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Certificate Holder:

Metecno Pty Ltd
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THIS TO CERTIFY THAT

Equitilt®

Type and/or use of product:
 Insulated Wall Panel.

Description of product:

Equitilt® is a versatile insulated architectural façade panel consisting of:

- External face – 0.6mm, 0.7mm G300 Colorbond® steel;
- Core material – EPS-FR – Expanded Polystyrene with Fire Retardant;
- Inner face - 0.6mm, 0.7mm G300 Colorbond® steel.

Refer A2 and A3 below for further descriptions.

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
	FP1.4 Weatherproofing (can be used in conjunction with other building elements to prevent the penetration of water)	P2.2.2 Weatherproofing (can be used in conjunction with other building elements to prevent the penetration of water)
	GP5.1 Construction in bushfire prone areas - BAL-40	P2.3.4 Bushfire areas - BAL-40
Deemed-to-Satisfy Provision(s):	Spec C1.10(4)(b) Fire Hazard Properties	3.12.1.4 External Walls (can be used in conjunction with other building elements to achieve a Total R-Value)
	J1.5 Walls (can be used in conjunction with other building elements to achieve a Total R-Value)	3.12.1.6 Attached to Class 10a Building (can be used in conjunction with other building elements to achieve a Total R-Value)
State or territory variation(s):	NSW, QLD and TAS GP5.1	TAS P2.3.4

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: 26/03/2021



Certificate of Conformity

Limitations and conditions:

1. The Equitilt[®] wall panels are limited to the use in Type C Construction in Class 2 to 9 buildings when being used as external walls. Note Equitilt[®] 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.
2. The Equitilt[®] 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. The weatherproofing of the panels is dependent on window, door and other penetration frames being designed, constructed and installed in accordance with the manufacturer's recommendations to enable adequate flashing and sealing to the building.
4. The Equitilt[®] is suitable for use as the wall coverings on buildings to be constructed in designated bushfire prone areas that require a BAL-40 or less, when installed in accordance with [Technical Drawings \(v2 – Dated 05/03/2018\)](#) and the [Technical Data Sheet \(Equitilt[®] v2, Dated: 20/08/2018\)](#) and all exposed core material is encapsulated with a non-combustible covering.
5. The Group numbers achieved in accordance with AS ISO 9705-2003 as either Group 2 or Group 1 depending on the thickness and construction detail. Refer A3 on the next page.
6. 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.
7. 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.

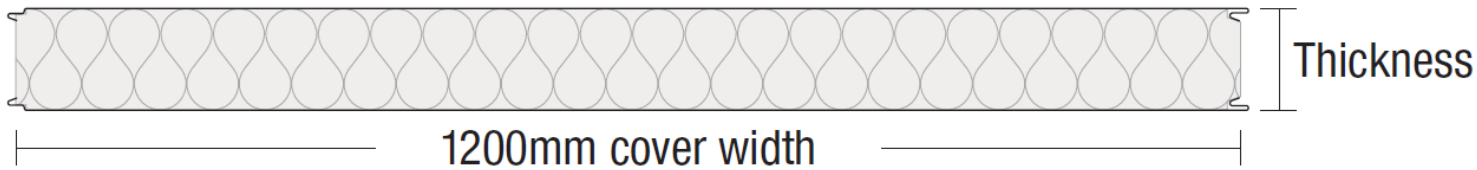
A2 Description of product

Equitilt® is a versatile insulated architectural façade panel installed in either a horizontal or vertical orientation that combines functionality with creative expression. Equitilt® is offered in a variety of metallic or standard Colorbond® colours which are able to be mixed with surface profiles to deliver a stunning finish to a building's exterior and interior.

A3 Product specification

Panel Properties

Dimensions



Source: Technical Data Sheet BON0126 Bondor Tech Data Sheets – Equitilt v2

Core	EPS-FR (Expanded Polystyrene with fire retardant)
Width (cover mm)	1200, 900 (non-standard)
Thickness (mm)	50, 75, 100, 125, 150, 200 & 250
Length	Up to 16m (check for availability)
External Material	Colorbond® Steel 0.6mm, 0.7mm G300
External Finishes	Plain, Ribbed, Satinline, Shadowline Series 600/1200
Exterior Colour Options	Various
Internal Material	Colorbond® Steel 0.5mm, 0.6mm G300
Internal Finishes	Plain, Ribbed, Satinline, Shadowline Series 600/1200

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Paint System	AS/NZS 2728:2013 & AS 1397-2011							
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 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.							
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	2-3						
Thermal & Energy Efficiency	Panel Thickness (mm)	50	75	100	125	150	200	250
	Mass (kg/m ²)	12.0	12.4	12.8	13.2	13.5	14.2	14.9
	Total 'R' Value (m ² K/W) SL Grade	1.4	2.1	2.7	3.3	4.0	5.2	6.5
	Total 'R' Value (m ² K/W) M Grade	1.5	2.2	2.9	3.6	4.2	5.6	6.9
	Total 'R' Value (m ² K/W) VH Grade	1.6	2.4	3.1	3.9	4.6	6.1	7.5
Note: The above Total R-values are for insulation average temperatures of 15°C. Contact Bondor® for other temperatures and different EPS core grades.								

Span Tables

Non-Cyclonic Region A&B (Wall Applications Only)

SL Grade EPS-FR Core / 0.7mm External / 0.6mm Internal 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	4.27	6.40	8.53	10.67	12.80	17.07	21.33	1500	3.41	5.12	6.83	8.53	10.24	12.53	12.53
2700	2.01	3.21	4.27	5.33	6.40	8.52	10.64	2700	1.90	2.84	3.79	4.74	5.69	6.96	6.96
3900	1.03	1.54	2.05	2.56	3.07	4.08	5.10	3900	1.03	1.54	2.05	2.85	3.07	4.08	4.82
5100	0.58	0.90	1.20	1.5	1.79	2.39	2.98	5100	0.60	0.90	1.20	1.50	1.79	2.39	2.98
6300	0.35	0.59	0.78	0.98	1.17	1.56	1.95	6300	0.40	0.59	0.78	0.98	1.17	1.56	1.95
7500		0.42	0.55	0.69	0.83	1.10	1.38	7500	0.28	0.42	0.55	0.69	0.83	1.10	1.38
8700		0.31	0.41	0.62	0.62	0.82	1.02	8700		0.31	0.41	0.51	0.62	0.82	1.02

Notes:

1. Pressures specified are for wind gusts only per AS 1170:2011.
2. Deflection limit span/150 applies, and in accordance with Serviceability Limit State criteria per AS 1170.0:2011 – TABLE C1.
3. Fixing with 14g tek screws (x4 off) or mushroom head bolts (x2 off) minimum per fixing point are required.
4. The span table applies to non-cyclonic regions only.
5. Correct at the time of publishing. Refer Bondor® for updates.
6. Refer to your certifying Engineer for panel selection.
7. Span Tables have been developed by Blich Tanner Consulting Engineers by interpretation of physical testing conducted & reported by BRANZ.

Document Name	Version
Equitilt® Span Tables for Wind Region A – Non-Cyclonic (External Wall Applications Only) EPS Core 0.6mm (Internal) and 0.7mm (External) steel skins	3
Equitilt® Span Tables for Wind Region B – Non-Cyclonic (External Wall Applications Only) EPS Core 0.6mm (Internal) and 0.7mm (External) steel skins	3
Equitilt® Span Tables for Wind Region A – Non-Cyclonic (External Wall Applications with Single Mushroom) EPS Core 0.6mm (Internal) and 0.7mm (External) steel skins	2
Equitilt® Span Tables for Wind Region B – Non-Cyclonic (External Wall Applications with Single Mushroom) EPS Core 0.6mm (Internal) and 0.7mm (External) steel skins	2



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A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

Equitilt® is required to be installed in accordance with the [Technical Drawings \(v2 – Dated 05/03/2018\)](#) and the [Technical Data Sheet \(Equitilt® v2, Dated: 20/08/2018\)](#).

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Bushfire Protection A2.2 (a)(vi) and 1.2.2 (a)(vi). Reports from appropriately qualified person.
2. Structural Provision A2.2 (a)(iii) and 1.2.2 (a)(iii). Reports from a Professional Engineer.
3. Damp and Weatherproofing A2.2 (a)(iii) and 1.2.2 (a)(iii). Reports from a Professional Engineer.
4. Fire Hazard Properties A2.2 (a)(i) & (iii) and 1.2.2 (a)(i) & (iii) Reports from a Registered Testing Authority and report from a Professional Engineer
5. Thermal Performance A2.2 (a)(iii) and 1.2.2 (a)(iii). Reports from a Professional Engineer.

B2 Reports

1. Hendry Group Pty Ltd; Report on Deemed-to-Satisfy assessment of Bondor® Wall Panels under Volume Two of the NCC Construction in designated Bushfire Areas up to BAL-40 in accordance with AS 3959:2009 (compliance with NCC 3.7.1.2); Dated November 2017.
2. Bligh Tanner Pty Ltd; Reference No. 2017.0493; Certification of Equitilt® Panel Span Tables; Dated 17/08/2018.
3. VIPAC; Document No. 30B-12-0101-TRP-304640-0; InsulLiving® Weatherability Testing Test Report – AS/NZS 4284: 2008; Dated: 15/11/2012.
4. Bligh Tanner Pty Ltd; Report No. 2017.0493; Weatherproofing assessment of Equitilt® Panel; Dated 12 March 2018.
5. AWTA; NATA Accreditation No. 1356; Fire Test Report 7-563460-CQ; Testing to AS/NZS 1530.3:1999; Dated 25/11/2008.
6. 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.
7. 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.
8. 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.
9. Ignis Solutions; Evaluation No. IGNS-5396 Issue 01 Revision 01 [2017]; Bondor® Panels ISO 9705 Testing; Dated 25/01/2018.
10. 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.