

Certificate no: CMNZ30109

Version: F

Original issue date: 20/08/2019

Version date: 24/04/2026

Renewal Date: 01/09/2028

1. Certificate Holder Details



James Hardie New Zealand Limited

Trading as James Hardie

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2. Product Certification Body

Global-Mark Pty Ltd

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Complaints: The complaints process for this certificate can be found here:

www.global-mark.co.nz/complaints

Global-Mark Managing Director

Herve Michoux



Product Certificate

Stria™ Smooth and Stria™ Fine texture Claddings by James Hardie

3. Description of Building Method or Product

Stria™ Smooth and Stria™ Fine Texture Claddings are cavity-based fibre cement panel wall cladding systems. They consist of Stria™ Smooth or Stria™ Fine Texture Cladding Panels, which are 14mm profile fibre cement panel, fixed horizontally or vertically over battens to form a cavity. Proprietary ventilated timber battens are used in vertical applications. The cladding is finished with a latex paint system.

4. Intended use of Building Method or Product

The systems are designed to be used as part of an external cladding system on timber framed building

5. New Zealand Building Code Provisions

The Systems if designed, used, installed and maintained in accordance with the conditions of this Certificate will comply with or contribute to compliance with the following performance provisions of the NZ Building Code:

Clause B1 STRUCTURE:	Performance B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (a), (f), (h), (j) & (m)
Clause B2 DURABILITY:	Performance B2.3.1(b) 15 years and B2.3.2(a)
Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE:	Performance C3.5 (contributes to) and C3.7
Clause E2 EXTERNAL MOISTURE:	Performance E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.6 (contributes to) and E2.3.7
Clause F2 HAZARDOUS BUILDING MATERIALS:	Performance F2.3.1

6. Conditions and Limitations of Use

1. Both systems are certified as a cavity external wall claddings in:
 - a. Buildings
 - i. of importance Levels 1 to 4, and
 - ii. within the scope of C/AS1, Subsection 1.1.1, or C/AS2, Subsection 1.1.1, and
 - iii. located in all exposure zones (except microclimates) as defined in NZS 3604:2011 section 4.2, and



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- iv. located anywhere in relation to the relevant boundary, and;
 - b. Timber-framed buildings:
 - i. within the scope limitations of the NZBC Acceptable Solution E2/AS1, subsection 1.1.1, and
 - ii. with a risk score of up to 20, calculated in accordance with the NZBC Acceptable Solution E2/AS1, Table 3.1.3.1, and
 - iii. situated in NZS 3604:2011 Wind Zones up to, and including Extra High, or
 - c. in addition, Stria™ Smooth Claddings, Timber-framed buildings specifically engineering designed (SED):
 - i. up to 25m in height, and
 - ii. with an inter-storey drift of span/180 maximum, and
 - iii. the design ultimate limit state (ULS) differential wind pressure does not exceed 3.2 kPa, and
 - iv. with the stud and batten spacing no more than 600mm centres, and
2. The systems shall be specified, installed, inspected and maintained in accordance with the following sets of documents to the extent that their scope covers that for is applicable to this Certificate:
- a. For the Horizontal applications with timber batten:
 - i. Either
 1. Stria™ Cladding Smooth Horizontal Installation Technical Specification (April 2026), , or
 2. Stria™ Cladding Fine Texture Horizontal Installation Technical Specification (April 2026), as applicable and
 - ii. James Hardie Fire & Acoustic Design Manual (May 2025) section 4:17 Control of External Fire Spread, figures No's. 2 to 11, 14 to 18 and 21 to 26, specifically details JHETGS30h and JHETGS60h.
 - b. For the Vertical Application:
 - i. Either
 1. Stria™ Cladding Smooth Vertical Installation Technical Specification (April 2026), or
 2. Stria™ Cladding Smooth Vertical Installation to Hardy™ 40mm Structural Horizontal Cavity Batten Technical Specification (April 2026), or
 3. Stria™ Cladding Fine Texture Vertical Installation Technical Specification (April 2026), as applicable and
 - ii. James Hardie Fire & Acoustic Design Manual (May 2025) section 4:17 Control of External Fire Spread, figures No's. 2 to 11, 14 to 18 and 21 to 26, specifically details JHETGS30v, JHETGS60v and JHETSS60v.
 - c. James Hardie Fire & Acoustic Design Manual (May 2025) section 4:17 "Control of External Fire Spread", Figure No's 2 to 11, 14 to 18 and 21 to 26, in particular the installation details JHETGS30h, JHETGS30v, JHETGS60h and JHETGS60v. These details have only been assessed and certified with respect to external fire spread via Stria™ Cladding. For walls located within 1.0 m of a relevant boundary, Stria™ Cladding may be used as an external façade/cladding attached to the exterior of fire rated



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wall systems as depicted within the Fire and Acoustic Design Manual (May 2025). Fire Resistance rating performance of the wall assembly falls outside the scope of this certificate.

3. In wind zones greater than Very High a rigid air barrier which complies with Table C.2.1.1 of E2/AS1 shall be used. In buildings exceeding 10 m in height RAB™ Board must be used including horizontal control joints in accordance with the requirements of the Codemark certificate (CMNZ30130) for RAB™ Board.
4. The system must be used:
 - a. with the ancillary components as described in this certificate, and
 - b. with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills which complies with the requirements of NZS 4211:2008 including amendment 1 for the relevant Wind Zone or wind pressure or have a current CodeMark.
5. Stria™ Cladding shall only be installed on vertical surfaces.
6. All exposed faces, including top edges at sills and all bottom edges of Stria™ Cladding panel and fibre cement ancillary components shall be finished with a latex exterior paint system complying with any of Parts 7, 8, 9, or 10 of AS 3730.
7. E2.3.5 and E2.3.6 compliance is limited to cavities created between the internal surface of the panels and the underlay or RAB™ Boards.

7. Health and Safety Information

Standard industry safety practices and manufacturer safety requirements as detailed in the technical literature including the applicable SDS must be observed at all times. Please refer to James Hardie SDS Fibre Cement Products June 2022

8. Basis for Certification

The certification decision is based on independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)

Code Objective Clause	Compliance pathway
B1 STRUCTURE	Informed by NZS3604:2011 and comparison with E2/AS1
B2 DURABILITY	Informed by expert judgement
C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE	Informed by expert judgement and testing to NFPA 285
E2 EXTERNAL MOISTURE	Informed by expert judgement and testing to AS/NZS4284



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F2 HAZARDOUS BUILDING MATERIALS

Informed by expert judgement

9. Supporting Documentation for Certification

Nb	Author	Description	Date and/or Revision
001	GLOBAL-MARK	Codemark Certification (CMNZ30130)HomeRAB™ Pre-Cladding and Version B RAB™ Board by JAMES HARDIE	
002 *	BRANZ	Fire Assessment Report based Cone calorimeter test.	FH3182 21 November 2002
003 *	BRANZ	Fire Assessment Report based Cone calorimeter test.	FH 2976 15 May 2001
004 *	BRANZ	Fire Assessment Report based Cone calorimeter test (BRANZ Project No. FC10254-001).	FSR 4206 Issue2 7 November 2018
005*	BRANZ	Fire technical Opinion: Technical opinion based on NFPA 285 Compliance with NZBC C/AS2, clause 5.8.2 (b) and C/VM2 Part A (a).	FC12172-001 – 1 November 2019
006*	BRANZ	Fire Assessment Report Review of James Hardie Fire and Acoustic Manual	FAR 4620 – 04 November 2016
007*	BRANZ	Fire technical Opinion: Fire resistance of James Hardie Wall Systems with Service Penetrations	FC12040-004 -03 December2019
008*	BRANZ	Technical Assessment “Fire Resistance of External Wall and Soffit” _Various JH Products	FAR 2597- 5th October 2005
009*	BRANZ	E2 Weathertightness Opinion for the Appraisal of Linea Oblique Weatherboard (Vertical) Cavity Cladding	TP2355-02, dated 19 November 2015



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010*	Intertek B&C	JH cavity fix wall assembly fire test as per NFPA 285	J6706.01-121-24 - 20th August 2019
011*	Intertek B&C	JH cavity fix wall assembly fire test as per NFPA 285	J6707.01-121-24 - 21st August 2019
012*	Clarkson Consulting Services	JH NZ_RAB_Weathertightness Assessment_200626_R2.1	August 2022
013*	James Hardie Building Product	Weathertightness Testing of Residential Façade Fibre Cement Cladding System On Cavity Battens to the requirement of Verification Method E2/VM1	TS061-05, dated 15 February 2006
014*	James Hardie Building Product	TESTING OF A TITAN RESIDENTIAL FIBRE CEMENT CLAD FAÇADE FOR COMPLIANCE WITH THE REQUIREMENTS OF AS/NZS 4284:1985 "TESTING OF BUILDING FAÇADES"	TS010-06, dated 14 November 2006
015*	James Hardie Technical Support group	Weathertightness (E2/VM1)	TS003-13, dated 4 December 2013
016*	James Hardie Technical Support group	Weathertightness (E2/VM1)	TS022-13, dated 12 November 2013
017*	James Hardie Technical Support group	Weathertightness (E2/VM1)	TS033-13, dated 8 January 2014
018*	James Hardie Technical Support group	Weathertightness & Façade System (E2/VM1)	TS009-15, dated 14 October 2015
019*	James Hardie Technical Support group	Weathertightness & Façade System (E2/VM1)	TS052-11, dated 16 December 2011
020*	James Hardie New Zealand Limited	Report Number TS021/040-24	17 January 2025
021*	Façade Testing New Zealand Limited,	Testing of James Hardie NZ ExoTec Façade panel top hat rainscreen façade system in accordance with AS/NZS 4284:2008	FT-R1005, dated May 2017



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022*	Façade Lab Ltd	Testing of James Hardie Linea – Weatherboard on RAB Board in accordance with E2/VM2 (BRANZ – EM7)	20-15 dated 10/3/2021
023*	Façade Lab Ltd	Testing of James Hardie Linea Oblique vertical weatherboard on rigid wall underlay to E2/VM2 (BRANZ EM7) using tests from AS/NZS 4284:2008 'Testing of Building Facades'	20-16 dated 11/12/2020
024*	BRANZ	BRANZ Assessment – Face Load Strength of James Hardie Linea Weatherboard Clad Walls and Variations of Sheet thickness and Nail type (reviews STO483)	STO102/SM30/SJT dated 11 November 2002
025*	BRANZ	Durability Opinion on the Linea Weatherboard System	DA 0220 dated 24/09/2017
026*	BRANZ	Face Loading Testing of Low-Density Thick Weatherboard	Report ST483 dated 20 February 2001
027	David Beneke Consulting	Producer Statement – Structural Design Verification of Vertically Fixed, Stria Cladding, As proposed by James Hardie	2024-24-LO-24 dated 07 January 2025
028	David Beneke Consulting	Producer Statement – Structural Design Verification of Vertically Fixed, Stria Cladding, As proposed by James Hardie	2025-04-LO-49 dated 13 February 2026
029	David Beneke Consulting	Producer Statement – Structural Design Verification of Horizontally Fixed, Stria Cladding, As proposed by James Hardie	2024-24-LO-39 dated 16 December 2025
030	James Hardie New Zealand Limited	Stria™ Cladding Smooth Horizontal Installation Timber Cavity Batten Technical Specification	April 2026
031	James Hardie New Zealand Limited	Stria™ Cladding Fine Texture Horizontal Installation Technical Specification	April 2026
032	James Hardie New Zealand Limited	Stria™ Cladding Smooth Vertical Installation Technical Specification	April 2026
033	James Hardie New Zealand Limited	Stria™ Cladding Smooth Vertical Installation to Hardy™ 40mm Structural Horizontal Cavity Batten Technical Specification	April 2026
034	James Hardie New Zealand Limited	Stria™ Cladding Fine Texture Vertical Installation Technical Specification	April 2026



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035	James Hardie New Zealand Limited	James Hardie Fire & Acoustic Design Manual. Section 4:17 Control of External Fire Spread, figures No's to 11, 14 to 18 and 21 to 26, specifically details JHETGS30h, JHETGS30v, JHETGS60h, JHETGS60v, JHETSS60h and JHETSS60vJHETGL30, JHETGL60 and JHETLL60	May 2025
036	James Hardie New Zealand Limited	LQA8N – Safety data sheet – James Hardie Fibre Cement Sheet Products	Version No.: 2.0 ISSUED Date: 22/06/2022

* These documents were provided commercial in confidence and are not publicly available

10. Supporting Information About Description (Optional)

The Stria™ Cladding panels are pre-primed with an acrylic primer on the front face and edges. The Stria™ Cladding panels are 14 mm thick and are available 325 mm or 405 mm wide by 3000mm or 4200 mm long.

They are manufactured from a reduced density cellulose fibre cement formulation. The panels are formed, cut to length and then cured by high-pressure autoclaving. After autoclaving, a profile is machined on the top edge of the front face, and a rebated lap is machined on the bottom of the back face of the panel. The front edge at the bottom of the board and the board ends are finished square. The Stria™ Cladding panels are manufactured to meet the requirements of AS/NZS 2908.2.

James Hardie supplies the following ancillary components:

- For the horizontal, vertical applications with 20 mm cavity and vertical applications with 40 mm cavity
 - Rigid wall underlay – HomeRAB™ Pre-Cladding and RAB™ Board
 - Hardie™ 14 mm Trimline Joint Flashing The joint flashings are available in extruded aluminium in 3000 mm lengths.
 - Trimline Horizontal Jointer - A jointer to cover the butt joint of Hardie™ 14 mm Trimline Joint Flashing in 100 mm
 - Hardie™ 14 mm External Corner jointer - Joins Hardie™ 14 mm Trimline Joint Flashing at an external corner
 - Hardie™ Internal Corner jointer - Joins Hardie™ 14 mm Trimline Joint Flashing at an internal corner
 - Hardie™ 14 mm Internal Corner Flashing - Anodised aluminium extrusion used to create internal corners in 3000 mm lengths
 - Hardie™ 14 mm External Box Corner - Anodised aluminium extrusion used to create external corners in 3000 and 4000 mm lengths.
- For the horizontal applications
 - Hardie™ Vertical Joint Flashing. The joint flashings are available in extruded aluminium in 3000 mm lengths.
 - Hardie™ 14 mm Aluminium Window Jamb Flashing - Aluminium moulding used beside window opening to end butt the Stria Cladding in 3000 mm lengths



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- Cavity vent strip – Hardie™ 28 mm aluminium cavity closure
 - Cavity vent strip – Hardie™ uPVC vent strip, available in 3000 mm lengths
- For the vertical applications with 20 mm cavity
 - Hardie™ 20 mm horizontal cavity battens – 45 x 20 mm thick Radiata pine batten treated to Hazard Class H3.1. The top edge is bevelled with an 18° slope. The back face is grooved with 22 mm wide x 5 mm deep rebates at 50 mm centres, and the front face is grooved with 6 mm wide x 6 mm deep rebates at 150 mm centres. The grooves are offset on each face.
 - Hardie™ 9mm Panel Aluminium External Box Corner- A box corner moulded to form the external joints. 9mm etch primed available in 2700, 3000 and 4000 mm
 - Cavity vent strip – Hardie™ uPVC vent strip, available in 3000 mm lengths
- For the vertical applications with 40 mm cavity
 - Hardie™ 40 mm Structural Horizontal Cavity battens – 45 x 20 mm thick Radiata pine batten treated to Hazard Class H3.1. The top edge is bevelled with an 18° slope. The back face is grooved with 22 mm wide x 5 mm deep rebates at 50 mm centres, and the front face is grooved with 6 mm wide x 6 mm deep rebates at 150 mm centres. The grooves are offset on each face.
 - Hardie™ 9mm Panel Aluminium External Box Corner- A box corner moulded to form the external joints. 9mm etch primed available in 2700, 3000 and 4000 mm

Other components not supplied by James Hardie but meet the following requirements

- For the horizontal, vertical applications with 20 mm cavity and vertical applications with 40 mm cavity
 - Flexible sill, head and jamb flashing tape - flexible flashing tapes complying with NZBC Acceptable Solution E2/AS1, Subsection 4.2.12 for use around window and door joinery openings.
 - Flexible sealant - sealant complying with NZBC Acceptable Solution E2/AS1 for use as a weather sealing sealant for exterior use.
 - Window and door trim cavity air seal - air seals complying with NZBC Acceptable Solution E2/AS1, Subsection 9.1.5 for use around window, door and other wall penetration openings.
 - Exterior Grade filler – CRC® ADOS® builders Fill or similar two part filler to fill over nail holes
 - Penetration seals
 - Joinery head flashings - extruded or folded from aluminium or galvanised steel to suit the window or door trim opening. Refer to NZS 3604, Section 4 and NZBC Acceptable Solution E2/AS1, Table C.1.1.1A for durability requirements.
- For the horizontal and vertical applications with 20 mm cavity
 - Flexible wall underlay – building underlay complying with NZBC Acceptable Solution E2/AS1, Table C.2.1.1, or breather-type membranes for use as wall underlays

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- Flexible wall underlay support – polypropylene strap, 75 mm galvanised mesh, galvanised wire, or additional vertical battens for securing the flexible wall underlay in place and preventing bulging of the bulk insulation into the drainage cavity. (Note: mesh and wire galvanising must comply with AS/NZS 4534.)
 - Cavity batten fixings - 40 x 2.8 mm or longer flat head hot-dip galvanised nails.
 - Stria™ Cladding fixings (with flexible wall underlays) - 65 x 2.87 mm D-head or RounDrive hot-dip galvanised or stainless-steel ring shank nails.
 - Stria™ Cladding fixings (with rigid wall underlays up to 10 mm thick) – 75 x 3.15 mm Hardie™ Flex hot-dip galvanised or stainless-steel nails
 - For horizontal applications
 - Cavity battens - nominal 50 mm wide by 25 mm thick (minimum finished size of 45 mm wide by 18 mm thick) timber treated to Hazard Class H3.1.
 - Timber trim and moulding for use around windows and door. Timber trim and moulding must be finished in accordance with their manufacturer specifications to achieve the required durability
 - Planted sill and scribes - timber treated to Hazard Class H3.1, pre-primed before installation. Window and door trim cavity air seal - air seals complying with NZBC Acceptable Solution E2/AS1, Subsection 9.1.5, or self-expanding, moisture cure polyurethane foam air seals suitable for use around window, door and other wall penetration openings.
 - For vertical applications with 40 mm cavity
 - Cavity batten fixings – 80 mm x 10g screw
 - Cavity batten fixings – 75 x 3.06 mm RounDrive ring shank Galvanized Stainless Steel Nails
 - Stria™ Cladding fixings - 50 x 2.87 mm D-head or RounDrive hot-dip galvanised or stainless-steel ring shank nails.
- Cavity vent strip – 40 mm Vent Strip

Note: Stainless steel fixings must be Grade 304/316 and hot-dip galvanising must comply with AS/NZS 4680.

11. Supporting Information About Intended Use (Optional)

While Stria™ Smooth Cladding Panels can be nail fixed through the face, for aesthetic reasons, the fixing of Stria™ Fine Texture Cladding Panels is limited to concealed nails options,

12. Supporting Information About Conditions and Limitations of Use (Optional)

Stria™ Cladding can be used to provide fire resistance rated construction, but this aspect has not been assessed and is outside the scope of this certificate.

Provisions within the referenced documents related to the use of the system with steel-frame construction are outside the scope of this certification



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If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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