

CERTIFICATE OF CONFORMITY

This product Certificate is issued under Section 269 of the Building Act 2004 for:

James Hardie Linea™ Weatherboard Direct Fixed and Cavity Cladding



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Product Description

- Linea™ Weatherboard is a 16 mm thick bevelback fibre cement weatherboard, which is designed to be used as part of an external wall cladding system for residential and light commercial type buildings where domestic construction techniques are used.
- Linea™ Weatherboard Direct Fixed Cladding consists of Linea™ Weatherboards applied direct to the external wall framing over a flexible underlay. Linea™ Weatherboard Cavity Cladding consists of Linea™ Weatherboards fixed over timber battens to form the cavity. Both cladding methods (referenced as the system) incorporate secondary protection behind all internal and external corners, flashings for window, door and meter box penetrations as well as air seals to all wall penetrations.
- Linea™ Weatherboard cladding is finished with a latex paint system.

Product purpose and use

1.0 Material Cladding for the Direct Fixed Wall Construction Method:

1.1 Linea™ Weatherboard Direct Fixed Cladding has been assessed as an external wall cladding for buildings within the following scope:

- the scope limitations of the New Zealand Building Code (NZBC) Acceptable Solution E2/AS1, Paragraph 1.1; and,
- timber-framed construction complying with the NZBC; and,
- with a risk score of 0-12, calculated in accordance with the NZBC Acceptable Solution E2/AS1, Table 2; and,
- situated in NZS 3604:2011 Wind Zones up to, and including Very High.

2.0 Material Cladding for the Cavity Fix Wall Construction Method:

2.1 Linea™ Weatherboard Cavity Cladding has been assessed as an external wall cladding for buildings within the following scope:

- timber-framed construction complying with the NZBC; or an existing external timber wall structure, where the designer and/or installer has established that it is suitable for the intended building work; and
- with the stud spacing no more than 600mm centered, and
- in all corrosion zones as defined in NZS3604:2011, excluding where adverse macroclimatic conditions apply as set out in Paragraph 4.2.4 NZS3604:2011 and
- Situated:
 - in NZS 3604:2011 Wind Zones up to, and including Extra High for buildings within the scope limitations of the NZBC Acceptable Solution E2/AS1, Paragraph 1.1, with a risk score of up to 20, calculated in accordance with the NZBC Acceptable Solution E2/AS1, Table 2; or,
 - where the design ultimate limit state (ULS) with an inter-storey drift of span/180 maximum differential wind pressure does not exceed 2.5 kPa for specific engineering design (SED) buildings up to 25m in height; and
 - anywhere with respect to a relevant boundary (including within 1m)

3.0 General

- For building less than 1 meter from the relevant boundary or greater than 10m in height, the building must fall within the scope of:
 - Building Risk Group SH or

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Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia Tel: +61 (0)2 9886 0222 www.Global-Mark.com.au	Herve Michoux Managing Director	Date of issue	Last update	Date of next re-certification	Certificate Number

The purpose of construction site audits is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In issuing this certificate, Global-Mark has relied on the independent expert and/or laboratory advise or reports. This certificate is issued by Global-Mark Pty Limited, an independent certification body accredited by the product certification accreditation body (JAS-ANZ) appointed by the Chief Executive of the Ministry of Business Innovation and Employment under the Building Act 2004. The Ministry of Business Innovation and Employment does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry of Business Innovation and Employment disclaims, 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 building method(s) or product(s) referred to in this certificate. This Certificate may only be reproduced in its entirety. It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the Ministry of Business Innovation and Employment website, <http://www.mbie.govt.nz/> New Zealand Building Code (NZBC) references the Building Code in force at the time of issuing the product certificate. Certificate holder will notify Global-Mark Pty Ltd in accordance with Regulation 15 of the Building (Product Certification) Regulations 2008

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- C/AS2 1st edition June 2019
- Joinery used in conjunction with the system must
 - be installed with vertical jambs and horizontal heads and sills; and,
 - meet the requirements of NZS 4211:2008 including amendment 1 for the relevant Wind Zone or design wind pressure or have a current CodeMark.
- The weatherboards must only be installed horizontally on vertical surfaces.

Certificate holder

James Hardie New Zealand Ltd,
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Compliance with the New Zealand Building Code (NZBC):

The system if designed, used, installed and maintained in accordance with the Applicable Technical Specification (defined below), will meet the following provisions of the NZBC:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2, B1.3.4 (b), (c), (d) and (e) for the relevant physical conditions of B1.3.3 (a), (f), (h), (j) and (q). The system meets this requirements.

Clause B2 DURABILITY: Performance B2.3.1(b) 15 years and B2.3.2. The system meets these requirements.

Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: Performance C3.5, C3.7 (b) and (c). The system meets: type A requirement C/AS2 (27 June 2019) table 5.5 when evaluated in accordance with the criterial of 5.8.1 for all buildings in scope for C/AS2, type A requirement C/VM2 Clause 4.5 table 4.1 and table 4.2 for all building in Risk Group SH .

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. The system meets this requirement.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The system meets this requirement and will not present a health hazard to people.

Subject to the following conditions and limitations:

1. Specification, installation, inspection and maintenance in accordance with the following sets of documents collectively referenced as the Applicable Technical Specification:
 - James Hardie Linea™ Weatherboard Direct Fix Technical Specification (May 2020)
 - James Hardie Linea™ Weatherboard Cavity Fix Technical Specification (May 2020)
 - James Hardie Fire & Accoustic Design Manual (December 2019) section 4:16 Control of External Fire Spread, figures No's. 1 to 9 and 12 to 20, specifically details JHETGL30, JHETGL60 and JHETLL60
 - BRANZ Appraisal No 446 (2010) Linea™ Weatherboard Direct Fixed Cladding (amended 01/03/2016)
 - BRANZ Appraisal No 447 (2010) Linea™ Weatherboard Cavity Cladding (amended 01/03/2016)

(Note: Provisions within the documents above related to the use of the system with steel-frame construction are outside the scope of this certification).

2. James Hardie Fire & Acoustic Design Manual (December 2019) section 4:16 "Control of External Fire Spread", Figure No's 1 to 9 and 12 to 20, in particular the installation details JHETGL30, JHETGL60 and JHETLL60. These details have only been assessed and certified with respect to external fire spread via Linea™ Weatherboard. For walls located within 1.0m of a relevant boundary, JH Linea™ Weatherboard may be used as an external façade/cladding attached to the exterior of fire rated wall systems as depicted within the Fire and Acoustic Design Manual (December 2019). Fire rating performance of the wall assembly falls outside the scope of this certificate.

Design Conditions:

1. Product specification and incorporation of the system into a building design shall be carried out by a designer / architect / engineer or a building professional who:
 - Is qualified to design the buildings covered under the 'Scope' of use of this product.
 - Has ready access to the relevant technical specifications

Product Installation Conditions:

1. Installation shall be carried out or supervised by a Licensed Building Practitioner (LBP) holding a Carpentry class license,
2. Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method.

End of the records