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Certificate number: CM40112 Rev2

THIS IS TO CERTIFY THAT

RMAX ThermaWall™ Direct Fix or Batten Cavity Fix (EIFS) Cladding System

Type and/or use of product:

The RMAX ThermaWall™ Direct Fix or Batten Cavity Fix (EIFS) Cladding Systems are certified for use as External Insulation Finishing Systems (EIFS) in Class 1 and 10 buildings. Either system can be applied to steel or timber frames.

Description of product:

The RMAX ThermaWall™ Direct Fix or Batten Cavity Fix (EIFS) Cladding System Panels are made from Isolite® closed cell Expanded Polystyrene (EPS) bead material and proprietary components. Refer A3.

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

BCA 2019

	Volume One
Performance Requirement(s):	Not applicable
Deemed-to-Satisfy Provision(s):	Not applicable
State or territory variation(s):	Not applicable

	Volume Two
P2.1.1(a)&(b)(iii)	Structural for External Wall Cladding
P2.2.2	Weatherproofing for External Wall Cladding
P2.7.5	Bushfire Areas for External Wall Cladding - Contributes to satisfying the NCC Performance Requirements for the construction of buildings in bushfire prone areas up to BAL A-29
3.12.1.4(b)	Energy Efficiency for External Walls - Can be used in conjunction with other building elements to achieve a Total R-Value
P2.7.5 (Tas); 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 may be used in the formulation of a site-specific performance solution for construction in bushfire prone areas up to BAL – 29 where a minimum 4.8mm thick RMAX Render System is applied on external face of external walls.
- In order to assess the suitability of the system for projects greater than 10m in height, a qualified wind engineer must calculate site wind pressures in accordance with the current version of AS/NZS 1170.2:2011.
- In order to achieve compliance with weatherproofing in accordance with FV1 and V2.1.1, all installed windows must comply with AS 2047:2014.
- It is a requirement that the installation shall be made correctly by a skilled and experienced installer in accordance with all current installation recommendations as per the RMAX Direct Fix EIFS Cladding Product Range Technical Data And Installation Manual, Version 1, June 2019 and RMAX Batten Cavity EIFS Cladding

Building classification/s:

Class 1 & 10


 John Thorpe - CMI


 Don Grehan – Unrestricted Building Certifier

Date of issue: 05/08/2019

Date of expiry: 17/07/2020



Certificate of Conformity

Product Range Technical Data And Installation Manual, Version 1, June 2019, including but not limited to, frame and fastener details, installation and fixing details and installation guidelines.

5. 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.

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

RMAX ThermaWall™ Direct Fix EIFS Cladding System Components

- 2500mm x 1200mm RMAX, 75mm or 100mm thick grooved EPS cladding panels, M grade (18g/L) density.
- RMAX Ground floor EIFS aluminium starter channel assembly Option A (Design and innovation patent pending).
- RMAX OB Plus Render and mesh.
- RMAX OB Primer.
- 10G CSK head Coarse Ribbed Class 4 needle point fasteners for timber framing, or 10G -16TPI Tek® Class 4 for steel framing.
- RMAX Orange Board washers.
- Bituminous Aluminium flashing tape.
- Aluminium / PVC corner angles.
- Approved Polyurethane construction foam adhesive.
- Fire Sound Fire Rated Sealant.
- Selleys Liquid Nails Fast-grab construction adhesive or Selleys Liquid Nails Instant Hold construction adhesive only.

RMAX ThermaWall™ Batten Cavity EIFS Cladding System Components

- 2500mm x 1200mm RMAX, 75mm or 100mm thick grooved EPS cladding panels, M grade (18g/L) density.
- RMAX EPS cavity battens (28g/L) 1250mm x 40mm x (10-25mm) thickness
- DuPont Tyvek breathable home wrap. (sarking)
- RMAX Ground floor EIFS aluminium starter channel assembly Option A (Design and innovation patent pending).
- RMAX OB Plus Render and mesh.
- RMAX OB Primer.
- 10G CSK head Coarse Ribbed Class 4 needle point fasteners for timber framing, or 10G -16TPI Tek® Class 4 for steel framing.
- RMAX Orange Board washers.
- Bituminous Aluminium flashing tape.
- Aluminium / PVC corner angles.
- Approved Polyurethane construction foam adhesive.
- Fire Sound Fire Rated Sealant.
- Selleys Liquid Nails Fast-grab construction adhesive or Selleys Liquid Nails Instant Hold construction adhesive only.

A3 Product specification

Structure

Wind Regions	Non-Cyclonic (A & B)				
Wind category	N1	N2	N3	N 4	N5
Panel Thickness (mm)	75, 100				
Max. Stud Spacing (mm)	600		450		
Fastener Spacing (mm)	300			200	

Source: Acronem Consulting; Report No: ACA – 190611; RMAX OB EIFS Direct Fix Cladding System Appraisal for Structural Weatherproofing, Bushfire and Thermal compliance; Dated 14/06/2019.

Bushfire

Testing has been conducted in accordance with AS 1530.8.1:2007 and achieved a BAL-A29 rating. For details of the tested specimen, contact the Certificate Holder.

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Thermal

RMAX ThermaWall™ Direct Fix EIFS Cladding System Total R Value		
Standard Cladding Panel Thickness (mm)	Total R Value Summer (m²K/W)	Total R Value Winter (m²K/W)
75	2.48	2.61
100	3.17	3.32

RMAX ThermaWall™ Batten Cavity EIFS Cladding System Total R Value		
Standard Cladding Panel Thickness (mm)	Total R Value Summer (m²K/W)	Total R Value Winter (m²K/W)
75	2.67	2.81
100	3.36	3.53

Source: James M Fricker; Report i336a; Thermal calculations in accordance with AS/NZS 4859:2018; Dated 18/04/2019.

A4 Manufacturer and manufacturing plant(s)

RMAX (VIC) 2 - 4 Mephan Street, Maribyrnong VIC 3032.	RMAX (WA) 5 Baldwin Street, Kewdale WA 6105	RMAX (NSW) 27 Chifley Street, Smithfield NSW 2164
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A5 Installation requirements

- The RMAX ThermaWall™ Direct Fix or Batten Cavity Fix (EIFS) Cladding System must be installed in accordance with the respective RMAX Technical Data and Installation Manuals:
 - [RMAX Direct Fix EIFS Cladding Product Range Technical Data And Installation Manual, Version 1, June 2019](#); and
 - [RMAX Batten Cavity EIFS Cladding Product Range Technical Data And Installation Manual, Version 1, June 2019](#).
- In cyclonic wind regions, panel joints must incorporate a double stud. Shared studs must only be used if project specific engineering approval is provided.
- Fasteners must be offset 20mm from stud edge.

A6 Other relevant technical data

Fire Hazard Properties

75mm RMAX Isolite EPS Rigid Insulation Panel - 'M' Grade.

AS/NZS 1530.3-1999 Indices

Ignitability Index	7
Spread of Flame Index	0
Heat Evolved Index	1
Smoke Index	4

RMAX Isolite EPS Batten – X28 Grade, used in the Batten Cavity EIFS Cladding System.

AS/NZS 1530.3-1999 Indices

Ignitability Index	6
Spread of Flame Index	0
Heat Evolved Index	2
Smoke Index	5

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural Provisions – A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and 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 Provision – A5.2(1)(d). Reports from Accredited Testing Laboratories.

B2 Reports

1. Acronem Consulting; Report No: ACA – 190603; RMAX OB Batten Cavity EIFS Cladding System Appraisal; Dated 14/06/2019.
2. Acronem Consulting; Report No: ACA – 190611; RMAX OB Direct Fix EIFS Cladding System Appraisal; Dated 14/06/2019.
3. Exova Warringtonfire; NATA Accreditation No. 3277; Assessment Report No. 47899700.2; Compliance to Bushfire Prone Areas provision; Dated 30/04/2017.
4. Ian Bennie; NATA Accreditation No. 2371; Report No. 2015-108-S1; Weatherproofing Test In accordance with AS/NZS 4284:2008 to full BCA verification methods for the Batten Cavity System; Dated 10/03/2016.
5. Ian Bennie; NATA Accreditation No. 2371; Report No. 2018-080-S4; Weatherproofing Test In accordance with AS/NZS 4284:2008 to full BCA verification methods for the Direct Fix System; Dated 11/02/2016.
6. James M Fricker; Report i336a; Thermal calculations in accordance with AS/NZS 4859:2018; Dated 18/04/2019.
7. Petrovic Engineering; Job Number 17-05-02-R1; X28 grade EPS batten cavity system; Dated 27/02/2017.
8. Petrovic Engineering; Doc No: 17-13-01; Report verifying 10m Height; Dated 20/03/2017.

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