



Unique look with a twist

For a unique look that has incredible trafficable free spans, and an inherent flexing ability, choose Versiclad's Multidek Structural Insulated Roof Panels. Typically used for awnings, verandahs and to create a unique look, Multidek's profile makes it ideal to create a statement in both appearance and its structural benefits.

Multidek Features

- Minimum roof pitch only 2°
- Long trafficable unsupported span of up to 9.0m means less unsightly support beams
- Lightweight and easy to install
- Multi trapezoidal profile both sides
- Wiring services run through core ducts
- Fire retardant EPS insulated core dramatically reduces radiant heat transfer, mould, condensation and rain noise
- Ceiling fan mounting plates available
- Solar panel installation engineering
- Panels customised to your exact gutter cutback and lapping specifications

Multidek Specifications

Roof Sizes:	100mm	125mm	140mm
Overall Thickness:	100mm	125mm	125mm
Mean R Value:	2.0	2.7	3.1
Mass kg/m ² :	9.8	10.2	10.6
Min Length:	1200mm		
Max Length:	9000mm		
Trafficable Free Span:	See Span Table on reverse side		
Cover width:	700mm		
Minimum roof pitch:	2°		

Fixing Detail

- Fixed to support member with 14g self-drilling screws at every alternate crest
- Typically 4 screws to each panel, at each support.

Cyclonic Fixing Detail

- Fixed to supporting member with 14g self-drilling screws and cyclone assemblies or washers at every alternate crest
- Typically 4 screws and cyclone assemblies or washers to each panel at each support
- Uplift load capacity of fixing to supporting members shall be based on engineering advice
- Max overhang is 25% of the allowable span.



Notes

1. All windows included in the building shall be rated N1, N2, N3, N4, C1, C2, C3, in accordance with AS 2047
2. All glass included in the building shall be rated, N1, N2, N3, N4, C1, C2, C3, in accordance with AS 1288
3. For buildings in cyclonic wind regions, the building envelope (windows, doors and cladding) shall be capable of resisting impact loading equivalent to a 4kg piece of timber of 100 mm x 50 mm cross-section, projected at 15 m/s at any angle in accordance with Clause 5.3.2, AS/NZS 1170.2:2002.

Span Table

Wind Class in accordance with AS4055 - 2012	Panel Size	Maximum Single Span (mm)		
		Fully Enclosed Room	One Side Open	Two/ Three Sides Open
N1 (W28N)	100mm	6483	6483	6483
	125mm	8386	8054	8528
	140mm	9000	8810	9000
N2 (W33N)	100mm	6483	6483	6483
	125mm	8326	8054	8528
	140mm	9000	8810	9000
N3 (W41N)	100mm	5917	5702	6124
	125mm	7104	6845	7352
	140mm	7771	7488	8043
N4 (W50N)	100mm	5072	4915	5250
	125mm	6088	5900	6303
	140mm	6660	6454	6895
C1 (W41C)	100mm	5917	4991	6124
	125mm	7104	5991	7352
	140mm	7771	6554	8043
C2 (W50C)	100mm	5072	4332	5250
	125mm	6088	5200	6303
	140mm	6660	5689	6895
C3 (W60C)	100mm	4436	3810	4580
	125mm	5536	4574	5498
	140mm	5826	5004	6014

in accordance with: Wind actions: Imposed load on roof: AS/NZS 1170.2:2002 - Clauses 5.3, 5.4 and D4. AS/NZS 1170.1:2002 - Clause 3.5