

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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<p>Product Description</p> <ol style="list-style-type: none"> 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 building underlay. Linea® Weatherboard Cavity Cladding consists of Linea® Weatherboards fixed over timber battens to form the cavity. Both cladding methods 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.
<p>Product purpose and use</p> <p>1.0 Direct Fixed Construction Method:</p> <p>1.1 Linea® Weatherboard Direct Fixed Cladding has been assessed as an external wall cladding for buildings within the following scope:</p> <ul style="list-style-type: none"> the scope limitations of 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 NZBC Acceptable Solution E2/AS1, Table 2; and, situated in NZS 3604:2011 Wind Zones up to, and including Very High. <p>2.0 Cavity Construction Method:</p> <p>2.1 Linea® Weatherboard Cavity Cladding has been assessed as an external wall cladding for buildings within the following scope:</p> <ul style="list-style-type: none"> the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and, timber-framed construction complying with the NZBC; and, with a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and, situated in NZS 3604:2011 Wind Zones up to, and including Extra High. <p>2.2 Linea® Weatherboard Cavity Cladding has also been assessed for weathertightness and structural wind loading when used as an external horizontally fixed wall cladding solution for buildings within the following scope:</p> <ul style="list-style-type: none"> the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and, constructed with timber framing complying with the NZBC; and, situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5 kPa. <p>3.0 General</p> <p>3.1 Linea® Weatherboard Direct Fixed and Cavity Cladding must only be installed horizontally on vertical surfaces.</p> <p>3.2 Linea® Weatherboard Direct Fixed and Cavity Cladding is certified for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. (This certification of Linea® Weatherboard Direct Fixed and Cavity Cladding relies on the joinery meeting the requirements of NZS 4211:2008 including amendment 1 for the relevant Wind Zone or design wind pressure.)</p> <p>4.0 Exclusions</p> <p>4.1 Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding can be used to provide structural bracing and fire resistance rated construction, but these aspects have not been assessed and are outside scope of this</p>

CodeMark Certification Body		29/9/2010	24/8/2016	29/9/2019	GM-CM30018-RevG
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.

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Certificate.

Certificate holder

James Hardie New Zealand,
PO Box 12 070, Penrose, New Zealand, Tel: 0800 808 868, www.jameshardies.co.nz

Compliance with the New Zealand Building Code (NZBC):

Linea® Weatherboard if designed, used, installed and maintained in accordance with the scope of this Certificate, the statements and conditions of the supporting Appraisals and the Linea® Weatherboard Technical Specification, dated April 2016 including installation details 1 to 65, 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). Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding meet the requirements.

Clause B2 DURABILITY: Performance B2.3.1(b) 15 years and B2.3.2. Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding meet these requirements.

Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: Performance C3.7 (a). Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding contribute to meeting this requirement.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding meet this requirement.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding meet this requirement and will not present a health hazard to people.

Subject to the following conditions and limitations:

1. Certificate holder will notify Global-Mark Pty Ltd in accordance with Regulation 15 of the Building (Product Certification) Regulations 2008
2. Subject to regular inspection for soil movement, earthquake or other structural impact or user damage.
3. Maintaining the validity of and compliance with the BRANZ Appraisal No. 446 (2010) (Amended 01 March 2016) Linea® Weatherboard Direct Fixed Cladding and BRANZ Appraisal No. 447 (2010) (Amended 01 March 2016) Linea® Weatherboard Cavity Cladding.
4. Linea® Weatherboard Cavity Cladding can only be used with the ancillary components as described in BRANZ Appraisal No. 446 (2010) (Amended 01 March 2016) Linea® Weatherboard Direct Fixed Cladding and BRANZ Appraisal No. 447 (2010) (Amended 01 March 2016) Linea® Weatherboard Cavity Cladding, where these components are substituted with alternative products, these applications fall outside the scope of this Certification.

Design Conditions:

1. Product specification and incorporation of the Linea® Weatherboard claddings into the 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, NZBC, Standards, details and other information related to the cladding method, including the current version of the James Hardie Technical Specification for Linea® Weatherboard as noted within this Certificate.
2. Only joinery compliant with the requirements of NZS 4211:2008 including amendment 1 for the relevant Wind Zone or wind pressure shall be used with Linea® Oblique Weatherboard Cavity Cladding. The use of joinery not meeting this requirement fall outside the scope of this certificate.

Product Installation Conditions:

1. Installation shall be carried out by a Licensed Building Practitioner (LBP) holding a Carpentry class license, or tradespersons with experience in bevelback weatherboard external wall cladding installation who are supervised by a LBP holding a Carpentry class license.
2. Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the current version of the James Hardie Technical Specification for Linea® Weatherboard (dated April 2016), and the relevant BRANZ Appraisal.

End of the records