

Certificate number: CM40203

Certification Body:


 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
 ABN: 44 096 402 934
 121 Ingram Road,
 Acacia Ridge Qld 4110
 Ph: +61 7 3323 8555
www.bondor.com.au

THIS IS TO CERTIFY THAT

LuxeWall®

Type and/or use of product:

Architectural steel faced insulated wall panel system.

Description of product:

LuxeWall® is an architectural steel faced wall cladding, insulated with an EPS-FR SL class core and conceal fixed in a vertical orientation to metal or timber stud wall framing. Refer A2 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	Structural Stability and Resistance to actions – as applicable to external walls Weatherproofing	P2.1.1(a),(b)(i), (ii)&(iii) P2.2.2	Structural Stability and Resistance to actions – as applicable to external walls Weatherproofing
Deemed-to-Satisfy Provision(s):	C1.10(a)(ix) J1.5	Fire hazard properties - Spread-of- Flame Index 0, Smoke- Developed Index 3 Energy Efficiency – External walls. Can be used in conjunction with other building elements to achieve a Total R Value. Refer to A3	3.12.1.4(b) 3.12.1.6(a)	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, Qld, Tas, ACT)	

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

- This product has not been tested to AS 1530.1-1994 and cannot be considered a non-combustible product.
- In the absence of site specific engineering advice, Luxewall panels can be used in external situations in non-cyclonic areas only.
- The LuxeWall® wall panels are limited to the use in Type C Construction in Class 2 to 9 buildings when being used as external walls.
- LuxeWall® 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.
- The LuxeWall® wall panels are for application in Australian wind regions A, B, C & D to AS/NZS 1170.2:2011(R2016) for Vol One and 'N' and 'C' wind classes to AS 4055:2012 for Vol 2.

Building classification/s:

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


 Richard Donarski - CMI


 Don Grehan – Unrestricted Building Certifier

Date of issue: 30/04/2020

Date of expiry: 30/04/2023



Certificate of Conformity

6. 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. Refer A3 below.
7. Construction methods for external walls required to be fire resisting in relation to class 1 and 10 buildings and structures must comply with part 3.7.2.4 of the NCC Volume 2.
8. A pliable building membrane complying with AS/NZS 4200.1 - 2017 must be installed in accordance with AS/NZS4200.2-2017 to separate the wall cladding panels from any water sensitive materials.
9. No assessment has been undertaken on the product for Part F6 of Vol 1 or Part 3.8.7 of Vol 2 of the 2019 BCA for Condensation management.
10. In order to achieve compliance with weatherproofing in accordance with FV1 and V2.1.1, all windows must comply with AS 2047:2014.
11. The minimum clearance from the bottom of the wall cladding panels to the adjoining finished ground level must not be less than 100mm.
12. Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The Certificate Holder has made available the [BON0421 LuxeWall Install Guide v29 – 29/04/2020](#).
13. It is the responsibility of the architectural designer and engineering parties to ensure that the details in this Design and Installation Guide are appropriate for the intended application.
14. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
15. 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. 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
Width (cover mm)	900, 1200
Thickness (mm)	50, 75
Length (m)	Up to 6.5
External Material	0.6mm G300 COLORBOND® Steel
Internal Material	0.6mm G300 COLORBOND® Steel with HygienePlus®

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
LuxeWall® SPAN TABLES FOR WIND REGION A & B – NON-CYCLONIC (EXTERNAL WALL APPLICATIONS ONLY) EPS Core Grade SL 0.6mm steel skins	1
LuxeWall® Wall Span Table for Housing Application – 50mm Panel EPS Core Grade SL 0.6mm Steel Skins	1
LuxeWall® Wall Span Table for Housing Application – 75mm Panel EPS Core Grade SL 0.6mm Steel Skins	1

Fire Hazard Properties

AS/NZS 1530.3-1999 Indices

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

Thermal & Energy Efficiency

EPS Thermal Performance

LuxeWall® Systems with Horizontal Tophats, Vapour Permeable Sarking & Plasterboard (steel framing)	Insulation path Total R, m ² K/W		Overall Total R, m ² K/W	
	Summer	Winter	Summer	Winter
	50mm R1.23 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm non-reflective air space and steel studs at 600mm centres (10mm plasterboard)	R1.7	R1.9	R1.7
75mm R1.84 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm non-reflective air space and steel studs at 600mm centres (10mm plasterboard)	R2.3	R2.5	R2.3	R2.5
50mm R1.23 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm R1.50 glasswool insulation and steel studs at 600mm centres (10mm plasterboard)	R3.0	R3.2	R2.8	R3.0
75mm R1.84 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm R1.50 glasswool insulation and steel studs at 600mm centres (10mm plasterboard)	R3.6	R3.9	R3.4	R3.6
50mm R1.23 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 90mm R2.00 glasswool insulation and steel studs at 600mm centres (10mm plasterboard)	R3.5	R3.8	R3.1	R3.4
75mm R1.84 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 90mm R2.00 glasswool insulation and steel studs at 600mm centres (10mm plasterboard)	R4.1	R4.4	R3.8	R4.1

LuxeWall® Systems with Horizontal Tophats, Vapour Permeable Sarking & Plasterboard (pine framing)	Insulation path Total R, m ² K/W		Overall Total R, m ² K/W	
	Summer	Winter	Summer	Winter
	50mm R1.23 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm non-reflective air space and pine studs at 600mm centres (10mm plasterboard)	R1.7	R1.9	R1.8
75mm R1.84 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm non-reflective air space and pine studs at 600mm centres (10mm plasterboard)	R2.3	R2.5	R2.4	R2.5
50mm R1.23 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm R1.50 glasswool insulation and pine studs at 600mm centres (10mm plasterboard)	R3.0	R3.2	R2.9	R3.1
75mm R1.84 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 70mm R1.50 glasswool insulation and pine studs at 600mm centres (10mm plasterboard)	R3.6	R3.9	R3.5	R3.7
50mm R1.23 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 90mm R2.00 glasswool insulation and pine studs at 600mm centres (10mm plasterboard)	R3.5	R3.8	R3.3	R3.6
75mm R1.84 LuxeWall® Standard system with horizontal tophats, vapour permeable Sarking, 90mm R2.00 glasswool insulation and pine studs at 600mm centres (10mm plasterboard)	R4.1	R4.4	R3.9	R4.2

- Notes:**
- The above shows determinations based upon AS/NZS 4859 Parts 1&2:2018, Thermal insulation materials for buildings. "Overall" results show reportable Total R after thermal bridging calculations.
 - Total Transmittance (U) can be calculated by $U=1/R$

A4 Manufacturer and manufacturing plant(s)

Metecno Pty Ltd
103 Ingram Road,
Acacia Ridge Qld 4110.

A5 Installation requirements

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 and the Certificate Holder has made available the [BON0421 LuxeWall Install Guide v29 29/04/2020](#).

It is the builder's responsibility to ensure that the reveal is sized correctly to suit LuxeWall® Wall Panel and the intended application.

A6 Other relevant technical data

Acoustic Properties:

Depending on construction, LuxeWall® EPS Core may achieve an R_w 35 – 40. Contact Certificate Holder for construction details.

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

B2 Reports

1. AWTA Product Testing; NATA Accreditation No. 1356; Fire testing to AS/NZS 1530.3-1999, Fire Indices; Dated 28/10/2008.
2. Bligh Tanner Pty Ltd; Reference No. 2017.0493; Certification of LuxeWall Span Tables; Dated 11/09/2018.
3. Ian Bennie And Associates; Accreditation No. 2371; Report No. 2019-020-56; NCC-2019 Verification Methods FV1 & V2.1.1 in accordance with AS/NZS 4284:2008; Dated 10/10/2019.
4. James M Fricker Pty Ltd; Report i265lx; Thermal Calculation of LuxeWall Wall Panels on steel studs; Dated 24/04/2020.
5. James M Fricker Pty Ltd; Report i265lx; Thermal Calculation of LuxeWall Wall Panels on pine timber studs; Dated 24/04/2020.

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