0	6.5
Thickness Swell	%	30	30	30	28
MOE	MPa	5000	5000	4600	4600
MOR	MPa	45	55	45	65
Formaldehyde	mg/L	1.5	1.5	na	na

PROPERTY	IMPERIAL	0.063"	0.091"	0.063"	0.091"
Density	lb/ft <sup>3</sup>	56	59	56	59
Weight	lb/ft <sup>2</sup>	0.3	0.4	0.3	0.4
Panels	Per Pack	380	265	380	265
Internal Bond	lb/in <sup>2</sup>	247	290	247	290
Moisture Content	%	7.0	7.0	7.0	6.5
Thickness Swell	%	30	30	30	28
MOE	lb/in <sup>2</sup>	725000	725000	667000	667000
MOR	lb/in <sup>2</sup>	6525	7975	6525	9425

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.

### New Zealand Sales Office

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