

## Wall and Ceiling Linings

Customwood® MDF Panels can be used as a wall and ceiling lining with high impact strength capable of accepting load-carrying fittings at all points. When fixing, allow a 3mm gap between adjacent panels to provide space for movement. It is important to condition panels by inserting gluts between individual panels for 48 hours before use (refer Conditioning). Sealing the panels will improve stability by reducing moisture change in them.

### Fixing

Fixing should not be undertaken until the building is closed in and waterproof with the moisture content of timber framing being below 15%.

Panels can be fixed by staple or nail at a minimum of 12mm from the edge of panel. Board surfaces should be primed or clear sealed immediately after fixing to minimise the effects of atmospheric moisture, direct sunlight and to resist marking during construction.

### Joints

Several options are available when finishing joints of Customwood® MDF wall linings:

- Chamfer the edge of the panels and make a feature of the joint.
- Place a timber or MDF moulding over the joint.
- Use a PVC jointing strip.
- Fill the 3mm gap with a flexible sealant.

Wall				
Thickness (mm)	Framing		Sheet Fixing	
	Stud (mm)	Dwang (mm)	Sheet Edges (mm)	Intermediate Supports (mm)
6, 9	400	800	150	200
	450	800		
	600	600		

Ceiling				
Thickness (mm)	Framing		Sheet Fixing	
	Joist (mm)	Dwang (mm)	Sheet Edges (mm)	Intermediate Supports (mm)
6, 9	400	800	150	200
	450	800		
	600	600		
	900	500		
	1200	500		

## Flooring Overlays

Customwood® MDF Panels can be used as an overlay on existing timber floors before covering with carpet or vinyl. All exposed faces and edges should be sealed before use. Conditioning requirements are the same as for wall linings and ceilings. Panels should not be laid over existing flooring with moisture content greater than 15%. Floors must be sound and must be sanded flat to ensure all uneven surfaces are levelled out. Sheets should be set out in a brick bond pattern with a 3mm gap between all panel edges and perimeters. Panels can be fixed by staple or nail and must be spaced at 100mm around all edges and 150mm throughout the centre of the sheets. Adhesive can be used as an extra fixing and should be applied in accordance with the manufacturer's recommendations.

Customwood® MDF should not be used as a flooring overlay on concrete floors.

Flooring Overlays (over timber floors)		
Thickness (mm)	Fixing centres at sheet edges (mm)	Fixing centres at intermediate points (mm)
3, 4, 4.75, 6	100	150



## Multi Laminate

Several sheets of Customwood® MDF Thin Panel can be laminated to build up a curved shape or component. Complex and difficult shapes can be accomplished by laminating thinner panels together to the required shape using woodworking adhesives. Best results for laminating are achieved by sanding the panel surface first with 80-120 grit papers.

Individual sheets can also be bent to form curves for archways, furniture components or single use concrete formwork.



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