

Certificate number: CM40235

Certification Body:


 ABN: 80 111 217 568
 JAS-ANZ Accreditation
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Certificate Holder:

Metecno Pty Ltd
 T/A MetecnoPIR,
 Bondor®
 ABN: 44 096 402 934
 121 Ingram Road,
 Acacia Ridge Qld 4110
 Ph: +61 7 3323 8555
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THIS TO CERTIFY THAT

InsulRoof®

Type and/or use of product:

Insulated roof panel.

Description of product:

InsulRoof is an insulated roofing panel consisting of

- External face - BlueScope Steel G550
- Core material - EPS-FR – expanded Polystyrene with fire retardant & PUR Polyurethane Foam
- Internal face - BlueScope Steel G550

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), (vii),(xi) & (xii) Structural reliability.	P2.1.1(a)&(b)(i),(ii),(iii), (vii),(xi), (xii) & (c) Structural stability and resistance to actions.
Deemed-to-Satisfy Provision(s):	Spec C1.10(4)(b) Fire Hazard Properties— Group Number 1.	1.2.4 Fire Hazard Properties— Group Number 1.
	J1.3 Energy Efficiency – Roof and ceiling construction. Can be used in conjunction with other building elements to achieve a Total R Value. Refer to A3.	3.12.1.2 Energy Efficiency – Roofs. Can be used in conjunction with other building elements to achieve a Total R Value. Refer to A3.
	F1.5 Roof coverings.	3.12.1.6 Energy Efficiency – Attached Class 10a buildings. 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: 12/09/2018

Date of expiry: 12/09/2021



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. InsulRoof[®] is to be installed in accordance with [BON0126 Bondor Tech Data Sheets - InsulRoof v11](#) and [BON0535 Drawing Pack - InsulRoof v1](#).
2. The metal roof 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. InsulRoof[®] is suitable for use as the roof panel on buildings to be constructed in designated bushfire prone areas that require a BAL-40 or less, when installed in accordance with the InsulRoof[®] Technical Drawings (v1 – Dated 21/03/2018) and all exposed core material is encapsulated with a non-combustible covering.
4. The waterproofing systems for all panels is dependent on construction and installation in accordance with manufacturers recommendations to enable adequate flashing and sealing to the building.
5. 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.

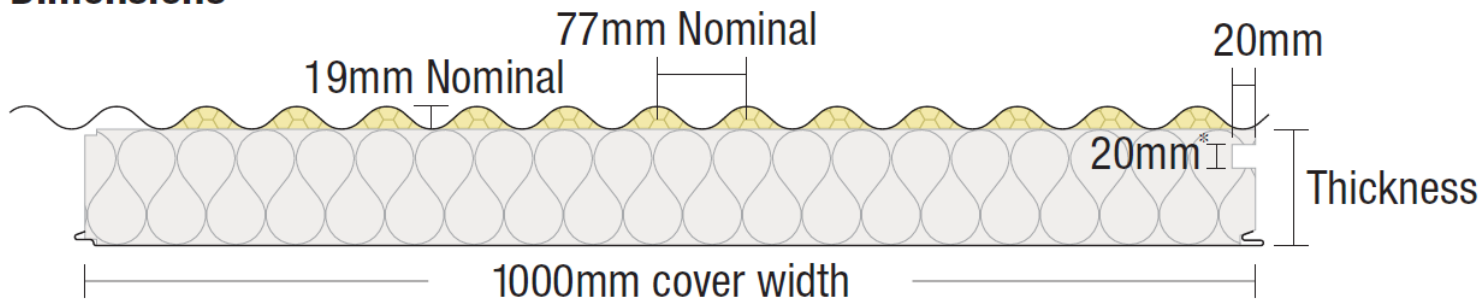
A2 Description of product

InsulRoof® is an insulated roof sandwich panel with outer steel faces of Colorbond® pre-painted Steel G550 and an inner core of EPS-FR (Expanded Polystyrene with fire-retardant) and PUR (Polyurethane Foam).

A3 Product specification

Panel Properties

Dimensions



* Services ducts 30x30mm are available for panel thicknesses 150-200mm.

Source: Certificate Holder

Core	EPS-FR (Expanded Polystyrene with fire retardant) PUR (Polyurethane Foam)
Width (cover mm)	1000
Thickness (mm)	50, 75, 100, 125, 150 & 200
Length	Up to 12m (check for availability)



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External Material	0.42mm G550 Colorbond® pre-painted steel						
External Finishes	Corrugated						
Exterior Colour Options	Various						
Internal Material	0.6mm G300 Colorbond® pre-painted steel						
Internal Finishes	Plain, Elegance						
Paint System	AS/NZS 2728:2013 & AS 1397-2011						
Pitch	5 degree minimum						
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)	11.6	11.9	12.3	12.6	13.0	13.7
	SL Grade Total R-value (m ² K/W)	1.6	2.3	2.9	3.5	4.2	5.4
	VH Grade Total R-value (m ² K/W)	1.9	2.6	3.3	4.1	4.8	6.3
Note: The above Total R-values are for insulation average temperature of 15°C. Contact the Certificate Holder for other temperatures and different EPS core grades.							

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

InsulRoof® is to be installed in accordance with [BON0126 Bondor Tech Data Sheets - InsulRoof v11](#) and [BON0535 Drawing Pack - InsulRoof v1](#).



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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.
5. Weatherproofing Performance A2.2(a)(v) and 1.2.2 (a)(iv). Reports from professional engineer.

B2 Reports

1. AWTA Textile Testing; NATA Accreditation No. 1356; Report No. 7-599058-CQ; Testing InsulRoof corrugated face panel in accordance with AS/NZS 1530.3-1999; Dated 29/08/2014.
2. AWTA Textile Testing; NATA Accreditation No. 1356; Report No. 7-599072-CQ; Testing InsulRoof flat face panel in accordance with AS/NZS 1530.3-1999; Dated 29/08/2014.
3. Bligh Tanner; Report No. 2017.0493; Certification of InsulRoof Span Tables compliance with F1.5 of NCC Vol1 and P2.2.2 of NCC Vol 2; Dated 13/04/2018.
4. Hendry Group Pty Ltd; Report No. BAL-AS-3959; Assessment of Bondor® wall panels in bushfire prone areas up to BAL-40; Dated 09/11/2017.
5. Ignis Solutions; Evaluation No. IGNS-6180-02 I01R02; Product Evaluation – InsulRoof Group Number evaluation; Dated 28/06/2018.
6. James M Fricker; Report No. 265c; Thermal performance calculations; Dated 13/02/2018.
7. R & D Engineering; Report No. RD18212-R1; Evaluation of thermal calculation performed by James M Fricker Pty Ltd; Dated 23/03/2018.

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