Certificate of Conformity

Certification Body:

CMI CERTIFICATION
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Certificate Holder:

Metecno Pty Ltd
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Certificate number: CM40104 Rev1

THIS IS TO CERTIFY THAT

Equitilt®

Type and/or use of product:

Insulated Wall Panel.

Description of product:

Equitilt® is an insulated wall panel comprising Expanded Polystyrene with Fire Retardant (SL Grade EPS-FR) core and COLORBOND® steel skins. Refer A2 for further information.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2)**

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(1),(2)(a),(b) & (c)	Structural Reliability	H1P1(1),(2)(a),(b),(c) & (3)	Structural stability and resistance to actions
Deemed-to-Satisfy Provision(s):	C2D11(1)(b) & (i)	Fire hazard properties. Walls, Ceiling & Other Insulative Material other than sarking - Refer A3	H2D6(4)	Weatherproofing – Roof and wall cladding
	F3D5(1)(c)	Weatherproofing – Wall cladding	H6D2(1)(b)(i)	Energy Efficiency – Contributes to the overall energy efficiency of the building - Refer A3
	J4D6	Energy Efficiency – Walls – Contributes to the overall energy efficiency of the building - Refer A3		
State or territory variation(s):	Not Applicable		Not Applicable	

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 (R2016) and cannot be considered a non-combustible product.
2. BCA requires certain external walls, common walls or internal load bearing walls and/or ancillary elements of some Class 2 to 9 buildings to be non-combustible. In the absence of site-specific performance solution, this product or system is not suitable for use in these applications where a non-combustible product is required. Note, this product can be used as internal and external walls in class 1 & 10 buildings.
3. The 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 referenced in A3 of this Certificate of Conformity.
4. Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The minimum fixing requirements are outlined in the Span Tables referenced in A3 of this Certificate of Conformity.
5. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.

Building classification/s:

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

Glen Gugliotti– CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 03/03/2026

Date of expiry: 01/03/2027

6. In all installations the minimum clearance between the underside of panel and the adjoining ground surface level below must comply with the specifications in Part 7.5.7 of ABCB Housing Provisions.
7. The Group numbers have been determined in accordance with testing conducted to AS ISO 9705 and assessment against AS 5637.1: 2015 as either Group 2 or Group 1 depending on the thickness and construction detail, refer A3.
8. When used as internal wall and ceiling linings, this product as a Group 1 or Group 2 fire rated product, must comply with the group number specified in Table S7C4 of Specification 7 of the BCA Volume 1, 2022. Refer A3.
9. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.
10. 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.

Only criteria as identified within this Certificate of Conformity can be used for CodeMark certification claims. Where other claims are made in a client's Installation Manual, Website or other documents that are outside the criteria on this Certificate of Conformity, such criteria cannot be used or claimed to meet the requirements of this CodeMark certification.

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.

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, CMI Certification Pty Ltd (CMI) 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 SL Grade with fire retardant)
Width (cover mm)	1200, 900 (non-standard)
Thickness	50, 75, 100, 125, 150, 200 & 250
Length	Up to 16m
External Material	COLORBOND® Steel 0.6mm, 0.7mm G300
Internal Material	COLORBOND® Steel 0.6mm, 0.7mm 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 in accordance with AS/NZS 1170.0, AS/NZS 1170.1, AS/NZS 1170.2, AS 4055 & AS 4040.1.

Document Name	Version
EQUITILT® SPAN TABLES FOR WIND REGION A – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade SL 0.6mm (Internal) and 0.7mm (External) Steel Skins	4
EQUITILT® SPAN TABLES FOR WIND REGION B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade SL 0.6mm (Internal) and 0.7mm (External) Steel Skins	4
EQUITILT® SPAN TABLES FOR WIND REGION A – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS WITH SINGLE MUSHROOM) EPS Core Grade SL 0.6mm (Internal) and 0.7mm (External) Steel Skins	3
EQUITILT® SPAN TABLES FOR WIND REGION B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS WITH SINGLE MUSHROOM) EPS Core Grade SL 0.6mm (Internal) and 0.7mm (External) Steel Skins.	3

Source: *Bligh Tanner Pty Ltd; Reference Number: 2017.0493; Dated 06/03/2023.*

Material Group Numbers

Group Numbers have been determined in accordance with testing conducted to ISO 9705 and assessment against AS 5637.1:2015. Construction requirements for Group 1 and Group 2 are shown below, please refer Metecno® for more information.

Group 1: Panel thickness up to 250mm

- Wall to Floor intersection: aluminium internal and external angles with silicone sealant, fixed with rivets at maximum 300mm centres. Silicone sealant applied at the internal panel joints.
- Wall to Wall and Wall to Ceiling intersections: steel angles fixed with steel rivets or screws at maximum 300mm centres. Ceiling panel joints require steel stitching rivets at minimum 1200mm centres. Silicone sealant applied at the internal panel joints.

Smoke Growth Rate Index $SMOGRA_{RC}$ 2.4m²/s²

Source: *Ignis Labs Report IGNL-7072-99-03 Issue 01 Revision 00[2023] dated 09/05/2023 & CSIRO Report CMIT-(C)-2004-089 dated March 2004.*

Material Group Numbers

Group 2:

Panel thickness up to 150mm

- Wall to Floor intersection: aluminium internal and external angles with silicone sealant, fixed with rivets at maximum 300mm centres. Silicone sealant applied at the internal panel joints.
- Wall to Wall and Wall to Ceiling intersections: aluminium angles fixed with aluminium rivets or screws at maximum 300mm centres. Silicone sealant applied at the internal panel joints.

Panel thicker than 150mm up to 250mm

- Wall to Floor intersection: aluminium internal and external angles with silicone sealant, fixed with rivets at maximum 300mm centres. Silicone sealant applied at the internal panel joints.
- Wall to Wall and Wall to Ceiling intersections: steel angles fixed with steel rivets or screws at maximum 300mm centres. Silicone sealant applied at the internal panel joints.

Smoke Growth Rate Index $SMOGRA_{RC}$ 12.0 m^2/s^2

Source: *Ignis Labs Report IGNL-7072-99-03 Issue 01 Revision 00[2023] dated 09/05/2023 & CSIRO Report CMIT-(C)-2004-089 dated March 2004.*

Energy Efficiency

Equiltilt EPS-FR core Grade SL

				Wall Total R-value (m^2.K/W) at		
Thickness (mm)	$\lambda_{declared}$ at 23°C (W/m.K)	$R_{declared}$ at 15°C(m^2.K/W)	$R_{declared}$ at 23°C(m^2.K/W)	6°C	15°C	30°C
50	0.042	1.25	1.20	1.45	1.41	1.34
75	0.042	1.85	1.80	2.10	2.04	1.94
100	0.042	2.45	2.40	2.74	2.66	2.53
125	0.042	3.10	3.00	3.38	3.28	3.13
150	0.042	3.70	3.60	4.03	3.91	3.72
200	0.042	4.95	4.85	5.31	5.16	4.91
250	0.042	6.20	6.05	6.60	6.41	6.09

Notes:

- Declared R-values are Product R-values and exclude air film resistances.
- Total R-values include default air film resistances for the applications.
- The results are compliant with AS/NZS 4859 Parts 1&2:2018, Thermal insulation materials for buildings.
- The requirements of Part 13.2.5(5) of the ABCB Housing Provision and Volume One J3D6(1) do not apply to walls constructed using insulated sandwich panels.

Source: *James Fricker Report No. i265e updated 03/09/2023.*

A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact the Certificate Holder for details.

A5 Installation requirements

Installation is outside the scope of the certification and requires project specific engineering advice. The minimum fixing requirements are outlined in A3 of this Certificate of Conformity.

A6 Other relevant technical data

Acoustic Performance

50mm Equitilt® panel achieved R_W 25, C -3 & C_{tr} -4
100mm Equitilt® panel with 0.6/0.7mm steel faces achieved R_W 25, C -3 & C_{tr} -5
100mm Equitilt® panel with 0.6/0.6mm steel faces achieved R_W 24, C -2 & C_{tr} -4
250mm Equitilt® panel achieved R_W 25, C -3 & C_{tr} -4

Source: *CSIRO Report No. TL484 dated March 2008.*

Fire Hazard Properties

AS/NZS 1530.3-1999 (R2016) Indices

Ignitability Index	0	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Index	2-3	Range 0-10

Source: *AWTA Fire Test Report 7-563460-CQ Testing to AS/NZS 1530.3:1999 Dated 25/11/2008.*

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions – A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
2. Structural Provisions – A5G3(1)(e). Reports from a professional engineer.
3. Thermal Provisions – A5G3(1)(e). Reports from a professional engineer.
4. Weatherproofing Provisions – A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. Bligh Tanner Pty Ltd; Reference No. 2017.0493; Certification of Equitilt® Panel Span Tables; Dated 06/03/2023. Report outlines compliance of the Equitilt® panel with the requirements of B1P1(1),(2)(a),(b)&(c), H1P1(1),(2)(a),(b),(c)&(3), F3D5(1)(c) & H6D2(1)(b)(i).
2. Ignis Labs; Evaluation No. IGNL-7072-99-03 Issue 01 Revision 00[2023]; IGNIL Advisory Note – BONDOR Panels ISO Testing; Dated 09/05/2023. Evaluation confirms compliance with C2D11(1)(b)&(i).
3. CSIRO; Report No. CMIT-(C)-2004-089; Assessment of the performance of sandwich panels; Dated March 2004. Report provides Group Numbers and has compliance validated for C2D11(1)(b)&(i).
4. James M Fricker; Report No. i265e; Declared R (thermally bridged) thermal performance calculations to AS/NZS 4859 Parts 1 & 2:2018; Updated 03/09/2023. Report provides thermal performance values in accordance with the requirements J4D6 & H6D2(1)(b)(i).

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