Certificate of Conformity

Certification Body:

CMI CERTIFICATION
ABN: 81 663 250 815
JASANZ Accreditation No. Z4450210AK
PO Box 273,
Palmwoods Qld 4555
Australia
P: +61 7 5445 2199
www.cmicert.com.au
office@cmicert.com.au

Certificate Holder:

James Hardie Australia Pty Ltd
ABN: 12 084 635 558
10 Colquhoun St,
Rosehill, NSW 2142
Australia
P: 13 11 03
www.jameshardie.com.au

Certificate number: CM40225 Rev1

THIS IS TO CERTIFY THAT

Linea™ Weatherboard

Type and/or use of product:

External cladding for residential and commercial facades.

Description of product:

Lightweight fibre-reinforced cement sheeting wall system. Refer A2 below for further information.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2)**

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(2)(a)&(c)	Structural reliability – Permanent and wind actions	H1P1(2)(a)&(c)	Structural reliability – Permanent and wind actions
	F3P1	Weatherproofing - External walls subject to Limitation and Condition No. 2.	H2P2	Weatherproofing – External walls subject to Limitation and Condition No. 2.
	G5P1	Construction in bushfire prone areas (BAL Low-40)	H7P5	Construction in bushfire prone areas (BAL Low-40)
Deemed-to-Satisfy Provision(s):	C2D10(6)(d)	Non-combustible building elements – Fibre-reinforced cement sheeting – Panel Only	H1D7(4)(b)	Wall cladding – Fibre cement
			H3D2(1)(d)	Non-combustible building elements – Fibre-reinforced cement sheeting – Panel Only
State or territory variation(s):	G5P1 NSW, QLD, TAS & VIC		H7P5 TAS	

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. Linea™ Weatherboard must be installed in accordance with the Linea™ Weatherboard Installation Guide November 2025.
2. To satisfy F3P1 & H2P2 via verification requires the site specific evaluation of the relevant design against F3V1 and/or H2V1 to the satisfaction of the Appropriate Authority as defined by the NCC:
   (a)(i) has a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table F3V1a/H2V1a; and
   (a)(ii) is not subjected to an ultimate limit state wind pressure of 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, deviations from this specimen, is subject to site specific design and approval by the regulatory authority.

Building classification/s:

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

Glen Gugliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 02/12/2025

Date of expiry: 20/08/2027

3. In all installations the minimum clearance between the underside of panel and the adjoining ground surface level below must comply with the specifications in Part 7.5.7 of the ABCB Housing Provisions.
4. No assessment has been undertaken on the product for Part F8 of Vol 1 or Part 10.8 of the ABCB Housing Provisions 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.
5. Compliance with B1P1(2)(c) & H1P1(2)(c) excludes resistance to impact loading from windborne debris.
6. Linea™ Weatherboard must be fixed to a structurally adequate external wall frame in accordance with the appropriate tables in section A5.
7. Linea™ Weatherboard complies with H1D7(4)(b) as cladding that satisfies the following sections of Part 7.5 of the ABCB Housing Provisions:
    a. 7.5.3(a) for wall cladding boards.
8. The structural certification is limited to the cladding only and does not include the sub-structure. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
9. In order to maintain compliance with BAL Low-40, it is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959-2018.
10. This certificate is limited to the details within this certificate including the above compliance elements, product description, purpose or use.
11. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.
12. 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.

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, CMI Certification Pty Ltd (CMI) 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

Linea™ Weatherboard consists of Portland cement, ground sand, cellulose fibre, water and proprietary additives.

Product	Length (mm)	Width (mm)	Thickness (mm)	End details	Mass kg/m²	Effective Width Cover (mm)	Effective Coverage per Plank (m²)	Product Code
150mm Linea™ Weatherboard	4200*	150	16	T & G	23.2	120	0.50	403930
180mm Linea™ Weatherboard	4200*	180	16	T & G	22.7	150	0.63	403912

Notes:

*Length is 4200mm plus 5mm for the tongue and groove (T & G) making the length 4205mm overall.

1. All dimensions and masses provided are approximate only and subject to manufacturing tolerances.
2. Masses are based on equilibrium moisture content of product.
3. Refer to Linea™ Weatherboard Installation Guide November 2025 for details of the effective cover and lapped thickness of the cladding.

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

Components:

Hardie™ Joint Sealant – General purpose polyurethane exterior grade sealant.

Hardie™ Weather Barrier – Water barrier and vapour permeable membrane compliant to AS/NZS 4200.1:2017.

RAB™ Board – Airtight, weatherproof, vapour permeable and non-combustible rigid 6mm fibre-cement sheeting compliant to AS/NZS 4200.1:2017 & AS/NZS 2908.2:2000.

Hardie™ Edge Trim – Powder coated aluminium architectural slab edge solution.

Linea™ PVC Starter Strip – A perforated PVC starter strip used to set out the bottom edge of Linea™ Weatherboard at the correct angle.

Linea™ Aluminium Universal Window Adaptor – A ready to paint extrusion to be used adjacent to windows to finish the edge of Linea™ Weatherboard.

Hardie™ Corner Flashing – Colorbond® steel used behind cladding at internal and external corners.

Linea™ PVC Box Corner Z Flashing – A PVC flashing for use with Linea™ Weatherboard in conjunction with Hardie™ Axent™ Trim to form external corners.

Hardie™ Axent™ Trim – Material composite trim used for box corners and around windows and doors.

Hardie™ Aluminium Internal Corner Mould – A ready to paint extrusion to be used with Linea™ Weatherboard to create internal corners.

Linea™ Aluminium External Slimline Boxed Corner – A ready to paint extrusion to be used with Linea™ Weatherboard to create external boxed corners.

Linea™ Aluminium Corner Soaker – A ready to paint aluminium external corner soaker for use with 150mm & 180mm wide Linea™ Weatherboard.

Battens – Fibre cement batten used to fix external cladding to steel or timber frame.

Hardie™ Break Thermal Strip – NCC requirement used behind external cladding when fixed directly to steel frame.

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'.

Linea™ Weatherboard is classified Type A, Category 3 in accordance with AS/NZS 2908.2:2000.

Physical Property	Saturated Condition	Equilibrium Condition 23ºC – 50% RH	Standard
Minimum Bending Strength Category Type	>7.0 Mpa 3 A		AS/NZS 2908.2:2000
Average Density in kg/m^3 (Oven Dry)	1285		AS/NZS 2908.2:2000
Watertightness	Watertightness Passes AS/NZS 2908.2:2000	Passes	AS/NZS 2908.2:2000
Dimensional Conformance		Passes	AS/NZS 2908.2:2000
Heat-Rain Durability Warm Water Resistance Freeze-Thaw Resistance	Passes		AS/NZS 2908.2:2000
Combustibility	Suitable where non-combustible materials are required in accordance with C2D10(6)(d) of the BCA		Deemed to comply with BCA

Non-combustible

Linea™ Weatherboard is suitable where non-combustible materials are required in accordance with C2D10(6)(d) and H3D2(1)(d) of the Building Code of Australia as fibre-reinforced cement sheeting that complies with AS/NZS 2908.2:2000. Non-combustible does not extend to include the joiners for the purpose of C2D10.

Weatherproofing

Linea™ Weatherboard – Direct Fix

Testing was conducted in accordance with the Verification Method FV1. Current against 2022 Verification Method F3V1 'Weatherproofing' (Volume 1) and H2V1 'Weatherproofing' (Volume 2) test procedure as contained within Building Code of Australia.

Results

Test Type	Criteria	Result
Structural Test	100% Serviceability Limit State Pressure of 1.515kPa for 1 minute in both positive and negative directions.	Pass
Static Water Penetration	30% Serviceability Limit State Pressure 455Pa for 15 minutes Pass Criteria: No presence of water on the inside surface of the façade.	Pass
Cyclic Water Penetration	Cyclic @ 15-30% SLS – 227 to 455 Pa Duration: 5 minutes Cyclic @ 20-40% SLS – 303 to 606 Pa Duration: 5 minutes Cyclic @ 30-60% SLS – 455 to 910 Pa Duration: 5 minutes Pass Criteria: No presence of water on the inside surface of the facade.	Pass

Source: *Test Report No. TS015-18, Weathertightness – Linea™ Fibre Cement Cladding Direct Fix dated 16 July 2018.*

Weatherproofing

Linea™ Weatherboard – Cavity Fixed

Testing was conducted in accordance with the Verification Method E2/VM1 which has been confirmed to be equivalent to the NCC FV1.1/V2.2.1 test methodology for cavity wall systems and current against 2022 Verification Method F3V1 'Weatherproofing' (Volume 1) and H2V1 'Weatherproofing' (Volume 2) test procedure as contained within Building Code of Australia.

Results

Test Type	Criteria	Result
Structural Test	Serviceability Limit State Pressure of 1.51 kPa for 1 minute in both positive and negative directions	Pass
Series 1 Static Water Penetration	455 Pa for 15 minutes Pass Criteria: No water on building wrap.	Pass
Series 1 Cyclic Water Penetration	Cyclic @ 455 to 910 Pa for 5 minutes Pass Criteria: No water on building wrap.	Pass
Series 2 Water Management Test	455 Pa for 15 minutes Pass Criteria: No water on building wrap.	Pass
Series 2 Water Management Test	Cyclic @ 455 to 910 Pa for 5 minutes Pass Criteria: No water on building wrap	Pass
Series 3 "Wetwall Test"	Static pressure of 50 Pa for 15 minutes Pass Criteria: No water on building wrap.	Pass

Source: Test Report No. TS022-13; Weathertightness (E2-VM1); dated 12/11/2013; and Equivalence report from James Hardie Research Pty Ltd dated 21/10/2022.

Bushfire

An assessment of the Linea™ Weatherboard Lightweight fibre-reinforced cement sheeting wall system has been completed by Ignis Labs Pty Ltd. AS 3959:2018 allows external wall cladding for BAL 12.5 to BAL 40 to be non-combustible material or fibre cement a minimum 9mm in thickness and the total wall system is at least 90mm in thickness. Linea™ Weatherboard satisfies the requirement of fibre cement a minimum 9mm in thickness.

The following list details the various PVC joiners used within the Linea™ Weatherboard wall system. These joiners have been assessed and are considered suitable for use and have the ability to satisfy the requirements of AS 3959:2018 and maintain compliance with BAL – 40 areas.

- 305555 Hardie™ 18mm PVC Cavity Vent Strip 3000mm
- 305570 Linea™ PVC Box Corner Z Flashing 2,700mm long
- 305571 Linea™ PVC Starter Strip 3,000mm long

Source: *Ignis Labs Pty Ltd Report No. IGNL-6249-16-01 I02R05 BBV3.0 JH Bushfire 05102023 dated 05/10/2023.*

A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact the Certificate Holder for details.

A5 Installation requirements

The Linea™ Weatherboard must be installed in accordance with the Linea™ Weatherboard Installation Guide November 2025.

Failure to install, finish or maintain this product in accordance with applicable building codes, regulations, standards and James Hardie's written application instructions may lead to personal injury, affect system performance, violate local building codes, and void James Hardie's product warranty.

A suitable weather barrier must be installed behind Linea™ Weatherboard 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.

Refer to the Linea™ Weatherboard Installation Guide November 2025 for Stud Spacings and fixing requirements.

A6 Other relevant technical data

When installing Linea™ Weatherboards in combination with other CodeMark certified Hardie™ Cladding Products, refer to the Hardie™ Architectural Collection Joints and Junctions Application Guide from James Hardies website. The construction drawings presented on the Application Guide have been reviewed, based on the requirements of NCC 2022 Vol 1 and 2 as described on the 080920230905 – JHR Advisory Note – HAC Opinion Based Upon Tested Prototype Compliance Note V1.1. Compliance to Weatherproofing provision is subject to Limitation and Conditions No. 2 as outlined on this Certificate of Conformity.

Thermal	The Linea™ Weatherboard 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.
Resistance to 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 9.3m^2/Kg).

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Ancillary Provisions A5G3(1)(e). Reports from a professional engineer.
2. Fire Safety Provision A5G3(1)(e). Reports from a professional engineer.
3. Structural Provision A5G3(1)(e). Reports from a professional engineer.
4. Weatherproofing Provision A5G3(1)(d). Reports from Accredited Testing Laboratories.

B2 Reports

1. David Beneke Consulting; Report 2019-12-LO-14; Structural compliance of James Hardie Fibre Cement Cladding Systems; Dated 27/05/2020. Report provide compliance with B1P1(2)(a)&(c) and H1P1(2)(a)&(c).
2. David Beneke Consulting; Report 2024-41-LO-06; Structural compliance for the fixing of James Hardie Fibre Cement Cladding Systems on Cavity battens; Dated 27/05/2024. Report provide compliance with B1P1(2)(a)&(c) and H1P1(2)(a)&(c).
3. Cardno (NSW/ACT) Pty Ltd; Report 605726-LO-13-3; Certification of Linea™ fastener and span tables; Dated 30/09/2016. Report provide supporting evidence in compliance with B1P1(2)(a)&(c) and H1P1(2)(a)&(c).
4. Ignis Labs Pty Ltd Report No. IGNL-6249-16-01 I02R05 BBV3.0 JH Bushfire 05102023; Compliance with AS 3959-2009 BAL Low-40; Dated 05/10/2023. Report confirms the BAL of Linea™ Weatherboard that complies with G5P1 and H7P5.
5. James Hardie Research Pty Ltd; NATA Accreditation No. 14220; Test Report Number TS033-12; Testing in accordance with AS/NZS 2908.2:2000 Products Part 2: Flat Sheets; Dated 10/02/2021. Report confirms the fibre-reinforced cement sheeting complies with AS/NZS 2908.2:2000 and meets the requirements for C2D10(6)(d), H1D7(4)(b) and H3D2(1)(d).
6. James Hardie; NATA Accreditation No. 14220; Report No. TS015-18; Weathertightness in accordance with FV1/V2.2.1; Dated 16/07/2018. Report confirms compliance with F3P1 and H2P2.
7. James Hardie Research Pty Ltd; NATA Accreditation No. 14220; Test Report Number TS022-13; Weathertightness (E2-VM1); Dated 12/11/2013. Report confirms compliance with F3P1 and H2P2.
8. James Hardie Research Pty Ltd; NATA Accreditation No. 14220; Equivalence of NZ E2/VM1 and NCC FV1.1/V2.2.1 test methodologies for Cavity Wall Systems; Dated 21/10/2022. Report confirms compliance with F3P1 and H2P2.

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