



If it's Not Customwood, It's just MDF

Introducing our new range of
superior MDF products



Innovative Technology

www.customwood.co.nz

DAIKEN



SuperFinish

MR/SE0

Customwood®

If it's Not Customwood, It's just MDF

Featuring...

- Minimal Formaldehyde Emission (SE0)
- Supreme Surface Finish
- Excellent Machinability

Sustainability



Concern about the destruction of the world's indigenous forests inspired the establishment in 1976 of the medium density fibreboard (MDF) plant now owned and operated by Daiken New Zealand.

Today the plant's impressive environmental credentials continue to reflect our focus on sustainable, environmentally sound process.





Our new 'eco friendly' range of superior MDF products

Building on our reputation as New Zealand's most innovative manufacturer of MDF, we now offer our latest product – **Customwood SuperFinish**.

Representing a major step forward in high-end MDF production, **Customwood SuperFinish** is designed for discerning customers providing not only super high-gloss and blemish-free paint finishes on all edges/surfaces, but also healthier environmental conditions with its minimal levels of formaldehyde emissions.

Also available



If it's Not Customwood®, it's just MDF

Offering the same standard of manufacture, our new **Customwood SuperEco** has been designed to give maximum machinability for those that do not require the finish quality of SuperFinish.

Customwood SuperEco offers:

- Excellent mechanical properties, including moisture resistance (in line with Standard AS NZS1859.2:2004)
- Balanced density profile and very good machinability
- Low levels of formaldehyde emission (E0)



Quality ISO 9001



Environment ISO 14001



The mark of responsible forestry

Formaldehyde Emissions	Super E0 (Less than 0.3mg/litre) Comparable to Japanese Industrial Standard F4Star, and USA California regulations for ultralow emission panels			E0 (Less than 0.5mg/litre) AS/NZ Standard			
Mechanical Properties	Excellent, very strong panel compliant to AS/NZ Standard for general purpose MR MDF			Excellent, very strong panel compliant to AS/NZ Standard for general purpose MR MDF			
Face Density	Excellent			Very Good			
Core Density & Machinability	Excellent			Very Good			
Surface Finish	Excellent			Very Good			
Fit-for-purpose	General non-load bearing applications in dry or humid interior conditions. Excellent machinability and strength. Superior paint finish on faces and edges.			General non-load bearing applications in dry or humid interior conditions. Excellent machinability and strength.			
Thickness (mm)	12	18	25	9	16	18	30
Sheet Size (mm)	2440x1220	2440x1220 3660x1220	2440x1220	2440x1220	2440x1220	2440x1220	2440x1220
Density (kg/m ³)	675-750		650-750	675-750			560-650
Weight per Area (kg/m ²)	8.1-9.0	12.2-13.5	16.3-18.8	6.1-6.8	10.8-12.0	12.2-13.5	16.8-19.5
Internal Bond (MPa)	Customwood Typical	1.40	1.30	1.20	1.40	1.20	1.20
	AS/NZS 1859.2:2004 minimum	0.60	0.50	0.45	0.60	0.50	0.45
MOR (MPa)	Customwood Typical	35	38	35	35	36	38
	AS/NZS 1859.2:2004 minimum	28	26	23	28	26	23
Thickness Swell 24hrs (%)	Customwood Typical	8.0	4.0	3.8	10.0	5.0	4.5
	AS/NZS 1859.2:2004 minimum	12.0	9.0	9.0	12.0	9.0	9.0
MOE (MPa)	Customwood Typical	3000	3100	3000	3000	2900	3100
	AS/NZS 1859.2:2004 minimum	2400	2000	1800	2400	2000	2000
WET MOR (MPa)	Customwood Typical	7	6	5	7	6	6
	AS/NZS 1859.2:2004 minimum	6	5	4	6	5	5
Thickness Tolerance (mm)	Customwood Typical	± 0.15			± 0.15		
	AS/NZS 1859.2:2004 minimum	± 0.2			± 0.2		
Length & Width Tolerance (mm)	Customwood Typical	± 2.0			± 2.0		
	AS/NZS 1859.2:2004 minimum	± 5.0			± 5.0		
Diagonal Difference Tolerance (mm)	Customwood Typical	± 3.0			± 3.0		
	AS/NZS 1859.2:2004 minimum	NA			NA		
Moisture Content Range	5-10% od			5-10% od			

• We guarantee that Customwood will meet the minimum specifications on the properties described above according to AS/NZS 1859.2:2004

• Note on dimensional stability: MDF is made of wood and moisture is always present in wood. Furthermore, moisture will enter or leave wood products depending on environmental conditions like air temperature and relative humidity. As moisture enters or leaves, wood products properties and dimensions will change. Appropriate design and storage measures have to be taken to minimize MDF exposure to ambient changes and subsequent changes in dimensions and properties. In general, the impact of moisture changes in panel properties is minimal if the air relative humidity is maintained between 50 and 80%. In general, panels will expand (up to 3 mm/m) if exposed to ambient air with more than 65%RH and will shrink (up to 3 mm/m) if exposed to ambient air with less than 65% RH.

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