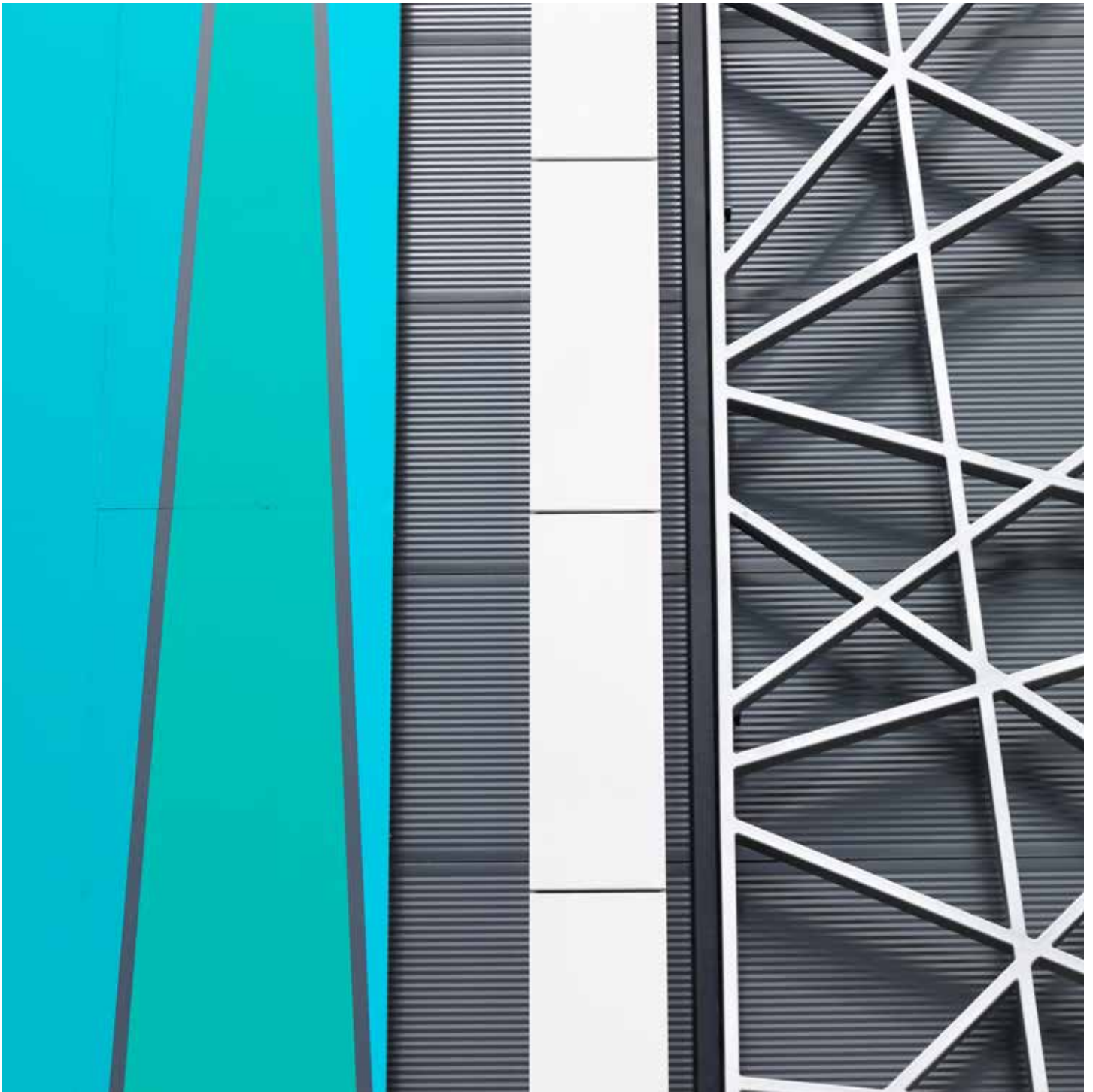


inspirational architectural façades



metecnoinspire®



“Simplicity is the ultimate sophistication.”

Leonardo da Vinci

Why Insulated Panel?

Design Flexibility

Its simplicity allows more time to create.

- Simplify and streamline the design process.
- Unleash creative expression with a wide range of colours and profiles.
 - Horizontal or Vertical panel configurations.
- A superb flush finish with concealed fixings.

Thermal Performance

Solid insulated core with impressive thermal credentials.

- High thermal performance.
- BCA Part J compliant.
- Lowers building running costs.
 - Reduces air leakage.

Build Speed

A single product that simplifies construction.

- Shorten construction times.
- Reduce labour periods on site.
- Simplify transport and site logistics.
 - Easier to project manage.

Why Bondor® products?

We won't leave you stranded.



Bondor® and the Metecno Group has a global presence in insulated systems with over 65 years of Australian construction experience.



Local technical, construction & installation capacity in each state ensures product and installation consistency.



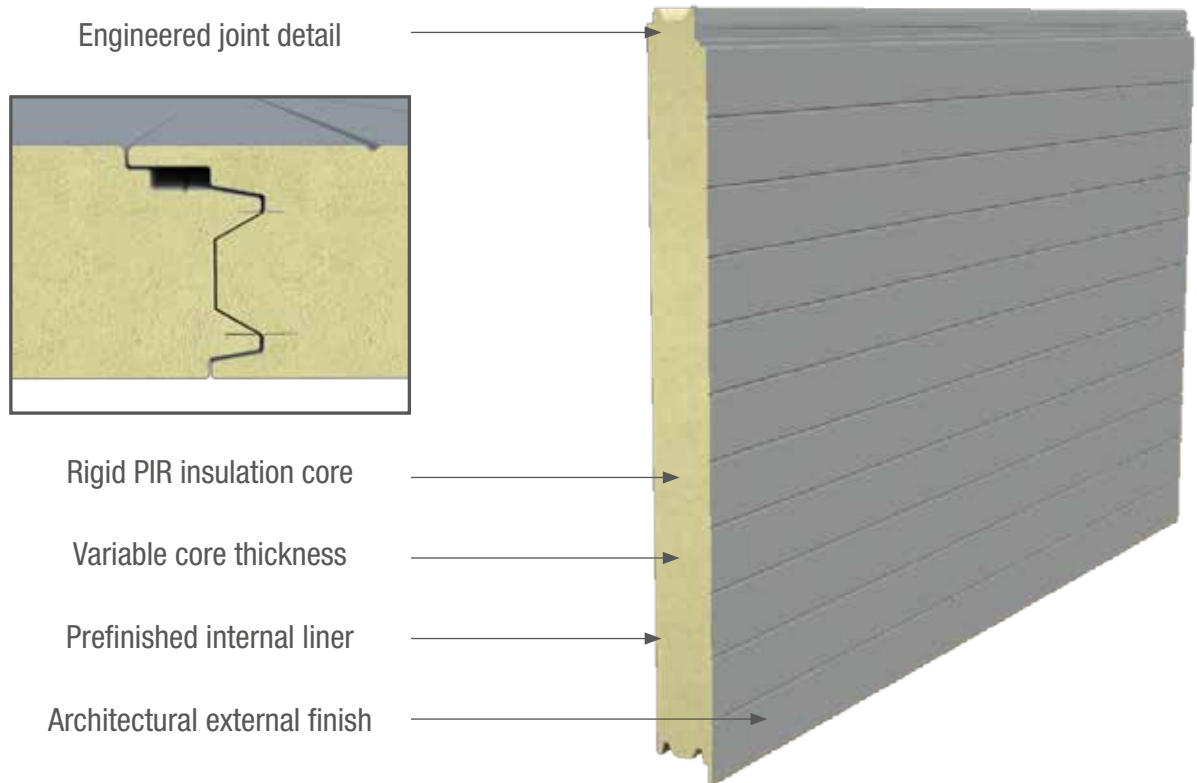
MetecnoInspire® was designed in Australia for Australian conditions using BlueScope Steel. This means you are never left wondering about the validity or origin of your warranty.



Why MetecnoInspire®?

MetecnoInspire® is an insulated architectural façade system offering architects and designers an inspiring palette of colours, attractive surface profiles and excellent thermal properties.

Able to provide expressive modern design and functional construction techniques, MetecnoInspire® is an ideal solution for inspired façade or walling designs.



Innovative concealed fix system

MetecnoInspire's fixing system conceals fasteners from sight creating a flush and aesthetically pleasing finish for use in a variety of applications including external facades, external or internal walling and partition walls.





Simplified Construction.

Deliver the perfect finish



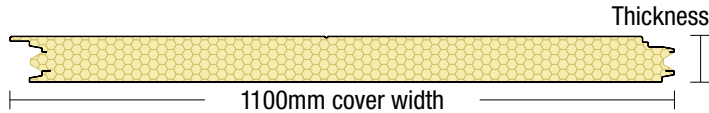
The latest installation techniques for faster build times and safer sites.



Product Information.

MetecnoInspire® having rigid foam PIR (Polyisocyanurate) core between two skins of COLORBOND® steel, forms an exceptionally strong and durable, fire-retardant panel. The panel has a zigzag shaped interlocking panel-to-panel joint, concealing two screws with a centre distance of 30mm fixed at each support.

Panel Dimensions



Properties

Panel Thickness (mm)	50	80	100
Typical Mass (kg/m ²) based on 0.6/0.6mm skins	13.91	15.14	15.96
Thermal Performance at 6°C			
'U' Value (W/m ² K)	0.40	0.25	0.20
'R' Value (m ² K/W)	2.46	3.93	4.91

* Thermal performance based on NATA endorsed test report and using ISO 10456 for the calculation of the initial k - values.

Span Table

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

PIR Core / 0.6mm 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	2.70	3.80	4.30
2400	1.70	2.30	2.60
3300	1.00	1.70	1.90
4200	-	1.00	1.30
5100	-	-	0.80
6000	-	-	-
6900	-	-	-

Multi-span, wind pressure acting outwards

Span (mm)	Panel Thickness (mm)		
	50	80	100
1500	2.50	3.30	4.40
2400	1.60	2.00	2.70
3300	1.10	1.50	2.00
4200	0.70	1.20	1.60
5100	-	0.80	1.10
6000	-	-	0.80
6900	-	-	-

NOTES:

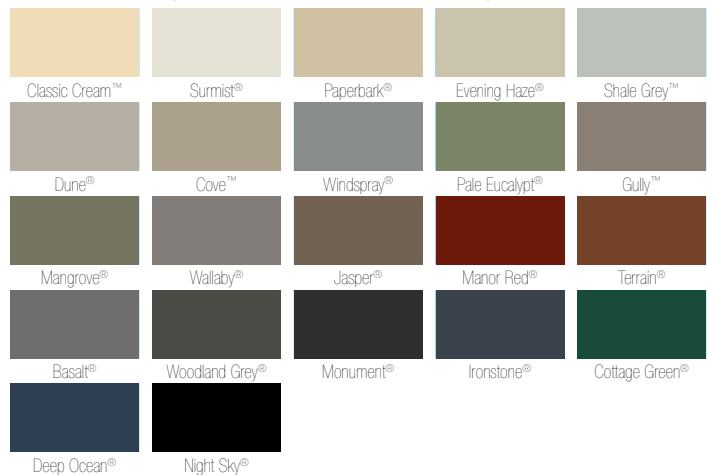
1. Pressures specified are for wind gusts only per AS 1170.
2. Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS1170.0 - TABLE C1.
3. Fixing with mushroom head bolts (x2 off) minimum per fixing point are required.
4. This span table applies to non-cyclonic regions only.
5. Correct at time of publishing. Refer Metecno for updates.
6. Refer to your certifying engineer for panel selection.
7. Refer to www.bondor.com.au or your local Bondor® branch and representatives.

Overview

Core	PIR (Fire-retardant Polyisocyanurate)
Width (cover mm)	1100
Thickness (mm)	50, 80, 100
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	Classic Cream™, Surmist®, 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™
Finishes	Single V Rib, V Rib, Double V Rib, Micro V Rib, Satinline
Fire Hazard Properties - AS1530.3 indices	
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	1

Standard Colours

In Australia's harsh conditions, selecting lighter colours optimises thermal performance and minimises expansion and contraction issues. Before selecting dark colours for external applications, please let us discuss your performance/colour selections to achieve the best result. The colours shown in this leaflet have been reproduced to represent actual product colours as accurately as possible. However, given printing limitations, we recommend checking your chosen colour against an actual sample before placing orders.



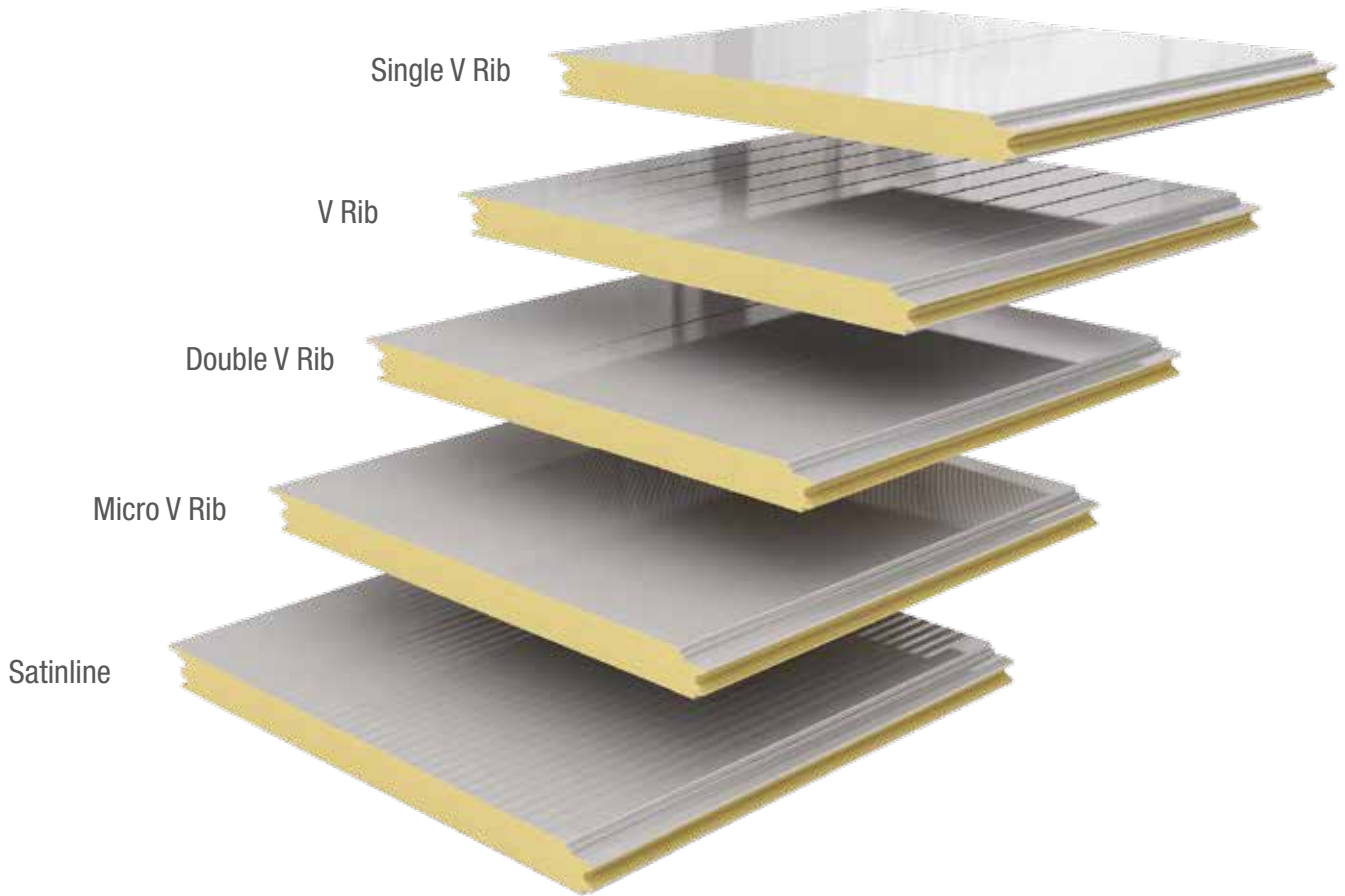
Metallics





Inspired by Choice.

A single panel product available with several different faces.





Leaders in Thermal & Architectural Building Solutions

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1300 300 099

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