

Manufacturing excellence




**20-50%
lighter than
standard
MDF**

UltraLight

E0

Customwood® UltraLight comprises a range of multi-purpose panels that weigh between 20-50% less than standard MDF. They offer a high degree of versatility across the range and significant weight savings, while maintaining a low formaldehyde E0 emission rating.



With its lighter weight and unique properties, **Customwood® UltraLight** is typically used for a range of joinery and building applications, including:

- Interior furniture
- Pin-boards/Noticeboards
- Office/desk partitions
- Laminated benchtop substrate
- Internal door core.

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

Product	DNZ No.	Thickness (mm)	Length (m)	Width (m)	Sheets per Pack	m ³ per Pack	Average Density* (kg/m ³)	Weight (kg)**	
								per sheet	per Pack incl package
Ultra Light E0	2368593	9	2.44	1.83	76	3.054	350	14.1	1,221.0
	2368615	18	3.66	1.27	42	3.514	520	43.5	2,002.0
	2368621	28.5	2.44	1.22	30	2.545	350	29.7	1,002.0
	236822	30	2.44	1.22	30	2.679	400	35.7	1,205.0
	236823	30	3.66	1.27	20	2.789	515	71.8	1,561.0

 **Customwood®** also available...

ThinPanel

E0

SuperEco

MR/E0

SuperFinish

MR/SE0

ProPanel

E0

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DAIKEN
NEW ZEALAND LIMITED

	UltraLight 350		UltraLight 400		UltraLight 520	
Approximate Density (kg/m ³)	350		400		520	
Stock Thicknesses (mm)	9	28.5	30	18	30	
Length of Sheet (mm)	2440	2440	2440	3660	3660	
Width of Sheet (mm)	1830	1220	1220	1270	1270	
Sheet Weight (kg)	14.1	29.7	35.7	43.5	71.8	
Specific Weight (kg/m ²)	3.2	10	12	9.4	13.5	
Internal Bond (N/mm ²)	≥0.1	≥0.1	≥0.15	≥0.5	≥0.2	
Bending Strength MOR (N/mm ²)	≥2	≥2	≥8	≥15	≥10	
Thickness Tolerance (±mm)	±0.5	±0.3	±0.3	±0.2	±0.3	
Width & Length Tolerance (±mm)	±2.0	±2.0	±2.0	±2.0	±2.0	
Diagonal Difference (±mm)	3.0	3.0	3.0	3.0	3.0	

Formaldehyde Emissions – E0(≤ 0.5mg/litre) AS/NZ Standard test 4266.16

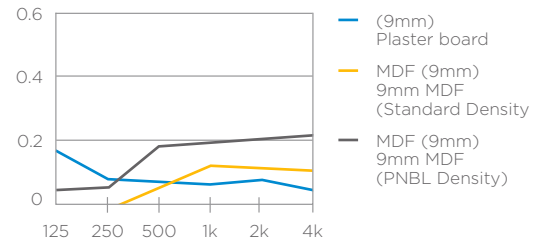
Additional panel sizes (2440/3660 in length, 1220-1830 in width) may be available in certain thicknesses (9-30mm) and densities (350-520 kg/m³) given appropriate demand, and/or on a 'made-to-order' basis. Call us today to discuss your product requirements.

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.

Sound Absorbency

Samples	125	250	500	1k	2k	4k	N.R.C	Tested measure
(9mm) Plaster Board	0.19	0.09	0.08	0.07	0.08	0.05	0.08	
MDF (9mm) 9mm MDF (Standard Density)	-0.04	-0.02	0.05	0.13	0.13	0.11	0.07	Daiken Reverberation Chamber
MDF (9mm) 9mm MDF (PNBL Density)	0.03	0.06	0.37	0.39	0.41	0.43	0.31	Daiken Reverberation Chamber
(9mm) 9mm Cleartone	-0.01	0.06	0.45	0.45	0.42	0.41	0.35	Daiken Reverberation Chamber
	0.38	0.20	0.43	0.53	0.53	0.54	0.42	Industrial Tech Centre

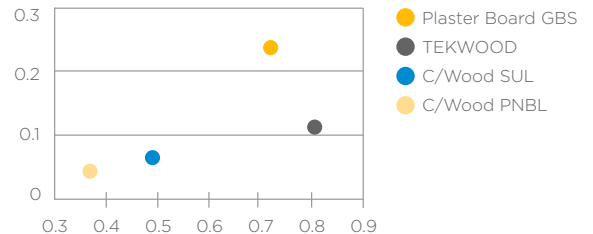
Hz 1/1 Octave band Frequency (Hz)



These are initial test results and are for indicative purposes only, not as a specification.

Thermal Conductivity

	Thickness	Density	Thermal Conductivity
Plaster Board GBS	9.5	0.72	0.221+
TEKWOOD	9.0	0.79	0.109
C/Wood SUL	9.0	0.50	0.076
C/Wood PNBL	9.0	0.38	0.061



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