



Certificate of Conformity

Certificate number: CM40189 Rev2

Certification Body:

CertMark
International
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 Rd
Acacia Ridge QLD
4110
Ph: +61 7 3323 8555
www.bondor.com.au

THIS IS TO CERTIFY THAT

BondorPanel®

Type and/or use of product:

Insulated wall and ceiling panel.

Description of product:

BondorPanel® is an insulated wall and ceiling panel consisting of:

- External face - BlueScope® Steel G300
- Core material - EPS-FR - Expanded Polystyrene with fire-retardant
- Internal face - BlueScope® Steel G300

Refer A3 for further information.

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

BCA 2019

	Volume One	Volume Two
Performance Requirement(s):	BP1.1(a) & (b)(i), (ii), (iii) FP1.4	P2.1.1(a) & (b)(i),(ii), (iii) & (c) P2.2.2
	Structural Reliability Weatherproofing	Structural stability and resistance to actions Weatherproofing for external walls
Deemed-to-Satisfy Provision(s):	C1.10(a)(ii) & (ix) J1.5	3.12.1.4(b) 3.12.1.6(a)
	Fire Hazard Properties – Ceiling & Other Insulative Material other than sarking - Refer A3 Energy Efficiency – Walls - Contributes to the overall energy efficiency of the building. Refer A3	Energy Efficiency – External Walls - Contributes to the overall energy efficiency of the building. Refer A3 Energy Efficiency - Attached Class 10a Buildings - Contributes to the overall energy efficiency of the building. Refer A3
State or territory variation(s):	Not Applicable	Part 3.12 (NSW, NT), 3.12.1.6 (SA)

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. This product has not been tested to AS 1530.1-1994 and cannot be considered a non-combustible product.
2. The BondorPanel® wall panels are limited to the use in Type C Construction in Class 2 to 9 buildings when being used as external walls. Note, BondorPanel® wall panels can be used as internal walls in class 2 to 9 buildings and as internal and external walls in class 1 & 10 buildings.

Building classification/s:

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

John Thorpe - CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 10/10/2019

Date of expiry: 16/05/2021



Certificate of Conformity

3. The metal wall panels will be limited by wind load shown in the manufacturer's specifications on the span certified for the product type, thickness, core density and fixing configuration as per the product's certified span tables.
4. Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The Certificate Holder has made available the BON0535 Drawing Pack - BondorPanel v2.
5. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
6. The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

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.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity. This may result in the product being classified as a non-conforming building product.

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.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CertMark International has relied on the experience and expertise of external bodies (laboratories and technical experts).

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.

APPENDIX A – PRODUCT TECHNICAL DATA

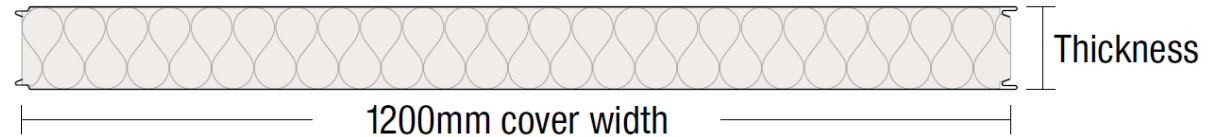
A1 Type and intended use of product

As per page 1.

A2 Description of product

Core	EPS-FR (Expanded Polystyrene with fire retardant)
Width (cover mm)	1200
Thickness	50, 75, 100, 125, 150, 200 & 250
Length	Up to 16m
External Material	BlueScope® Colorbond® Steel 0.6mm G300
Internal Material	BlueScope® Colorbond® Steel 0.6mm G300

Dimensions



Source: Certificate Holder

A3 Product specification

Structure

In order to maintain compliance with structure, the following Span Tables must be referred to which have been certified by a licensed Professional Engineer.

Document Name	Version
BONDORPANEL® SPAN TABLES FOR WIND REGION A & B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade SL 0.6mm steel skins	2
BONDORPANEL® SPAN TABLES FOR WIND REGION C & D – CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade SL 0.6mm steel skins	2
BONDORPANEL® SPAN TABLES FOR WIND REGION A & B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade M 0.6mm steel skins	2
BONDORPANEL® SPAN TABLES FOR WIND REGION A & B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade H 0.6mm steel skins	2
BONDORPANEL® SPAN TABLES FOR WIND REGION A & B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS WITH SINGLE MUSHROOM FIXING) EPS Core Grade SL 0.6mm steel skins	1
BONDORPANEL® SPAN TABLES (INTERNAL WALL, CEILING AND COLD STORAGE APPLICATIONS) EPS Core Grade SL 0.6mm steel skins	7
BONDORPANEL® SL Core 0.6mm Steel Skins Wall Span Table for Housing Application – Non-Cyclonic	1
BONDORPANEL® SL Core 0.6mm Steel Skins Wall Span Table for Housing Application – Cyclonic	1

Material Group Numbers **Group 1**

Panel up to 250mm thick with steel ‘wall-wall’ and ‘wall-ceiling’ angles fixed with steel rivets or screws at maximum 300mm centres is classified as Group 1.

Smoke Growth Rate Index (SMOGRARC) is less than 100

Group 2

Panel up to 150mm thick with aluminium ‘wall-wall’ and ‘wall-ceiling’ angles fixed with aluminium rivets or screws at 300mm centres is classified as Group 2. Panel thicker than 150mm requires steel ‘wall-wall’ and ‘wall-ceiling’ angles fixed with steel rivets or screws at 300mm centres to be classified as Group 2.

Smoke Growth Rate Index (SMOGRARC) is less than 100

Fire Hazard Properties

AS/NZS 1530.3-1999 Indices

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2-3

Thermal & Energy Efficiency

Panel Thickness (mm)	50	75	100	125	150	200	250
Typical Mass (kg/m ²)	11.3	11.6	12.0	12.3	12.7	13.3	14.0
SL Grade Total R-value (m ² K/W) @ 6°C	1.5	2.1	2.8	3.4	4.1	5.4	6.7
SL Grade Total R-value (m ² K/W) @ 15°C	1.4	2.1	2.7	3.3	4.0	5.2	6.5

Note: The above Total R-values are for insulation average temperature of 6°C and 15°C. Contact the Certificate Holder for other temperatures.

A4 Manufacturer and manufacturing plant(s)

Metecno Pty Ltd
103 Ingram Rd
Acacia Ridge, QLD 4110

A5 Installation requirements

Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The Certificate Holder has made available the [BON0535 Drawing Pack - BondorPanel v2](#).

A6 Other relevant technical data

Acoustic Properties



Certificate of Conformity

R_w 24 – R_w 25 Depending on thickness. Contact Certificate Holder for more information.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural Provisions – A5.2(1)(e). Reports from a professional engineer.
2. Fire Safety Provisions – A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
3. Thermal Provisions – A5.2(1)(e). Reports from a professional engineer.
4. Weatherproofing Provisions – A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. AWTA Product Testing; NATA Accreditation No. 1356; Report No. 7-563460-CQ; AS/NZS 1530.3:1999 Fire Indices; Dated 25/11/2008.
2. Bligh Tanner; Reference No. 2017.0493; Assessment of BondorPanel® span tables; Dated 19/03/2018.
3. BRANZ; IANZ Accreditation No. 37; Fire Test Certificate 372; Group 2 to AS ISO 9705:2013 Insulating panel with a thickness of 250mm or less; Dated 29/04/2005.
4. BRANZ; IANZ Accreditation No. 37; Fire Test Certificate 373; Group 2 to AS ISO 9705:2013 Insulating panel with a thickness of 150mm or less; Dated 29/04/2005.
5. BRANZ; IANZ Accreditation No. 37; Fire Test Certificate 374; Group 1 to AS ISO 9705:2013 Insulating panel with a thickness of 250mm or less; Dated 29/04/2005.
6. Ian Bennie And Associates; Accreditation No. 2371; Report No.2019-020-S2; NCC-2019 Verification Methods FV1 & V2.2.1 in accordance with AS/NZS 4284:2008; Dated 17/07/2019.
7. Ian Bennie And Associates; Accreditation No. 2371; Report No.2019-020-S3; NCC-2019 Verification Methods FV1 & V2.2.1 in accordance with AS/NZS 4284:2008; Dated 17/07/2019.
8. Ignis Solutions; Evaluation No. IGNS-5396 Issue 01 Revision 02 [2017]; Bondor® Panels ISO 9705 Testing conducted by BRANZ; Dated 23/02/2019.
9. James M Fricker Pty Ltd; Report 265w01; Thermal performance calculations to AS/NZS 4859.1:2002/Amdt 1 (Dec 2006); Dated 13/02/2018.

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