

Certification Body:



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Certificate Holder:



Prestige Wall Systems
Pty Ltd
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Certificate number: CM40090 Rev2

THIS IS TO CERTIFY THAT

RendeX® External Cladding System

Type and/or use of product:

RendeX® External Cladding System is non-structural external cladding system. RendeX® External Cladding System provides a rendered weatherproof building cladding system.

Description of product:

RendeX® External Cladding System consists of Grade M expanded polystyrene, factory-coated or applicator-coated on one or two sides with polymer modified render and alkaline resistant fibreglass mesh, mechanically secured to the exterior wall frame.

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

BCA 2019

	Volume One	Volume Two
Performance Requirement(s):	BP1.1(a), Structural reliability (b)(i),(ii) &(iii)	P2.1.1(a), Structural stability and resistance (b)(i),(ii) &(iii)
	FP1.4 Weatherproofing	P2.2.2 Weatherproofing
Deemed-to-Satisfy Provision(s):	G5.2 Buildings in Bushfire Areas - Contributes to the construction of buildings in bushfire prone areas up to BAL A-29	3.10.5.0 Buildings in Bushfire Areas - Contributes to the construction of buildings in bushfire prone areas up to BAL A-29
State or territory variation(s):	G5.2 (NSW) (G5.1 Application of part Qld, NSW)	3.10.5.0 (NSW, Qld)

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

Limitations and conditions:

- For Compliance with BAL A-29, the construction is limited to the tested specimen as set out in A3.
- In order to maintain compliance with BAL, it is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959-2009.
- In the absence of a site-specific performance solution, this system is not suitable for use in or on Class 2 to 9 of Type A & B construction, where the NCC requires buildings and/or Ancillary Elements to be non-combustible.
- Structural clauses are limited to the 75mm thick RendeX® Panel System.
- The applications are limited to external walls where the net wind pressure does not exceed 2.01 kPa, the net general wind suction does not exceed 1.72 kPa and local net wind suction does not exceed 3.01 kPa; calculated using AS/NZS 1170.2:2011 or AS 4055-2012. This includes AS 4055-2012 Wind Classifications N1, N2, N3, N4 and C1 (and excludes AS 4055-2012 Wind Classifications N5, N6, C2, C3 and C4).

Building classification/s:

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


John Thorpe - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 27/08/2019

Date of expiry: 14/03/2020



Certificate of Conformity

6. Product installation shall be carried out by a competent carpenter or other tradesman under the direction of a Builder, both of whom are conversant with the method of product installation and have access to all relevant technical information on product installation.
7. Product selection, and incorporation into the building design, shall be made by a person who is conversant with the application and technical aspects of the product, and has ready access to the relevant technical information related to the product use.
8. 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

RendeX® panels are available as 1.2 m x 2.4 m sheets in the following thicknesses:

- 40mm coated two sides.
- 50mm coated on one side.
- 75mm and 100mm coated on either one or two sides.
- 75mm and 100mm raw EPS for applicator coated applications.

75 mm and 100 mm panels are also available in 2.7 m and 3.0 m lengths.

A3 Product specification

Structure

Structural Performance to wind ratings N1, N2, N3 N4 and C1. The numbers of fasteners required for the system, to comply with the strength requirements of the various wind regions:

Wind Class	EPS Thickness (mm)	Required number of standard fixing per m ² of panel	
		Further than 1.2m from corners	Within 1.2m from corners
N1	40, 50, 75, 100	6	10
N2	40, 50, 75, 100	6	10
N3	40, 75, 100	6	10
N4	75, 100	7	12
C1	75, 100	7	12

Fixing

Maximum Fixing Spacing (other than along the edge of a panel):

- 6 fixings per m², equates to maximum fixings spacing of: 370mm on framing spaced at 450mm c/c and 280mm on framing spaced at 600mm c/c.
- 7 fixings per m², equates to maximum fixings spacing of: 320mm on framing spaced at 450mm c/c and 240mm on framing spaced at 600mm c/c.
- 12 fixings per m², equates to maximum fixings spacing of: 185mm on framing spaced at 450mm c/c and 140mm on framing spaced at 600mm c/c.
- 14 fixings per m², equates to maximum fixings spacing of: 160mm on framing spaced at 450mm c/c and 120mm on framing spaced at 600mm c/c.

Pressures are determined in accordance with AS 4055-2012.

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Each standard fixing consists of a 48mm diameter flexible polypropylene washer, fixed to the supports through the EPS panel by one Class 3 screw complying with the following specification.

Screws shall be:

- Self drilling, counter-sunk ribbed head, coarse threaded;
- At least 10 gauge (4.8mm) for Wind Classification N1, N2, 3, N4 and C1;
- Of length at least 25mm longer than the thickness of the EPS board plus the batten (cavity width);
- At least Class 3 further than 1 km from breaking surf;
- At least Class 4 further than 100m (and less than 1km) from breaking surf and fully embedded.
- Grade 304 or 316 stainless steel for applications within 100m of breaking surf;
- Fixed through 48mm diameter polypropylene washers.
- In accordance with the specified number of standard fixings per m² of panel, as per the table;
- Not less than 20mm or more than 150mm from the edge or end of a panel;
- No more than 600mm apart.

Washers shall be 48mm diameter flexible polypropylene, capable of being pulled flush with the surface of the EPS panel without rupture (RendeX Washers (Product code: MA-40mmPW) Material: PP Virgin Material).

Bushfire

The RendeX® External Cladding System achieved a Bushfire Attack Level of up to BAL A-29 when tested AS 1530.8.1-2007. The tested wall system consisted of two 90×45 timber stud frames, the central frame offset 310mm back incorporating an 800mm × 800mm aluminium framed window and eaves detail. The unexposed side was faced with 10mm Gyprock plasterboard while the exposed side had a nominally 16.4mm iClad Render system applied over 75mm thick RendeX® Panel System. Contact the Certificate Holder for further details.

A4 Manufacturer and manufacturing plant(s)

Prestige Wall Systems
24 Humphries Terrace
Kilkenny SA 5009.

A5 Installation requirements

Product installation shall be carried out in accordance with the [RendeX® External Cladding System Technical Manual v1.2019](#). The installed RendeX® panels must be rendered within two weeks of construction and must not be rendered when wet e.g. from dew, rain or frost.

A6 Other relevant technical data

No other relevant data.

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. Weatherproofing Provision – A5.2(1)(d). Reports from Accredited Testing Laboratories.

B2 Reports

1. Quasar Management Services; Report No. Q12091201-4; Report on the performance compliance for structural clauses to AS/NZS 1170.2:2011 and AS 4055-2012; Dated 01/03/2013.
2. Ian Bennie and Associates; NATA Accreditation No. 2371; Test Report No. 2011-057-S2; Testing to AS 4040.2:1992 and AS 4040.3:1992; Dated 13/08/2011.
3. Ian Bennie and Associates; NATA Accreditation No. 2371; Test Report No. 2019-051-S1; Weatherproof testing to AS/NZS 4284:2008 and NCC-2016 FV1 and V2.2.1; Dated 30/05/2019.
4. Exova Warringtonfire; NATA Accreditation No. 3277; Test Report No. 27983000.1; Test report to AS 1530.8.1-2007 confirms compliance for Bushfire prone areas up to BAL: A-29; Dated 05/03/2014.

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