

### Product Description

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

Panel Properties						
Panel Thickness (mm)	50	75	100	125	150	200
Typical Mass (kg/m <sup>2</sup> ) based on 0.6/0.6mm skins	12.0	13.0	14.0	14.7	15.5	17.4
Total R-value (m <sup>2</sup> K/W) @ 6°C	2.9	4.3	5.6	7.0	8.3	11.1
Total R-value (m <sup>2</sup> K/W) @ 15°C	2.7	4.0	5.3	6.6	7.9	10.5
Note: The above Total R-values are for insulation average temperature of 6°C & 15°C. Contact us for other temperatures.						

### 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	125	150	200
1500	2.93	4.39	5.86	7.32	8.79	11.72
2700	1.63	2.44	3.25	4.07	4.88	6.51
3900	1.10	1.65	2.20	2.74	3.29	4.39
5100	0.64	0.96	1.28	1.60	1.93	2.57
6300	0.42	0.63	0.84	1.05	1.26	1.68
7500	0.30	0.45	0.59	0.74	0.89	1.19

Multi Span - wind pressure acting inwards/outwards						
Span (mm)	Panel Thickness (mm)					
	50	75	100	125	150	200
1500	2.34	3.52	4.69	5.86	7.03	9.37
2700	1.30	1.95	2.60	3.25	3.91	5.21
3900	0.90	1.35	1.80	2.25	2.70	3.61
5100	0.64	0.96	1.28	1.60	1.93	2.57
6300	0.42	0.63	0.84	1.05	1.26	1.68
7500	0.30	0.45	0.59	0.74	0.89	1.19



Core	PIR (Fire-retardant Polyisocyanurate)
Width (cover mm)	1100
Thickness (mm)	50, 75, 100, 125, 150, 200
Length	Up to 16m (check for availability)
External Material	BlueScope <sup>®</sup> Steel 0.5mm, 0.6mm G300
External Finishes	Plain, Finline, Satinline, Ribbed
Exterior Colour Options	Surfmist <sup>®</sup> . Other colours available subject to minimum order quantities.
Internal Material	BlueScope <sup>®</sup> Steel 0.5mm, 0.6mm G300
Internal Finishes	Plain, Finline, Satinline, Ribbed
Interior Colour Options	Permagard <sup>®</sup> White
Paint System	AS/NZS 2728 & AS 1397
Accreditations	Codemark Certificate Number CM20226
Acoustic Properties	Rw 25 - 27 depending on thickness
Material Group Numbers	C1.10 Group 2
Bushfire Attack Level	BAL-40
FM Approval	4880, 4881
Environmental	Zero Ozone Depleting Potential (ODP)
Fire hazard properties	AS/NZS 1530.3
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	1

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

MetecnoPanel<sup>®</sup> PIR steel skinned insulated building panels conform to the requirements of the BCA Specification C1.10 Group 2.

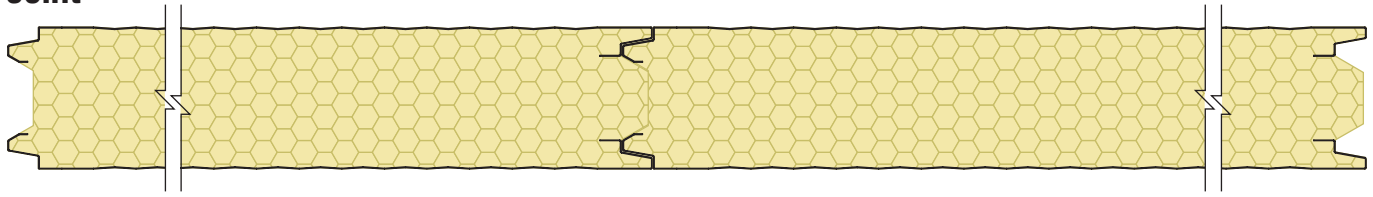
Group 2

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

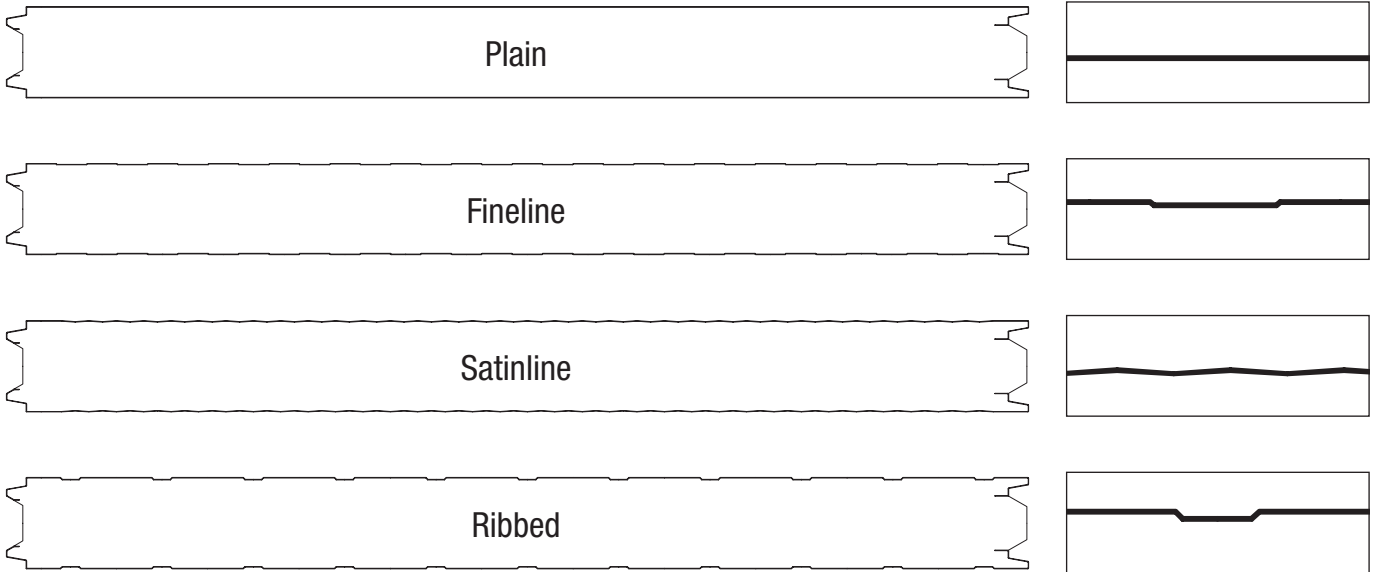
NOTES:

- Extended span tables including cyclonic regions C&D are also available. Refer Bondor<sup>®</sup>.
- 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/NZS 1170.2.
- Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS/NZS 1170.0 - TABLE C1. Bondor<sup>®</sup> tests comply with details outlined in AS 4040.0, AS 4040.1, AS 4040.2, AS 4040.3, AS 1562.1 and AS/NZS 1170.1.

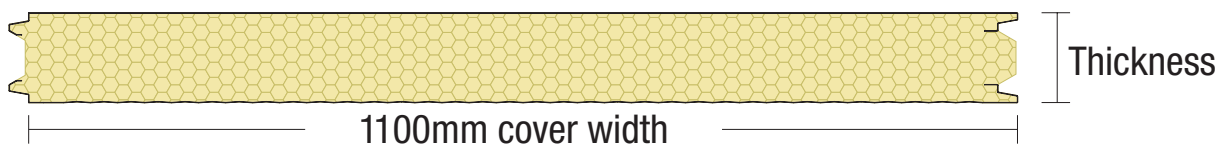
### Joint



### Profiles



### Dimensions



### Bondor<sup>®</sup> National Network

**BRISBANE / EXPORT**  
103 Ingram Road  
Acacia Ridge QLD 4110  
T: 07 3323 8500  
F: 07 3323 8501

**PERTH**  
17 Gauge Circuit  
Canning Vale WA 6155  
T: 08 9256 0600  
F: 08 9256 0620

**MELBOURNE**  
329A St Albans Road  
Sunshine VIC 3020  
T: 03 8326 8000  
F: 03 8326 8099

**ADELAIDE**  
70 – 72 Rundle Road  
Salisbury South SA 5106  
T: 08 8282 5000  
F: 08 8282 5099

**SYDNEY**  
49 – 53 Newton Road  
Wetherill Park NSW 2164  
T: 02 9609 0888  
F: 02 9729 1114

**LAUNCESTON**  
7 Connector Park Drive  
Kings Meadows TAS 7249  
T: 03 6335 8500  
F: 03 6335 8544

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