

Certificate number: CM40196

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

MetecnoPanel®

Type and/or use of product:

Insulated wall & ceiling panel.

Description of product:

MetecnoPanel® is an insulated wall and ceiling 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

Performance Requirement(s)

Volume One (Amdt. 1)

BP1.1 (a)&(b)(i), Structural reliability
(ii),(iii)

CV3 (b)(i) & (ii) Protection from the spread of fire – EW
classification.

Spec A2.3(2)(b) Fire-resistance of building elements – FRL -
/30/30 limited to 200mm or thicker panels.

Spec C1.10(4)(b) Fire Hazard Properties— Group Number 2.

J1.5 Energy Efficiency – External Walls. Can be used
in conjunction with other building elements to
achieve a Total R Value. Refer to A3.

Deemed-to-Satisfy Provision(s):

Volume Two

P2.1.1 (a)&(b)(i), Structural stability and resistance to actions
(ii),(iii) & (c)

P2.3.4 Bushfire Areas (BAL-40)

1.2.3 Protection from the spread of fire – FRL -/30/30
limited to 200mm or thicker panels.

1.2.4 Fire Hazard Properties— Group Number 2.

3.12.1.4 Energy Efficiency – External Walls. Can be used in
conjunction with other building elements to
achieve a Total R Value. Refer to A3.

State or territory variation(s) :

Not Applicable

P2.3.4 (TAS)


John Thorpe - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 15/08/2018

Date of expiry: 15/08/2021



Certificate of Conformity

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

Limitations and conditions:

1. MetecnoPanel[®] is to be installed in accordance with BON0126 Bondor Tech Data Sheets - MetecnoPanel v45 and BON0535 Drawing Pack - MetecnoPanel v1.
2. The metal wall panels will be limited by wind load depending on the span certified for the product type, thickness, core density and fixing configuration as per the product's certified span tables.
3. MetecnoPanel[®] is suitable for use as the wall panel on buildings to be constructed in designated bushfire prone areas that require a BAL-40 or less, when installed in accordance with the MetecnoPanel[®] Technical Drawings (v1 – Dated 09/04/2018) and all exposed core material is encapsulated with a non-combustible covering.
4. 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.
5. 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.
6. 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.

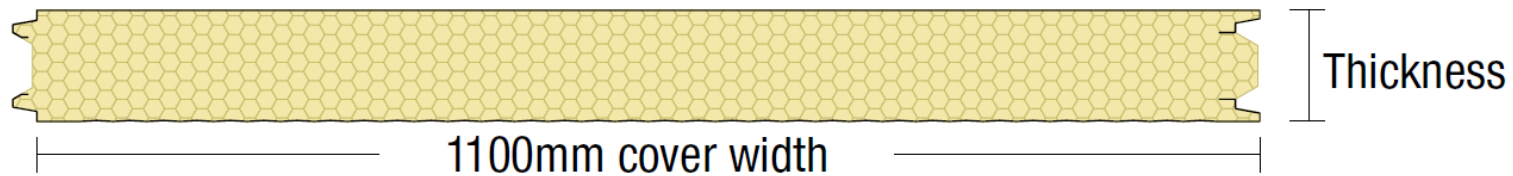
A2 Description of product

MetecnoPanel® is an insulated wall and ceiling sandwich panel with outer steel faces of BlueScope® Steel G300 and an inner core of PIR fire-retardant Polyisocyanurate.

A3 Product specification

Panel Properties

Dimensions



Source: Certificate Holder

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® Steel 0.5mm, 0.6mm G300
External Finishes	Plain, Finline, Satinline, Ribbed
Exterior Colour Options	Various
Internal Material	BlueScope® Steel 0.5mm, 0.6mm G300



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Internal Finishes	Plain, Finline, Satinline, Ribbed						
Paint System	AS/NZS 2728:2013 & AS 1397-2011						
Material Group Numbers	Group 2						
SMOGR _{ARC}	21.1-47m ² s ⁻² x 1000						
Bushfire Attack Level	BAL- 40						
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	75	100	125	150	200
	Typical Mass (kg/m ²)	12.0	13.0	14.0	14.7	15.5	17.4
	Total R-value (m ² K/W) @ 6°C	2.9	4.3	5.6	7.0	8.3	11.1
	Total R-value (m ² 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 the certificate holder for other temperatures.

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

MetecnoPanel® is to be installed in accordance with BON0126 Bondor Tech Data Sheets - MetecnoPanel v45 and BON0535 Drawing Pack - MetecnoPanel v1.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Bushfire Protection A2.2(a)(iv) and 1.2.2 (a)(iii). Reports from appropriately qualified person.
2. Fire Hazard Properties A2.2 (a)(iv)(v) and 1.2.2 (a)(i)(iii) Reports from an Accredited Testing Laboratory and reports from a professional engineer.
3. Structural Provision A2.2(a)(v) and 1.2.2 (a)(iv). Reports from professional engineer.
4. Thermal Performance A2.2 (a)(v) and 2.3.3 (a)(vi). Reports from professional engineer.

B2 Reports

1. AWTA Textile Testing; NATA Accreditation No. 1356; Report No. 7-539731-CQ; Testing in accordance with AS/NZS 1530.3-1999, fire indices test; Dated 22/09/2005.
2. Bligh Tanner; Report No. 2017.0493; Certification of Span Tables; Dated 27/02/2018.
3. EXOVA Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Certificate No. SFC50791800.1; Testing to AS 5113:2016; Dated 21/11/2017.
4. EXOVA Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. 50791800.1; Testing to AS 5113:2016; Dated 25/08/2017.
5. EXOVA Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. 42649600.1; Testing to BS8414.2-2015; Dated 06/10/2016.
6. EXOVA Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. 47868300.1; Testing to AS 1530.4-2014; Dated 05/04/2017.
7. Hendry Group Pty Ltd; Report No. BAL-AS-3959; Assessment of Bondor® wall panels in bushfire prone areas up to BAL-40; Dated November 2017.
8. Ignis Solutions; Report No. 5396 I01 R00; Product Evaluation - MetecnoPanel PIR Steel clad sandwich panel compliance to AS 5367.1:2015; Dated 16/02/2018.
9. James M Fricker; Report No. 265c; Thermal performance calculations; Dated 14/02/2018.

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