

Manufacturing excellence



ProPanel

E0

Customwood® ProPanel is a general purpose, multi-application panel.



- **Versatile, multi-purpose MDF**
- **Ideal for joiners, builders and renovators**
- **Low formaldehyde E0 emission rating**

Manufactured for strength, machinability and durability, **Customwood® ProPanel** is typically used for a range of joinery applications, including:

- Interior furniture
- Kitchen cabinets
- Speaker boxes
- Walls and ceilings
- Flooring substrates
- Stairs
- Game pieces.

With its low emission rating, **Customwood® ProPanel** makes an excellent choice for use in any location and for many purposes, including residential houses, offices, schools, hospitals and government buildings.


Customwood®

 **Customwood**® also available...

ThinPanel

E0

SuperEco

MR/E0

UltraLight

E0

SuperFinish

MR/SE0

This product information is only applicable to the New Zealand market, other countries please contact us for further information.

DAIKEN
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Customwood®

Standard specifications

ProPanel
E0

Applicable to New Zealand market	ThinPanel (EO)				ProPanel (EO)										LightPanel (EO)		SuperEco (MR/EO)		SuperFinish (MR/SEO)						
Formaldehyde Emissions					EO (≤ 0.5mg/litre) AS/NZ Standard test 4266.16												EO (≤ 0.5mg/litre) AS/NZ Standard test 4266.16		SEO (< 0.3mg/litre) Comparable to JIS F★★★★ and USA California regulations for ultralow emission panels.						
Mechanical Properties	Good, compliant to AS/NZS Standard for STD general purpose MDF																			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	Good																			Very good		Excellent			
Core Density and Machinability	Good																			Very good		Excellent			
Surface Finish	Good																			Very good		Excellent			
Fit-for-purpose	General non-load applications in dry interior conditions																			General non-load applications in dry or humid interior conditions. Excellent machinability and strength.		General non-load applications in dry or humid interior conditions. Excellent machinability and strength. Superior paint finish on faces and edges.			
Thickness (mm)	3	4	4.75	6	9	12	15	16	18	25	30	16	18	16	18	12	18	25							
Sheet Size (mm)	Please see size sheets																								
Density (kg/m³)	735-850				650-750								550-650		675-750			650-730							
Weight Per Area* (kg/m²)	2.3	3.2	3.7	4.8	6.5	8.6	10.7	11.4	12.2	16.5	18	9.6	10.8	11.6	13.1	8.8	13.1	17.5							
Internal Bond* (MPa)	1.4				0.9						0.8	0.65	0.8		1.20		1.40	1.30	1.20						
MOR* (MPa)	36	40			32	35	33	35		29	25		35	38	35	38	30								
Thickness Swell 24 Hours* (%)	26	24		18	13	10	8		6.5	5	4.5	9	8	6	5.5	8	5	4.5							
MOE* (MPa)	3500			3300	2600	3000	2800			2500	2400		3000			3100	2400								
Wet MOR* (MPa)	NA																			6		7	8	5	
Thickness Tolerance* (mm)																				±0.15					
Length and Width Tolerance* (mm)																				±2.0					
Diagonals Difference Tolerance** (mm)																				±3.0					
Bow Measurement Tolerance** (mm/m)	N/A																			3.0		3.0		N/A	3.0
Moisture Content Range**	5-13%																								
Bracing Ratings	P21 testing report by BRANZ is available. Please contact Daiken Customer Service for details and a copy of the report.																								
Fire Classification NZBC C/VM2	Fire Test Report by BRANZ is available. Please contact Daiken Customer Service for details and a copy of the report.																								

* Typical value of Customwood® measured at DNZ testing facilities. Daiken New Zealand guarantee that Customwood® should meet the minimum specifications on the properties described by AS/NZ 1859.2:2017

** Customwood® specification

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 product properties and dimensions will change. Appropriate design and storage measures have to be taken to minimise 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 3mm/m) if exposed to ambient air with more than 65%RH and will shrink (up to 3mm/m) if exposed to ambient air with less than 65% RH.



Furniture, Fittings and Flooring Licence No. 3210068



The mark of responsible forestry



Quality ISO 9001



Environment ISO 14001



Health & Safety ISO 45001

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