

**Certification Body:**

  
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 JAS-ANZ Accreditation  
 No. Z4450210AK  
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[www.CertMark.org](http://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  
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**THIS TO CERTIFY THAT**

**Equideck®**

**Type and/or use of product:**

Insulated Roof Panel.

**Description of product:**

Equideck® is an insulated roofing 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 2016**

	<b>Volume One (Amdt. 1)</b>	<b>Volume Two</b>
<b>Performance Requirement(s)</b>	BP1.1(a)&(b)(i), (ii),(iii),(viii),(xi) & (xii) Structural Reliability	P2.1.1(a)&(b)(i), (ii),(iii), (viii),(xi) (xii) & (c) Structural stability and resistance to actions
	FP1.4 Weatherproofing	P2.2.2 Weatherproofing for roofs
		P2.3.4 Bushfire areas (BAL-40)
		P2.6.1 Energy efficiency – Building Fabric
<b>Deemed-to-Satisfy Provision(s):</b>	Spec C1.10(4)(b) Fire Hazard Properties	3.12.1.2 Roofs – Refer to R Values in A3
	J1.3 Roof and Ceiling Construction - Refer to R Values in A3.	
<b>State or territory variation(s):</b>	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. Equideck<sup>®</sup> metal roof 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.
2. Equideck<sup>®</sup> is to be installed in accordance with the Manufacturer's installation manuals; [BON0126 Bondor Tech Data Sheets - Equideck v44](#) and [BON0535 Drawing Pack - Equideck v1](#).
3. 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.
4. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
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](http://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.

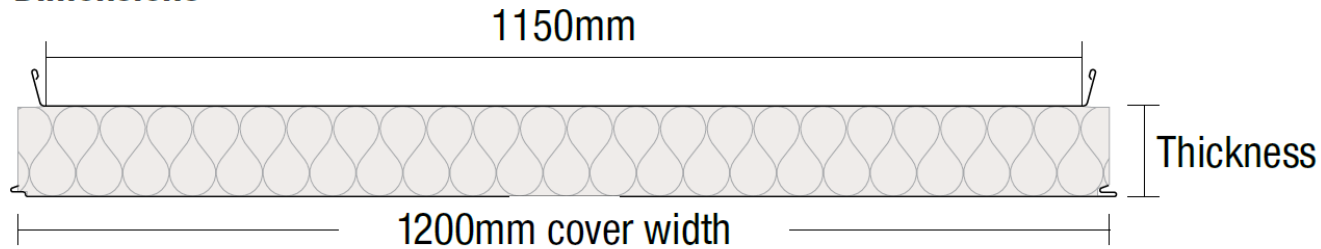
### A2 Description of product

Equideck® EPS-FR insulated roofing panel system provides a flat and standing-seam like roof profile made from Colorbond® steel, a pre-painted ceiling underside and insulated core in an all-in-one roofing panel. Equideck® is made using Australian-made Colorbond® steel.

### A3 Product specification

#### Panel Properties

#### Dimensions



Source: Certificate Holder

Core	EPS-FR (Expanded Polystyrene with fire retardant)
Width (cover mm)	1200
Pitch	3° Minimum
Length	Up to 16m
External Material	BlueScope® Colorbond® Steel 0.6mm G300
External Finishes	Plain, Ribbed, Satinline
Internal Material	BlueScope® Colorbond® Steel 0.6mm G300
Paint System	AS 2728:2013 & AS 1397-2011

# Certificate of Conformity

## 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.

### Group 2

Panel 150mm or less with an 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.

## 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 <sup>2</sup> )	11.3	11.6	12.0	12.3	12.7	13.3	14.0
Total R-value (m <sup>2</sup> K/W)	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 15°C. Contact the certificate holder for other temperatures.

## Span Table

- Non-Cyclonic Region A & B (Roof Applications Only).
- SL Grade EPS-FR Core / 0.6mm Steel Skins.
- Maximum uniformly distributed Ultimate Wind Load (kPa) for the given span:

Single Span, wind pressure acting outwards								Multi Span, wind pressure acting outwards							
Span (mm)	Panel Thickness (mm)							Span (mm)	Panel Thickness (mm)						
	50	75	100	125	150	200	250		50	75	100	125	150	200	250
1500	3.49	5.19	6.89	8.59	10.29	12.12	12.12	1500	2.82	4.18	4.91	4.91	4.91	4.92	4.92
2750	1.97	2.93	3.88	4.82	5.77	6.78	6.79	2750	1.61	2.37	2.77	2.78	2.78	2.78	2.79
3900	1.06	1.67	2.20	2.73	3.25	4.31	4.74	3900	1.14	1.67	1.95	1.96	1.96	1.96	1.97
5100	-	1.02	1.33	1.64	1.95	2.57	3.18	5100	-	1.02	1.33	1.52	1.53	1.53	1.54
6300	-	-	0.91	1.11	1.32	1.72	2.13	6300	-	-	0.91	1.11	1.26	1.26	1.27
7500	-	-	-	-	0.96	1.25	1.54	7500	-	-	-	-	0.96	1.08	1.08
8700	-	-	-	-	-	0.96	1.18	8700	-	-	-	-	-	0.95	0.95

## Notes

1. Extended span tables including wind pressure acting inwards are also available. Refer Certificate Holder.
2. Fixing details refer Certificate Holder.
3. Pressures specified are for wind gusts only per AS/NZS 1170.2:2002.
4. Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS/NZS 1170.0:2002 - TABLE C1.
5. Self weight of the panel has been allowed for, plus an allowance of up to 10kg/m<sup>2</sup> for light duty fittings (lights, etc.). No other dead loads permitted.
6. Non-trafficable maintenance access (concentrated load) of 140kg (exceeding min. requirements of AS/NZS 1170.1:2002) on any one panel has been allowed for.

Product	Document Name	Version
Equideck®	Equideck® Span Tables for Wind Region A & B – Non-Cyclonic (External Roof Applications Only) EPS Core Grade SL 0.6/0.6mm steel skins	3
Equideck®	Equideck® Span Tables for Wind Region A & B – Non-Cyclonic (External Roof Applications Only) EPS Core Grade SL 0.6/0.6mm steel skins – Tek Screw	3
Equideck®	Equideck® 0.6mm Steel Skins - Roof Span Table for Housing Application	1
Equideck®	Equideck® 0.5mm Steel Skins - Roof Span Table for Housing Application	1

Source: Technical Data Sheet BON0126 Bondor® Tech Data Sheets - Equideck® v44



# Certificate of Conformity

## **A4 Manufacturer and manufacturing plant(s)**

Metecno Pty Ltd  
103 Ingram Rd  
Acacia Ridge, QLD 4110  
Ph: +61 7 3323 8555

## **A5 Installation requirements**

Only to be installed in accordance with the Technical Data Sheet [BON0126 Bondor Tech Data Sheets - Equideck v44](#) and [BON0535 Drawing Pack - Equideck v1](#).

## **A6 Other relevant technical data**

Acoustic Properties –  $R_w$  24 –  $R_w$  25 Depending on thickness.

## 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 A2.2(a)(iv)&(v) and 1.2.2(a)(i)&(iii). Reports from a Registered Testing Authority and Professional Engineer.
3. Fire Hazard Properties A2.2(a)(vi) and 1.2.2(a)(vi). Reports from appropriately qualified person.
4. Structural Provision A2.2(a)(v) and 1.2.2(a)(iii). Reports from a Professional Engineer.
5. Thermal Performance A2.2(a)(v) and 1.2.2(a)(iii). Reports from a Professional Engineer.
6. 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; Test Report No. 7-563460-CQ; AS/NZS 1530.3:1999 Fire Indices; Dated 25/11/2008.
2. Blight Tanner; Reference No. 2017.0493; Assessment of Equideck® Span Tables; Dated 13/04/2018.
3. BRANZ; Fire Test Certificate No. 374; Test Standard: AS ISO 9705 group 1 compliance; Dated 29/04/2005.
4. BRANZ; Fire Test Certificate No. 373; Test Standard: AS ISO 9705 group 2 compliance; Dated 29/04/2005.
5. Ignis Solutions; Evaluation No. IGNS-5396; Bondor panels ISO 9705 testing – Advisory Note; Dated 25/01/2018.
6. Hendry Group Pty Ltd; Report No. BAL AS 3959-2009 – Assessment Report Bondor® Roof Panels; Dated 09/11/2017.
7. James Fricker Pty Ltd; Report No. 265r040; Thermal insulation evaluation; Dated 03/02/2018

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