

Certification Body:


 ABN: 80 111 217 568
 JAS-ANZ Accreditation
 No. Z4450210AK
 PO Box 7144, Sippy
 Downs Qld 4556
 +61 (07) 5445 2199
www.CertMark.org

Certificate Holder:

Metecno Pty Ltd
 T/A Metecno, Bondor®
 ABN: 44 096 402 934
 121 Ingram Road, Acacia
 Ridge Qld 4110
 Ph: +61 7 3323 8555
www.bondor.com.au

THIS TO CERTIFY THAT

MetecnoInspire®

Type and/or use of product:

Insulated Wall Panel

Description of product:

MetecnoInspire® is an insulated architectural wall panel consisting of:

- External face - BlueScope® Steel G300
- Core material - PIR - Fire-retardant Polyisocyanurate
- Internal face - BlueScope® Steel G300

Refer A3 for further information.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2016

	Volume One (Amdt. 1)	Volume Two
Performance Requirement(s)	BP1.1(a) & (b)(i),(ii), (iii) Structural Reliability	P2.1.1(a) & (b)(i),(ii), (iii) & (c) Structural stability and resistance to actions
	CP1 & CP2 Fire Resistance – Restricted to non-loadbearing, non fire rated walls	P2.2.2 Weatherproofing - Restricted to wall cladding
	FP1.4 Weatherproofing - Restricted to wall cladding	P2.3.4 Bushfire Areas (BAL-40)
Deemed-to-Satisfy Provision(s):	Spec C1.10(4)(b) Fire Hazard Properties Group 2	3.12.1.4 External Walls – Refer to R Values in A3
	J1.5 Wall – Refer to R Values in A3	3.12.1.6 Attached Class 10a buildings
State or territory variation(s):	Not Applicable	P2.3.4 (TAS)

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B


 John Thorpe - CMI


 Don Grehan – Unrestricted Building Certifier

Date of issue: 15/08/2018

Date of expiry: 16/05/2021



Certificate of Conformity

Limitations and conditions:

1. MetecnoInspire[®] is to be installed in accordance with the Manufacturer's installation manuals; [BON0126 Bondor Tech Data Sheets - MetecnoInspire v6](#) and [BON0535 Drawing Pack - MetecnoInspire v1](#).
2. The waterproofing systems for all panels is dependent on window, door and other penetration frames being designed, constructed and installed in accordance with manufacturers recommendations to enable adequate flashing and sealing to the building.
3. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
4. Information contained herein or related hereto is intended only for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.
5. This Certificate is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate is outside of this document's scope and the installation of the certified product/system will not be covered by this CodeMark certification. This may result in the product being classified as a non-conforming building product/system.

Building classification/s:

1,2,3,4,5,6,7,8,9 & 10

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page one.

A2 Description of product

MetecnoInspire® is an insulated architectural facade system that uses a concealed fix system for use in facade or walling designs.

A3 Product specification

Panel Properties

Dimensions



Source: Certificate Holder

Core	PIR (Fire-retardant Polyisocyanurate)
Width (cover mm)	1100
Thickness (mm)	50, 80, 100
Length	Up to 16m
External Material	BlueScope® Steel 0.5mm, 0.6mm G300
External Finishes	Single V Rib, V Rib, Double V Rib, Micro V Rib, Satinline
Internal Material	BlueScope® Steel 0.5mm, 0.6mm G300
Internal Finishes	Smooth
Paint System	AS/NZS 2728:2013 & AS 1397-2011



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Fire Hazard Properties:	AS/NZS 1530.3-1999 Indices			
	Ignitability Index	0		
	Spread of Flame Index	0		
	Heat Evolved Index	0		
	Smoke Index	1		
Thermal & Energy Efficiency	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 the Certificate Holder for other temperatures.

Span Table

- Non-cyclonic region A & B
- 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

Mult-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

Notes

1. Pressures specified are for wind gusts only per AS/NZS 1170.2:2002.
2. Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS/NZS 1170.0:2002 - 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 4040.0-1992, AS 4040.1-1992, AS 4040.2-1992, AS 4040.3-1992, AS 1562.1-1992 and AS/NZS 1170.1:2002.
5. Correct at time of publishing. Refer Certificate Holder for updates.
6. Refer to your certifying engineer for panel selection.

Product	Document Name	Version
MetecnoInspire®	Metecnoinspire® Span Tables for Wind Region A & B – Non-Cyclonic (External Wall Applications Only) PIR Core 0.6/0.5mm steel skins - Screw	2
MetecnoInspire®	Metecnoinspire® Span Tables for Wind Region A & B – Non-Cyclonic (External Wall Applications Only) PIR Core 0.6/0.5mm steel skins - Mushroom	2
MetecnoInspire®	Metecnoinspire® Span Tables for Wind Region A & B (Ceiling Applications) PIR Core 0.6/0.5mm steel skins - Screw	2
MetecnoInspire®	Metecnoinspire® Span Tables for Wind Region A & B (Ceiling Applications) PIR Core 0.6/0.5mm steel skins - Mushroom	2
MetecnoInspire®	Metecnoinspire® Span Tables for Wind Region A, B, C & D (External Wall Applications Only) PIR Core 0.6/0.5mm steel skins - Screw	1

Source: Technical Data Sheet BON0126 Bondor® Tech Data Sheets - MetecnoInspire® v6



Certificate of Conformity

A4 Manufacturer and manufacturing plant(s)

Metecno Pty Ltd
111 Ingram Road
Acacia Ridge, Queensland 4110
T: +617 3323 8555

A5 Installation requirements

To be installed in accordance with the Manufacturer's installation manuals; [BON0126 Bondor Tech Data Sheets - MetecnoInspire v6](#) and [BON0535 Drawing Pack - MetecnoInspire v1](#).

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Bushfire Protection A2.2(a)(v) and 1.2.2(a)(iii). Reports from appropriately qualified person.
2. Fire Resistance A2.2(a)(iv)&(v) and 1.2.2(a)(i)&(iii). Reports from a Registered Testing Authority and Professional Engineers.
3. Structural Provision A2.2(a)(v) and 1.2.2(a)(iii). Reports from a Professional Engineer.
4. Thermal Performance A2.2(a)(v) and 1.2.2(a)(iii). Reports from a Professional Engineer.
5. Weatherproofing A2.2(a)(iv) and 1.2.2(a)(i). Reports from a Registered Testing Authority.

B2 Reports

1. AWTA; NATA Accreditation No.983; Report No. 7-539731-CQ; PIR Panel Fire Indices Test; Dated 22/09/2005.
2. Bligh Tanner; Reference No. 2017.0493; Assessment of MetecnoInspire® Span Tables; Dated 27/02/2018.
3. CSIRO; NATA Accreditation No. 165; Certificate of Assessment No. 1064; Group 2 PIR Alum Fixings; Dated 05/05/2008.
4. CSIRO; NATA Accreditation No. 165; Certificate of Assessment No. 1065; Group 2 PIR Steel Fixings; Dated 05/05/2008.
5. CSIRO; NATA Accreditation No. 165; Report No. HHI 2997; Assessment of MetecnoSpan® roofing panel end-lap assembly tested to AS 4046.9-2002; Dated 10/11/2016.
6. Hendry Group Pty Ltd; Report No. BAL AS 3959-2009 – Assessment Report Bondor® Roof Panels; Dated November 2017.
7. Ignis Solutions; Product Evaluation IGNS-5396 I01 R00; MetecnoInspire PIR Steel Clad Sandwich Panels compliance to AS 5367.1:2015; Dated 16/02/2018.
8. Irwinconsult Pty Ltd; Report No. 18ME0160; Fire Engineering Report on CV3 Fire Compliance; Dated 26/03/2018.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.