

Manufacturing excellence



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

UltraLight

CARB P2

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 CARB P2 and EPA TSCA TITLE VI Compliance.



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.

For details on panel sizes, thicknesses and weight, please see reverse.


Customwood®

DAIKEN

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Customwood®

Standard specifications

UltraLight

CARB P2

	UltraLight (UL-520)		Super UltraLight (SUL-450)		Featherlight (SUL-400)		Pinnable (SUL-350)	
Glue Type	UF							
Thicknesses Range (in)	3/8 to 1/2	5/8 to 15/32	3/8 to 1/2	5/8 to 15/32	3/8 to 1/2	5/8 to 15/32	3/8 to 1/2	5/8 to 15/32
Thickness Tolerance (in)	0.008 ≤ 11/16 0.010 > 11/16		+/- 0.0118		+/- 0.0118		+/- 0.0197	
Width Tolerance (in)	+/- 0.079		+/- 0.118		+/- 0.118		+/- 0.118	
Length Tolerance (in)	+/- 0.079		+/- 0.118		+/- 0.118		+/- 0.118	
Diagonal Difference (in)	≤ 0.118		≤ 0.118		≤ 0.118		≤ 0.118	
Typical Density (lb/ft³)	32.4		28.1		25.0		21.9	
Density Tolerance (lb/ft³)	+/- 3.13		+/- 3.13		+/- 3.13		+/- 3.13	
Moisture Content Range (%)	7.5 +/- 2		7.5 +/- 2		7.5 +/- 2		7.5 +/- 2	
MOR Typical (psi)	3,480	3,480	2,175	2,175	1,450	1,450	870	870
MOE Typical (psi)	232,000	232,000	203,000	203,000	145,000	145,000	87,000	87,000
Internal Bond (IB) Typical (psi)	87	87	58	43.5	43.5	29	29	14.5
Thickness Welling (68°F, 24hr) Typical (%)	12	8	15	10	20	12	22	15
Formaldehyde Emission	Carb P2 (ppm)		Maximum 0.11					

***Typical Properties:** Based on averages of normal production, when tested in accordance with AS/NZS 4266. Emissions tested in accordance with ASTM E-1333. Specific design applications, and technical data are available upon request.

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.



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