



Certificate of Conformity

Certificate number: CM40203

Certification Body:


ABN: 80 111 217 568
JAS-ANZ Accreditation
No. Z4450210AK
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Certificate Holder:

Metecno Pty Ltd
ABN: 44 096 402 934
121 Ingram Road,
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THIS TO CERTIFY THAT
LuxeWall® Wall Panel

Type and/or use of product:

Architectural steel faced insulated wall panel.

Description of product:

An insulated ESP-FR fire-retardant wall panel with a core, sandwiched between rolled steel panels.

- Standard wall thicknesses of 50mm & 75mm.
- Standard minimum length of 1200mm to a maximum length of 6500mm.
- Corner Modules are a minimum length of 1200mm and a maximum length of 3100mm.

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

BCA 2016

	Volume One	Volume Two
Performance Requirement(s)	Not Applicable to product	P2.1.1 Structural Stability and Resistance (a), (b) i, ii, iii, iv & xv, (c) – as applicable to external walls ¹ P2.2.1 Rainwater Management – as applicable to external walls. P2.2.2 Weatherproofing- as applicable to external walls. P2.3.1 Spread of Fire P2.3.4 Buildings in Bushfire Areas ² P2.6.1 Building Fabric
Deemed-to-Satisfy Provision(s)	Not Applicable to product	Not Applicable to product
State or territory variation(s)	Not Applicable to product	SA P2.3.1 (a)(ii) and (iii) TAS P2.3.4 VIC P2.6.1 NT 2.6 and NSW 2.6

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. The LuxeWall® Wall Panel is for use up to and including N4 wind Regions (where Wind classification is up to Vsit,500=61m/s).
2. Suitable for Bushfire Areas up to BAL40 when constructed according to the details CHG Group Test Report.

Building classification/s:

Class 1 and 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.


John Thorpe - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 23/03/2017

Date of expiry: 23/03/2020





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APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page one

A2 Description of product

As per page one

A3 Product specification

Core	EPS-FR SL or M Grade with ANTDOT protection
Width (cover mm)	900, 1200
Thickness (mm)	50, 75
Length	Standard minimum length of 1200mm to a maximum length of 6500mm
Exterior Facing Skin	0.6mm G300 COLORBOND® Steel
Interior Facing Skin	0.6mm G300 COLORBOND® Steel
Finishes	Smooth, VJ (100mm)

Product	LuxeWall® Only	LuxeWall® & Wall Cavity*	LuxeWall® & Wall Cavity, R1.5 Batts
LuxeWall® Standard 50mm	R1.23	R1.62	R3.12
LuxeWall® Standard 75mm	R1.84	R2.23	R3.73

A4 Manufacturer and manufacturing plant(s)

Metecno Pty Ltd
121 Ingram Road
Acacia Ridge Qld 4110
Ph: +61 7 3323 8552

A5 Installation requirements

1. Must be installed in accordance with the Luxewall® Install Guide March 2017.
2. The LuxeWall® Wall Panel is secured vertically to framing via horizontal steel Top Hat Battens.
3. It is the builder's responsibility to ensure that the reveal is sized correctly to suit LuxeWall® Wall Panel and the intended application.
4. Fixings between Top Hat Battens and LuxeWall® Wall Panel are to be M6 RoofZips 25mm screws @ 300mm centres. These are to be fastened into the reverse side of the LuxeWall® Wall Panel through the Batten.



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A6 Other relevant technical data

Total R Value (m²K/W) based on NCC2016 Spec J1.5 Wall Construction

Panel Thickness (mm)	50	75
EPS Grade	SL	SL
Outdoor air film	0.04	0.04
LuxeWall® at 23°C	1.23	1.84
Cavity & airspace (90mm stud + 25mm airspace non-reflective and unventilated = 115mm)	0.17	0.17
Plasterboard, gypsum (10mm, 880 kg/m ³)	0.06	0.06
Indoor air film	0.12	0.12
Total	1.62	2.23

Fire Hazard Properties

AS1530.3 indices

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2.3

Finishes

- Dulux® AcraTex® 951 Coventry Coarse / 955 AcraShield: for Bondor LuxeWall® Panel.
- Prefinished/Prepainted steel for exterior/interior building applications compliant to AS/NZS 2728:2013.



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APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural provision 1.2.2 (a) (i) & (iii) Reports from NATA test Laboratory and certificates from Professional Engineers.
2. Weatherproofing -1.2.2 (a) (i) & (iii) Reports from NATA test Laboratory and certificates from Professional Engineers.
3. Fire assessment - 1.2.2 (a) (i) & (iii) Evidence of suitability Reports from NATA test Laboratories, certificates from Professional Engineers

B2 Reports

1. Summermore Pty Ltd Generic Structural Design Certification report # (16-10803) dated 03/06/2016. Report conformity to:
 - AS/NZS 1170.0:2002 Structural design action General principles, structural design.
 - AS/NZS 1170.1:2002 Permanent, imposed and other actions.
 - AS/NZS 1170.2:2012 Structural design actions - Wind actions.
 - AS 4055:1992 Wind loads for housing.
2. Bligh Tanner and Associates BCA compliance report 2007.231.3 dated 27/11/2012. Relevant Performance Requirement structural stability, Rain water management, weather proofing & spread of fire.
3. CHG Group Report on BAL fire rating Compliance Building Practitioner Board Registration No. BS-U 1012. Report relating to the suitability of the product to be used in designated bushfire prone areas that have a BAL 40 or less.
4. VIPAC (NATA 676) Weatherability Testing Report number 30B-12-0101-TRP-304640-0 Dated 15/12/2012. Testing to AS/NZS 4284:2008 Testing of building facades conforms structural and weatherability claims.
5. James Cook University (NATA 14937) - Cyclone Testing Station Report Summary TS849 Dated 06/17/2012. Testing to AS/NZS 1170.2:2011. Structural design actions - Wind actions. Testing of building facades conforms structural and weatherability