

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	60*	80	100
Typical Mass (kg/m²) based on 0.6/0.5mm skins	13.9	14.3	15.1	16.0
Declared λ (W/m.K) at 23°C	0.023	0.023	0.023	0.023
Declared R-value (m²K/W) at 23°C	2.20	2.65	3.55	4.45
Total R-value (m²K/W) at 15°C (Winter)	2.49	2.96	3.89	4.83
Total R-value (m²K/W) at 30°C (Summer)	2.31	2.74	3.60	4.46

Note: The Declared R-value is at 23°C in accordance with AS/NZS 4859.1:2018 & AS/NZS 4859.2:2018.

Span Table

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

PIR Core / 0.6mm External (Micro V Rib) / 0.5mm Internal (Plain) Steel
Maximum uniformly distributed ultimate wind load (kPa) for the given span:

Single Span, wind pressure acting outwards				
Span (mm)	Panel Thickness (mm)			
	50	60*	80	100
1500	2.74	3.52	4.15	4.48
2400	1.71	2.20	2.59	2.80
3300	1.25	1.53	1.88	2.04
4200	0.79	0.94	1.26	1.58
5100	0.53	0.64	0.86	1.07
6000	0.39	0.46	0.62	0.77

Multi-span, wind pressure acting outwards				
Span (mm)	Panel Thickness (mm)			
	50	60*	80	100
1500	2.05	2.82	3.23	3.50
2400	1.28	1.76	2.02	2.19
3300	0.93	1.28	1.47	1.59
4200	0.73	0.94	1.15	1.25
5100	0.57	0.64	0.95	1.03
6000	0.38	0.46	0.79	0.88



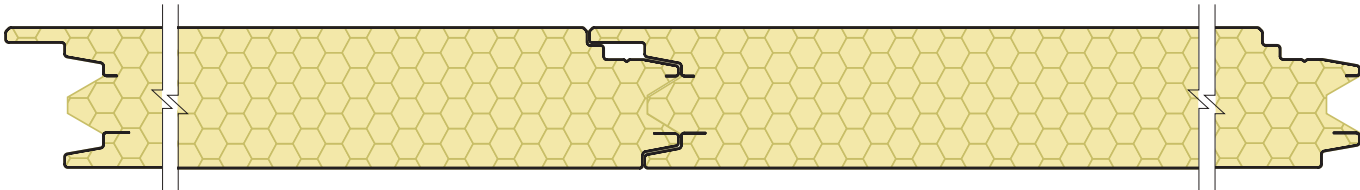
Core	PIR (Fire-retardant Polyisocyanurate)
Width (cover mm)	1100
Thickness (mm)	50, 60*, 80, 100
Length	Up to 16m (check for availability)
External Material	BlueScope® Steel 0.5mm, 0.6mm G300
External Finishes	Single V Rib, V Rib, Double V Rib, Micro V Rib, Satinline
Exterior Colour Options	Classic Cream™, 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	COLORBOND® Intramax™
Paint System	AS/NZS 2728 & AS 1397
Acoustic Properties	Rw 26 depending on thickness
Material Group Numbers	C1.10 Group 1 & 2 ^a
Bushfire Attack Level	BAL-40 (All exposed core to be covered with flashing)
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	4
SMOGR _{RC}	< 100

^aMetecnoInspire® V only.
a. AS 5637.1 / AS ISO 9705 - BCA Group Number (Spec C1.10)
MetecnoInspire® PIR steel skinned insulated building panels conform to the requirements of the BCA Specification C1.10 as either Group 1 or Group 2 depending on the thickness and construction details.
Group 1 - Panel up to 100mm thick with internal steel angles and external steel or aluminium angles fixed with steel rivets or screws at maximum 300mm centres is classified as Group 1.
Group 2 - Panel up to 100mm thick with aluminium 'wall-wall' and 'wall-ceiling' angles (1.5mm) fixed with aluminium rivets or screws is classified as Group 2.
Refer Metecno® for construction details.

The technical information contained in this document cover a breadth of applications where MetecnoInspire® may be used, which may be outside the scope of our Codemark certificate. Data specific to CodeMark certification can be found on MetecnoInspire®'s CoC CM40191.

SPAN TABLE 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. Fixings with tek screws, 2 at panel joint per line of support.
4. This span table applies to non-cyclonic regions only. Metecno® 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



MetecnoPIR Manufacturing Sites

MetecnoPIR – QLD
111 Ingram Road
Acacia Ridge QLD 4110
T: 07 3323 9900

MetecnoPIR – VIC
9-27 Amcor Way
Campbellfield VIC 3061
T: 03 9250 3300

To connect to your nearest MetecnoPIR branch simply call 1300 747 726 or visit www.metecnopir.com.au

Metecno Pty Limited. ABN 44 096 402 934. The manufacturer reserves the right to change the specification without notice. Bondor®, Equitilt®, BondorPanel®, FlameGuard®, FlameGuard® Plus, MetecnoPanel®, MetecnoInspire®, EconoClad®, MetecnoKasset®, MetecnoTherm®, InsulWall®, LuxeWall®, DesignerWall®, SolarSpan®, InsulRoof®, MetecnoSpan®, CoolRoof®, Equideck®, InsulLiving®, Metecno® are trademarks of Metecno Pty Limited. BlueScope, COLORBOND®, Intramax™ and colour names are trademarks of BlueScope Steel Limited. The colours shown in this publication 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. This advice is of a general nature only. Designers must provide for adequate structural performance and other Building Code requirements. *Conditions may apply. **Limited availability, minimum order quantity may be required. ^Check with NCC for permissible Solar Absorptance before selecting the exterior roof colour. Darker colours may be warranted for use in limited regions refer to www.metecnopir.com.au as this information is subject to change. Consult MetecnoPIR® for your application. BON0126 Tech Data Sheets -MetecnoInspire v15 29/03/2022.

