Certificate of Conformity

Certification Body:

CertMark International
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JAS-ANZ Accreditation No. Z4450210AK
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Certificate Holder:

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Certificate number: CM40039 Rev1

THIS TO CERTIFY THAT

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

Type and/or use of product:

The RMAX Orange Board™ 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 Orange Board™ Direct Fix or Batten Cavity Fix (EIFS) Cladding System consists of panels made from Isolite® closed cell orange Expanded Polystyrene (EPS) bead material (density grade M).

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

BCA 2016

	Volume One (Amdt. 1	Volume Two	
Performance Requirement(s)	Not applicable	P2.1.1(a) & (b)(i)(ii)(iii)	Structural for External Wall Cladding
		P2.2.2	Weatherproofing for External Wall Cladding
		P2.3.4	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.
		P2.6.1	Energy Efficiency for External Walls - Can be used in conjunction with other building elements to achieve a Total R-Value
Deemed-to-Satisfy Provision(s):	Not applicable	Not applicable	
State or territory variation(s):	Not applicable	P2.3.4 TAS P2.6.1 Vic, NSW, NT	

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 may be used in the formulation of a site specific performance solution for construction in bushfire prone areas up to BAL – 29.

Building classification/s:

1 and 10

John Thorpe - CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 21/12/2018

Date of expiry: 17/07/2020

ABCB

JAS-ANZ

2. Wind load resistance is dependent on panel thickness, stud spacing and fastener spacing. Please see RMAX Technical Data and Installation Manuals, 08 -17 Batten Cavity Fix Version 4_0 Codemark and 08 - 17 Direct Fix version 4_0 Codemark for performance ratings.
3. Suitable for Type C construction only.
4. Minimum BMT of steel frames must be 1.0mm.
5. The RMAX Orange Board™ Direct Fix or Batten Cavity Fix (EIFS) Cladding System must be installed with breathable sarking installed behind the EPS.
6. Is only suitable for applications up to a maximum of BAL – 29 when constructed using 75mm and 100mm thick board on both direct fix or batten cavity fix applications, with minimum 4.8mm thick RMAX Orange Board™ Plus Render System on external face of external walls, 90mm x 45mm timber frame and 10mm thick plasterboard on internal face. Only valid when rendered side, faces fire front.
7. 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.
8. 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.

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

The panels are supplied together with RMAX Orange Board™ Plus Render, mesh, screws and washers forming the RMAX Orange Board™ Direct Fix or Batten Cavity Fix (EIFS) System. Panels are fixed to the structural frame using 10g Class 3 or 4 screws and 40mm diameter washers either direct to the frame (direct fix) or through EPS battens to create a cavity (batten cavity fix). The panel thicknesses covered by this certification are 60mm, 75mm and 100mm.

A3 Product specification

Overall thermal performance of a wall system will vary with panel thickness. Refer RMAX Technical Data and Installation Manuals, 08 -17 Batten Cavity Fix Version 4_0 Codemark and 08 - 17 Direct Fix version 4_0 CodeMark for suitable constructions and climate zone information.

Panel Thickness	Surface Mass (Unrendered)	Sheet weight (Unrendered)
60mm	1.14kg/m^2	3.4kg
75mm	1.43kg/m^2	4.3kg
100mm	1.90kg/m^2	5.7kg

Total R Value of RMAX Orange Board™ Direct Fix (EIFS) EPS Cladding Wall System			Total R Value of RMAX Orange Board™ Batten Cavity Fix (EIFS) EPS Cladding Wall System		
Standard Cladding Panel Thickness (mm)	Total R Value Summer (m^{2}K/W)	Total R Value Winter (m^{2}K/W)	Standard Cladding Panel Thickness (mm)	Total R Value Summer (m^{2}K/W)	Total R Value Winter (m^{2}K/W)
60	1.93	2.04	60	2.09	2.21
75	2.32	2.44	75	2.48	2.61
100	2.96	3.12	100	3.13	3.29

Total R Value of RMAX Orange Board™ Direct Fix (EIFS) EPS Cladding Wall System, Including Reflective Sarking			Total R Value of RMAX Orange Board™ Batten Cavity Fix (EIFS) EPS Cladding Wall System, Including Reflective Sarking		
Standard Cladding Panel Thickness (mm)	Total R Value Summer (m^{2}K/W)	Total R Value Winter (m^{2}K/W)	Standard Cladding Panel Thickness (mm)	Total R Value Summer (m^{2}K/W)	Total R Value Winter (m^{2}K/W)
60	2.41	2.51	60	2.57	2.68
75	2.79	2.92	75	2.95	3.09
100	3.43	3.59	100	3.59	3.75

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

A5 Installation requirements

1. The RMAX Orange Board™ Direct Fix or Batten Cavity Fix (EIFS) Cladding System must be installed in accordance with the respective RMAX Technical Data and Installation Manuals, 08 -17 Batten Cavity Fix Version 4_0 Codemark and 08 - 17 Direct Fix version 4_0 Codemark.
2. In cyclonic wind regions, panel joints must incorporate a double stud. Shared studs must only be used if project specific engineering approval is provided.
3. Fixing screws must be 25mm longer than the panel thickness for timber frame construction and 15mm longer than the panel thickness for steel frames.
4. Fasteners must be offset 20mm from stud edge.

A6 Other relevant technical data

Wind Regions	**Non-Cyclonic (A & B)**						**Cyclonic (C & D)**			
Wind category	N1	N2	N3	N 4	N5	N6	C1	C2	C3	C4
Panel Thickness (mm)	60mm, 75mm, 100mm						75mm, 100mm			
Stud Spacing (mm)	300mm, 450mm, 600mm				300mm, 450mm		300mm			
Fastener Spacing (mm)	300mm (150mm at perimeter of wall)	300mm (150mm at perimeter of wall)	300mm (150mm at perimeter of wall)	300mm (150mm at perimeter of wall)	300mm (150mm at perimeter of wall)	200mm (150mm at perimeter of wall)	200mm (150mm at perimeter of wall)	200mm (150mm at perimeter of wall)	200mm (150mm at perimeter of wall)	200mm (150mm at perimeter of wall)
Number of Fasteners/m²	12	12	12	12	12	18	18	18	18	18

RMAX Orange Board™ Direct Fix Cladding Product Range Weighted Sound Reduction Index (Rw) Performance			**RMAX Orange Board™ Batten Cavity Fix Cladding Product Range Weighted Sound Reduction Index (Rw) Performance**		
Panel Thickness	**Construction**	**Rw**	**Panel Thickness**	**Construction**	**Rw**
75mm	75mm Panel only + Frame + Sarking	12dB	75mm	75mm Panel only + 25mm Batten + Frame + Sarking	12dB
75mm	75mm Panel + 8mm thick Render + Sarking + Frame + 10mm thick Plaster (Full wall system)	44dB	75mm	75mm Panel + 25mm Batten + 8mm thick render + Sarking + Frame + 10mm thick Plaster (Full wall system)	44dB

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

- Testing and assessment of the RMAX Orange Board™;
- Assessing a quality plan for the RMAX Orange Board™ that conforms to ISO 10005:2018 and the CodeMark Australia Scheme Rules Version 2016.1;
- By reviewing testing of samples supplied to ascertain whether or not the product meets the performance requirements specified on this certificate; and
- Conducting site audits of the factory to verify compliance of the RMAX Orange Board™.

B2 Reports

1. Vipac Engineers & Scientists; NATA #676; Doc No: 30B-12-0118-TRP-309625-1; Wall Cladding Structural Testing; Dated 15/05/2013.
2. Ian Benney; NATA #2371; Report No. 2015-108-S1; Weatherproofing Test In accordance with AS/NZS 4284:2008 Testing of building facades; Dated 11/02/2016.
3. Exova Warringtonfire; NATA #3277; Assessment Report No. 47899700.2; Testing Report against AS 1530.8.1- 2007 Compliance to Bushfire Prone Areas provision; Dated 30/04/2017.
4. Petrovic Engineering; Report Number 16-37; Expert opinion based on Vipac and Ian Bennie reports listed above to validate structural compliance; Dated 27/02/2017.
5. AWTA; NATA # 1356; Report Number 7-593576-MV; Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus in accordance with ASTM C518-2010; Dated 17/09/2013.

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