

## Product Description

MetecnoPanel® is a durable, insulated wall and ceiling panel with a PIR (Polyisocyanurate) fire-retardant core and high performing thermal properties. MetecnoPanel® is FM Approved to FM 4880 & 4881 - No Height Restriction and is recommended where improved fire performance is required for insurance purposes. MetecnoPanel® is available in a variety of panel surface profiles and COLORBOND® colours to create an inspiring interior and exterior finish.

Panel Properties					
Panel Thickness (mm)	50	75	100	150	200
Typical Mass (kg/m <sup>2</sup> ) based on 0.5/0.5mm skins	11.23	12.26	13.28	15.33	18.18
Thermal Performance at 23°C*					
'U' Value (W/m <sup>2</sup> K)	0.41	0.27	0.20	0.14	0.10
'R' Value (m <sup>2</sup> K/W)	2.46	3.68	4.91	7.37	9.83

\* Thermal Performance based on NATA endorsed test report and using ISO 10456, for the calculation of the initial k - values. k = 0.020355 W/mK at 23 degrees.

## Span Table

NON-CYCLONIC REGION A&B (WALL APPLICATIONS ONLY)

PIR Core / 0.6mm Steel Skins.

Maximum uniformly distributed ultimate wind load (kPa) for the given span:

Single Span, wind pressure acting inwards/outwards					
Span (mm)	Panel Thickness (mm)				
	50	75	100	150	200
1500	2.93	4.39	5.86	8.79	11.72
2700	1.63	2.44	3.25	4.88	6.51
3900	1.10	1.65	2.20	3.29	4.39
5100	0.64	0.96	1.28	1.93	2.57
6300	0.37	0.63	0.84	1.26	1.68
7500	-	0.45	0.59	0.89	1.19

Multi-span, wind pressure acting inwards/outwards					
Span (mm)	Panel Thickness (mm)				
	50	75	100	150	200
1500	2.34	3.53	4.69	7.03	9.37
2700	1.30	1.95	2.60	3.91	5.21
3900	0.90	1.35	1.80	2.70	3.61
5100	0.64	0.96	1.28	1.93	2.57
6300	0.42	0.63	0.84	1.26	1.68
7500	0.30	0.45	0.59	0.89	1.19



**Colorbond®**  
Made for Australia

Core	PIR (Fire-retardant Polyisocyanurate)
Width (cover mm)	1100
Thickness (mm)	50, 75, 100, 150, 200
Length	Up to 16m (check for availability)
Exterior Facing Skin	0.5mm, 0.6mm G300 COLORBOND® steel
Interior Facing Skin	0.5mm, 0.6mm G300 COLORBOND® steel
Exterior Facing Colour	Surfmist® and other colours available subject to minimum order quantities
Standard Colours	
Interior Facing Colour	Permagard® White
Finishes	Plain, Finline, Satinline, Ribbed
Acoustic Properties	R <sub>w</sub> 25-27 depending on thickness
Fire Hazard Properties - AS1530.3 indices	
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	1

### AS/ISO 9705 - BCA Group Number (Spec C1.10a)

MetecnoPanel® PIR steel skinned insulated building panels conform to the requirements of the BCA Specification C1.10a as Group 2.

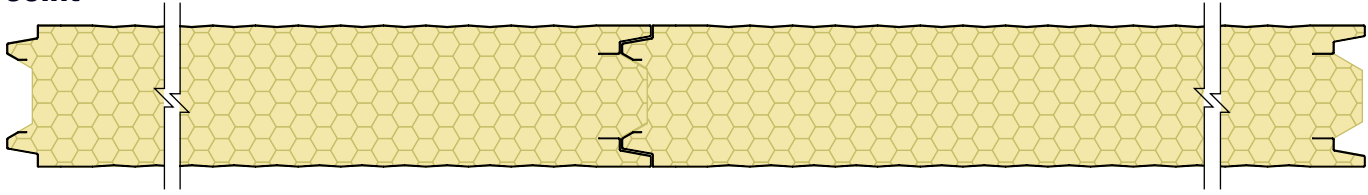
#### Group 2

Panel up to 200mm or less with an aluminium 'wall-wall' and 'wall-ceiling' angles (1.5mm) fixed with aluminium rivets or screws is classified as Group 2. Panel up to 200mm or less with an aluminium 'wall-wall' and 'wall-ceiling' angles (0.5mm) fixed with steel rivets or screws is classified as Group 2.

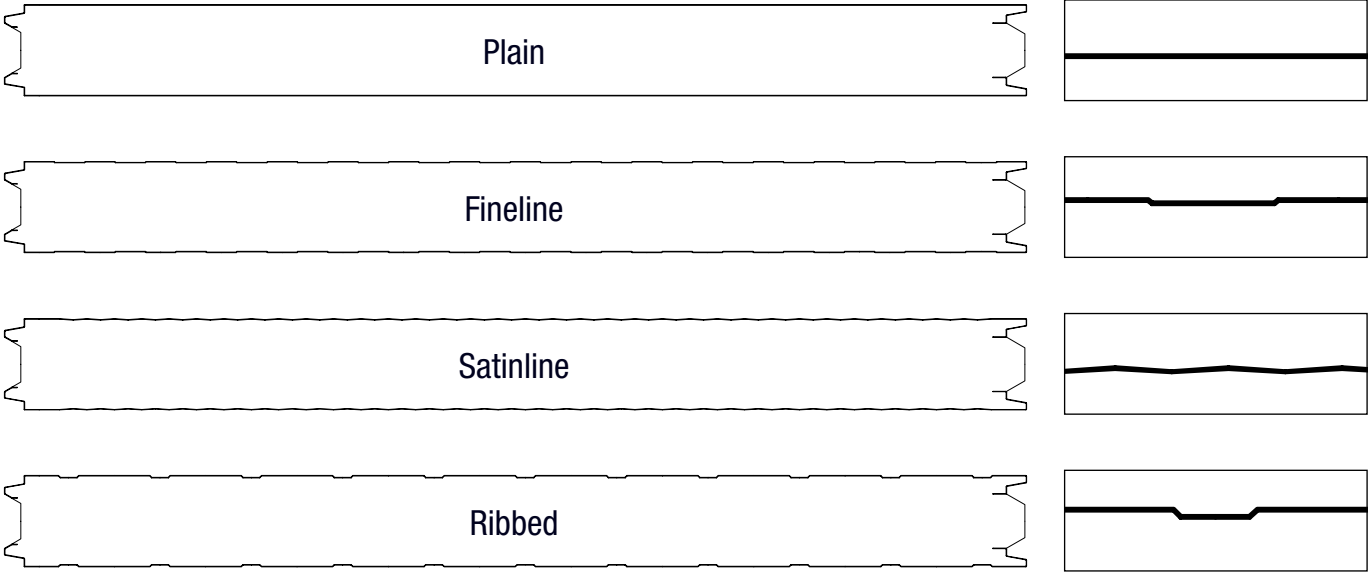
#### NOTES:

- Extended span tables including cyclonic regions C&D are also available. Refer Bondor®.
- Fixing with min. 14g tek screws (x4 off) or mushroom head bolts (x2 off) per fixing point are required.
- Pressures specified are for wind gusts only per AS 1170.
- Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS1170.0 - TABLE C1.

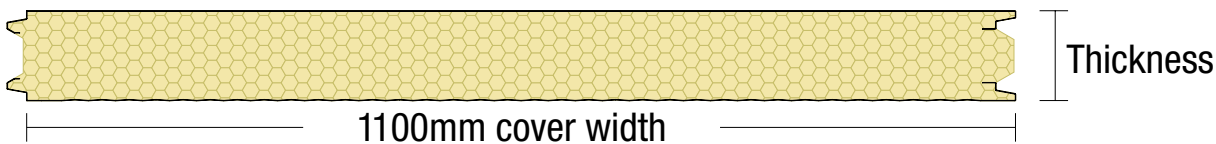
### Joint



### Profiles



### Dimensions



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To connect to your nearest Bondor® branch simply call 1300 300 099 or visit [www.bondor.com.au](http://www.bondor.com.au)