



# Certificate of Conformity

Certificate number: CM40222 Rev3

THIS IS TO CERTIFY THAT

## Scyon™ Axon™ Cladding

Certification Body:

**CertMark**  
International  
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)

Type and/or use of product:

Intended as external cladding on residential and commercial facades.

Description of product:

Fibre-cement cladding with vertical shiplap joint.

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

BCA 2019

	Volume One	Volume Two
<b>Performance Requirement(s):</b>	BP1.1(b)(i) & (iii) Structural reliability – Permanent and wind actions	P2.1.1(b)(i) & (iii) Structural reliability – Permanent and wind actions
	FP1.4 Weatherproofing - External walls	P2.2.2 Weatherproofing – External
<b>Deemed-to-Satisfy Provision(s):</b>	C1.9(e)(iv) Non-combustible materials	3.5.4.3(a) Wall cladding boards – Fibre cement
	G5.2 Construction in bushfire prone areas (BAL Low-40)	3.5.4.4(a)(i) Sheet wall cladding
		3.5.4.5(a) Eaves and soffit linings
		3.10.5.0 Construction in bushfire prone areas (BAL Low-40)
<b>State or territory variation(s):</b>	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:

- Scyon™ Axon™ Cladding must only be installed in accordance with the [Scyon™ Axon™ Cladding Installation guide Australia May 2019](#).
- The project designer or specifier must ensure the product is appropriate for the intended application and that additional detailing is performed for specific designs or applications that fall outside the scope of the manual and/or certification. It is the responsibility of the builder to ensure the product meets aesthetic requirements prior to installation.
- 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.

Building classification/s:

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

John Thorpe - CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 13/06/2019

Date of expiry: 20/08/2021





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**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.

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

Scyon™ Axon™ External Cladding panels are used as an external wall cladding in alterations and additions and residential single and medium density dwellings where a uniform, broadwall cladding is required. Ideal for full wrap or composite construction design on either timber or steel framed homes.

### A2 Description of product

Scyon™ Axon™ panels are pre-primed with vertical grooves. There is a ship lap edge joint along the two long edges and square edges along the short edges. The grooves are nominally 2mm deep and 10mm wide. Sheet weighs approximately 12kg/m<sup>2</sup> in equilibrium.

### Specifications

Product	Length (mm)	Width (mm)	Thickness (mm)	Mass (kg)	Sheets per pack	Product Code
Scyon™ Axon™ cladding 133 Smooth	2450	1200	9	36	30	403931
	2750	1200	9	40	30	403932
	3000	1200	9	44	30	403933
	3600	1200	9	30	30	404979
Scyon™ Axon™ cladding 133 Grained	2450	1200	9	36	30	404510
	2750	1200	9	40	30	404511
	3000	1200	9	44	30	404512
Scyon™ Axon™ cladding 400 Smooth	2450	1200	9	36	30	404417
	2750	1200	9	40	30	404418
	3000	1200	9	44	30	404419

Note: All dimensions and masses are approximate and subject to manufacturing tolerances.

### A3 Product specification

#### Material

The basic composition is Portland cement, ground sand, cellulose fibre and water. James Hardie building products are manufactured to Australian/New Zealand Standard AS/NZS 2908.2:2000 'Cellulose-cement products-Flat sheet.' Scyon™ Axon™ External cladding panels are classified Type A, Category 3 in accordance with AS/NZS 2908.2:2000.

#### Resistance to fire

Scyon™ Axon™ External cladding panels are suitable where non-combustible materials are required in accordance with C1.9(e)(iv) of the Building Code of Australia.

Physical Property	Saturated Condition	Equilibrium Condition 23°C – 50% RH	Standard
Minimum Bending Strength	>7.0 Mpa		AS/NZS 2908.2:2000
Category	3		
Type	A		
Average Density in kg/m <sup>3</sup> (Oven Dry)	1180		ISO 8336:2009
Watertightness	Watertightness Passes AS/NZS 2908.2:2000	Passes	AS/NZS 2908.2:2000
Dimensional Conformance		Passes	ISO 8336:2009
Heat-Rain Durability			
Warm Water Resistance		Passes	AS/NZS 2908.2:2000
Freeze-Thaw Resistance			
Soak-Dry			
Combustibility	Suitable where non-combustible materials are required in accordance with C1.9(e)(iv) of the BCA		Deemed to comply with BCA

#### A4 Manufacturer and manufacturing plant(s)

James Hardie Australia  
Cobalt Street,  
Carole Park Qld 4300  
Australia.

#### A5 Installation requirements

Scyon™ Axon™ Cladding Panels must only to be installed in accordance with the [Scyon™ Axon™ Cladding Installation guide Australia May 2019](#).

A suitable weather barrier must be installed behind Scyon™ Axon™ cladding in accordance with the relevant requirements of the BCA and the AS/NZS 4200.2:2017 Pliable building membranes and underlays – Installation. James Hardie recommends HardieWrap™ Weather Barrier – refer to the building designer, certifier, or other relevant expert, for suitability.

#### A6 Other relevant technical data

##### Thermal

Scyon™ Axon™ External cladding panels will contribute to the overall thermal performance of the building; however, it is the responsibility of the building designer to ensure the minimum thermal requirements for the building envelope is achieved.

##### Scyon™ Axon™ Fire

Testing has been conducted by CSIRO on the James Hardie Cladding materials in accordance with AS/NZS 3837:1998 and are classified as conforming to Group 1 material. (Average Specific Extinction Area 10.4m<sup>2</sup>/Kg).

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

1. Structural Provision A5.2(1)(e). Reports from a professional engineer.
2. Fire Safety Provision A5.2(1)(e). Reports from a professional engineer.
3. Weatherproofing Provision A5.2(1)(d). Reports from Accredited Testing Laboratories.

### B2 Reports

1. David Beneke Consulting; Report 2019-12-LO-05; Structural compliance BCA Vol 1; Dated 17/08/2018.
2. David Beneke Consulting; Report 2019-12-LO-09; Structural compliance BCA Vol 2; Dated 04/09/2018.
3. Cardno (NSW/ACT) Pty Ltd; Report 605726-LO-14-2; Certification of Scyon™ Axon™ fastener and span tables; Dated 22/09/2016.
4. Ignis solutions; Evaluation No. IGNS-6090-01 Issue 01 Revision 00[2018]; Bushfire compliance BAL low to 40; Dated 31/03/2018.
5. James Hardie Research Pty Ltd; NATA Accreditation No. 14220; Compliance Certificate Scyon™ Axon™ Cladding; Product complies with AS 2908.2:2000 Products Part 2: Flat Sheets; Dated July 2015.

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