

Product Description

Metecnoinspire® is an insulated architectural facade system that offers architects and designers an inspiring palette of colours, attractive surface profiles and excellent thermal properties. Metecnoinspire® also offers an innovative concealed fix system making it an ideal solution for Inspired facade or walling designs.

| Panel Properties | | | |
|--|------|------|------|
| Panel Thickness (mm) | 50 | 80 | 100 |
| Typical Mass (kg/m ²) based on 0.6/0.5mm skins | 13.9 | 15.1 | 16.0 |
| Total R-value (m ² K/W) | 2.7 | 4.3 | 5.3 |

Note: The above Total R-values are for insulation average temperature of 15°C. Contact us for other temperatures.

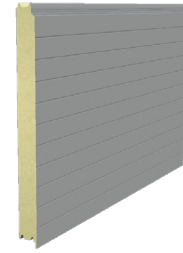
Span Table

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

PIR Core / 0.6mm Hi-tensile External / 0.5mm Internal Steel Skins.
Maximum uniformly distributed ultimate wind load (kPa) for the given span:

| Single Span, wind pressure acting outwards | | | |
|--|----------------------|------|------|
| Span (mm) | Panel Thickness (mm) | | |
| | 50 | 80 | 100 |
| 1500 | 2.93 | 4.69 | 5.87 |
| 2400 | 1.83 | 2.93 | 3.67 |
| 3300 | 1.29 | 2.06 | 2.57 |
| 4200 | 0.80 | 1.27 | 1.59 |
| 5100 | 0.54 | 0.86 | 1.08 |
| 6000 | 0.39 | 0.62 | 0.78 |

| Multi-span, wind pressure acting outwards | | | |
|---|----------------------|------|------|
| Span (mm) | Panel Thickness (mm) | | |
| | 50 | 80 | 100 |
| 1500 | 2.35 | 3.75 | 4.69 |
| 2400 | 1.47 | 2.35 | 2.93 |
| 3300 | 1.07 | 1.71 | 2.13 |
| 4200 | 0.84 | 1.34 | 1.68 |
| 5100 | 0.69 | 1.10 | 1.38 |
| 6000 | 0.57 | 0.92 | 1.16 |

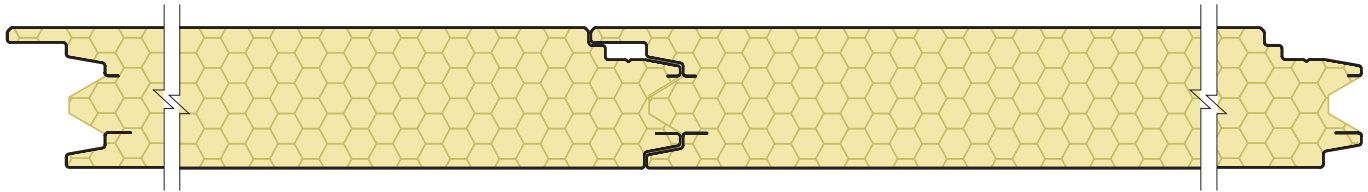


| | |
|-------------------------|---|
| Core | PIR (Fire-retardant Polyisocyanurate) |
| Width (cover mm) | 1100 |
| Thickness (mm) | 50, 80, 100 |
| Length | Up to 16m (check for availability) |
| External Material | BlueScope® Steel 0.5mm, 0.6mm G300 |
| External Finishes | Single V Rib, V Rib, Double V Rib, Micro V Rib, Satinline |
| Exterior Colour Options | Classic Cream™, Surfmist®, Paperbark®, Evening Haze®, Shale Grey™, Dune®, Cove™, Windspray®, Pale Eucalypt®, Gully™, Mangrove®, Wallaby®, Jasper®, Manor Red®, Terrain®, Basalt®, Woodland Grey®, Monument®, Ironstone®, Cottage Green®, Deep Ocean®, Night Sky®, Metallics: Galatic™, Cosmic™, Rhea™, Astro™, Aries™, Celestian™ |
| Internal Material | BlueScope® Steel 0.5mm, 0.6mm G300 |
| Internal Finishes | Plain |
| Interior Colour Options | Permaguard® White |
| Paint System | AS/NZS 2728 & AS 1397 |
| Accreditations | |
| 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 |

NOTES:

1. Pressures specified are for wind gusts only per AS/NZS 1170.2.
2. Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS/NZS 1170.0 - TABLE C1.
3. Fixing with mushroom head bolts (x2 off) minimum per fixing point are required.
4. This span table applies to non-cyclonic regions only. Bondor® 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.
5. Correct at time of publishing. Refer Metecno for updates.
6. Refer to your certifying engineer for panel selection.

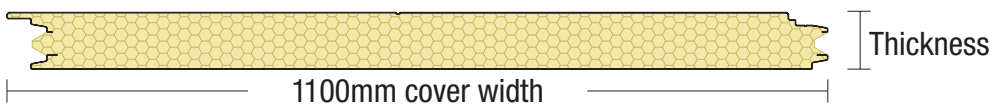
Joint



Profiles



Dimensions



Bondor® National Network

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