

Certificate number: CM40139

**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](http://www.CertMark.org)

**Certificate Holder:**

**Focal Point**  
 ARCHITECTURAL MOULDINGS  
  
 6A Howards Road  
 Beverly, SA 5009  
 Ph: +61 8 8244 7322  
[www.focalpointmouldings.com.au](http://www.focalpointmouldings.com.au)

**THIS IS TO CERTIFY THAT**

**The RendaPanel™ System**

**Type and/or use of product:**

External wall system up to three stories.

**Description of product:**

The RendaPanel™ System is an integrated complete façade system for external walls. The system comprises 60mm, 75mm & 100mm expanded polystyrene panels which are finished with a Dulux® Acra-Tex® approved high build acrylic weatherproof texture coating finishing system.

**COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) BCA 2019 (Amdt. 1)**

	Volume One	Volume Two
<b>Performance Requirement(s):</b>	Not Applicable	P2.1.1(a),(b)(iii) Structural stability and resistance – limited to wind action in N1 to N5 regions only. P2.2.2 Weatherproofing – Subject to <i>Limitation and Condition 2</i> .
<b>Deemed-to-Satisfy Provision(s):</b>	Not Applicable	3.12.1.4 Energy Efficiency – External Walls. Must be used in conjunction with other building elements to achieve a Total R Value.
<b>State or territory variation(s):</b>	Not Applicable	Part 3.12 (NSW, NT, SA, 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:**

- Construction shall be in strict accordance with the [Focal Point RendaPanel Cladding System Information & Technical Specification Manual \(V7.2 J2021\)](#). All system components are specified and only supplied by RendaPanel. No substitution of any component part of the RendaPanel System is permissible.
- To satisfy P2.2.2 via verification, the relevant design is required to meet the criteria of V2.2.1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
  - (a)(i) has a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table FV1.1/V2.2.1a; and
  - (a)(ii) is not subjected to an ultimate limit state wind pressure or more than 2.5kPa; and
  - (a)(iii) includes only windows that comply with AS 2047
 Compliance with Weatherproofing is limited to the tested specimen detailed in A3 and the installation of the coating system in A5, deviations from this specimen, is subject to site specific design and approval by the regulatory authority.
- Thermal resistance as calculated on the RendaPanel as installed in accordance with the aforementioned manual.

**Building classification/s:**

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

  
 Richard Donarski - CMI

  
 Don Grehan – Unrestricted Building Certifier

**Date of issue:** 09/11/2021

**Date of expiry:** 09/11/2024



# Certificate of Conformity

4. This product has not been tested to AS 1530.1-1994 and cannot be considered a non-combustible product.
5. 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. A pliable building membrane complying with AS/NZS 4200.1:2017 must be installed in accordance with AS/NZS 4200.2:2017 to separate the wall cladding panels from any water sensitive materials.
6. In all installations, the minimum clearance between the underside of panel and the adjoining surface level below must comply with the specifications in Part 3.5.4.7 of Volume 2 of the NCC.
7. The RendaPanel™ System is not suitable for use in cyclonic regions and has not been tested and certified for impact loading from windborne debris in Region C and D as denoted in AS 1170.2:2011. The building designer should take into consideration internal pressure resulting from dominant openings.
8. RendaPanel™ System must be fixed to a structurally adequate external wall frame in accordance with the appropriate span tables in section A5 and the structural support members are designed and engineered separately as per project requirements by building designers and engineers.
9. 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](http://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.

**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

RendaPanel™ is multilayer, lightweight composite ‘masonry’ building panel. Designed to be used in both residential applications. It may be installed to timber or metal framework with conventional fixings. RendaPanel™ is finished with a Dulux Acra-Tex® approved high build acrylic weatherproof texture coating finishing system.

### A3 Product specification

**RendaPanel™ Performance – Smart Rate Assessment\* as a total walling system from plasterboard to coating.**  
**R Value Performance:**

<b>Exsulite Thermal Façade Cavity System</b>				
Panel Thickness	Cavity Spacer	Wall Insulation	R Value with Insulation	R Value No Insulation
60mm	15mm	R2.0	3.945	2.105
75mm	25mm	R2.0	4.337	2.497
100mm	25mm	R2.0	4.990	3.130

The above calculations presented are in accordance with the principles outlined in the Building Code of Australia (2016) Amendment 1. RendaPanel R-Values are calculated on M Grade EPS to AS 1366.3-1992 with a conductivity value of 0.0383 W/m<sup>2</sup>K.

### Weatherproofing:

Compliance with P2.2.2 requires the installation of the Dulux Acra-Tex render system as outlined in A5. Testing was conducted in accordance with the Verification Method V2.2.1 ‘Weatherproofing’ test procedure as contained within National Construction Code of Australia.

#### Results

Test Type	Criteria	Result
Structural Test	100% Serviceability Limit State Pressure of +820 Pa and –1230 Pa for 1 minute for both positive and negative directions.	Pass
Static Water Penetration	300Pa for 15 minutes	Pass
Cyclic Water Penetration	245-490 Pa for 5 minutes	Pass

**Source:** Ian Bennie & Associates Pty Ltd, Test Report Number: 2020-001-S1 20/04/2020.

### Design Ultimate Wind Pressures:

A professional engineer is to be involved to determine wind pressures based on a buildings geographic location in accordance with AS 4055-2012 for residential housing or wind pressures determined from AS/NZS 1170.2:2011.

Design ultimate wind pressures must account for such factors as site wind speed, direction, terrain, height, shielding and topography. These project specific considerations should be conducted and approved by a professional engineer at design stage prior to job commencement to ensure that the final system design is fit for purpose specific to the project and is designed to Australian Standards AS 4055-2012 or AS/NZS 1170.2:2011 for wind loading requirements. The wind load will determine the system specifications.



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## A4 Manufacturer and manufacturing plant(s)

Focal Point Architectural Mouldings  
6A Howards Road,  
Beverly, South Australia 5009  
Australia.

## A5 Installation requirements

1. Only to be installed in accordance with the [Focal Point RendaPanel™ Cladding System - Information & Technical Specification Manual \(V7.2J2021\)](#).
2. Only to be installed by a suitably licenced tradesperson.
3. Thermal resistance as calculated in the [Focal Point RendaPanel™ Cladding System - Information & Technical Specification Manual \(V7.2J2021\)](#). Suitable licenced tradesperson must ensure that any other insulating component required for the building envelope is installed in accordance with the manufacturer's instructions. Thermal Insulation has to be installed in accordance with AS/NZS 4859.1:2002 – Materials for the thermal insulation of buildings – General criteria and technical provisions.

<b>Framework</b>	<i>RendaPanel</i> sheets can be fixed to either timber or steel framing. All frames should comply with the relevant code and/or Australian Standard for the type of construction. Studs should be positioned at a maximum of 600mm centers with noggins at maximum of 1350mm centers. Frames must be straight and plumb, and be laterally restrained, via floor or roof framing.
<b>Installation</b>	<i>RendaPanel</i> sheets are orientated horizontally and are fixed at 250mm centers on stud lines. Focal Point mechanical disc fasteners are to be used at all times. Fixings should be started at 20mm from the bottom of the first sheet at ground level. The sheets are arranged in a brick stretcher bond and are available in width size of 1200mm. Typically 5 fixings are used per stud line.
<b>Fixings</b>	Timber or Steel countersunk (class 3) self-drilling screws are used in conjunction with the blue Focal Point mechanical disc fastener. The assembled fixing is pushed through the panel until the stud is felt, making sure that the assembled screw is aligned directly in the middle of the stud.
<b>Coating</b>	A 3-5 mm base coat render is then applied to the entire wall area in two separate skim coats. Fibres can be added to the first coat only to increase impact resistance. The finished render should be level and provide the ideal substrate for the texture coating. In all cases, irrespective of the Texture system specified, all texture coating systems are applied in accordance with the Manufacturer's recommendations. The system must be applied by accredited and skilled tradespersons. It is recommended that the texture system be top coated with a suitable exterior paint.

## Fixings

**Table one – For Wind Classification to AS 4055-2012 Minimum Panel Thickness and Fixings - Wall Areas (Over 1200mm away from corners)**

Wind Classification (AS 4055-2012)	Stud Centres 450mm			Stud Centres 600mm		
	Min. Panel Thickness	Fixings Per Stud	Fixings Spacings	Min. Panel Thickness	Fixings Per Stud	Fixings Spacings
N2	60mm	5	275mm	60mm	5	275mm
N3	60mm	5	275mm	60mm	5	275mm
N4	60mm	5	275mm	75mm	5	275mm

**Table two – For wind Classification to AS 4055-2012 Minimum Panel Thickness and Fixings - Wall Areas located within 1200mm from corners**

Wind Classification (AS 4055-2012)	Stud Centres 450mm			Stud Centres 600mm		
	Min. Panel Thickness	Fixings Per Stud	Fixings Spacings	Min. Panel Thickness	Fixings Per Stud	Fixings Spacings
N2	60mm	5	275mm	60mm	5	275mm
N3	60mm	5	275mm	75mm	6	220mm
N4	60mm	7	180mm	100mm	8	150mm

**Table three – AS/NZS 1170.2:2011 – Wind Pressure Criteria Design for Buildings that fall outside AS 4055-2012 – Maximum fixing spacings to satisfy design ultimate wind pressures (kPa)**

Design Ultimate Wind Pressure AS/NZS 1170.2:2011	Stud Centres 450mm			Stud Centres 600mm		
	Min. Panel Thickness	Fixings Per Stud	Fixings Spacings	Min. Panel Thickness	Fixings Per Stud	Fixings Spacings
1.0	60mm	5	275mm	60mm	5	275mm
1.5	60mm	5	275mm	60mm	5	275mm
2.0	60mm	5	275mm	60mm	6	220mm
2.5	60mm	6	220mm	75mm	8	150mm
3.0	60mm	7	180mm	75mm	9	130mm
3.5	60mm	8	150mm	100mm	10	120mm
4.0	75mm	9	130mm	100mm	11	110mm
4.5	75mm	10	120mm			
5.0	75mm	11	110mm			
5.5	75mm	11	110mm			

## A6 Other relevant technical data

No other relevant technical data.

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

1. Structural Provisions A5.2(1)(e). Reports from a professional engineer.
2. Energy Efficiency Provisions A5.2(1)(e). Reports from a professional engineer.
3. Weatherproofing Provision A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

### B2 Reports

1. Dean Iuliano & Co Consulting Engineers; Technical Opinion No. VAR1600; Suitable for external walls for buildings up to three storeys; Dated 01/07/2021.
2. Ian Bennie and Associates; NATA Accreditation No. 2371; Test Report No. 2020-001-S1; Cavity Fixed tests to NCC 2019 Verification Methods FV1.1 and V2.2.1; Dated 20/04/2020.
3. University of Adelaide; *RendaPanel* ultimate pressure capacity; Tested in accordance with AS/NZS 1170.2- 2002; Reference No. C060403; Dated 27/05/2008.

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