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

Product Description

1. 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.
2. 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.
3. Linea® Weatherboard cladding is finished with a latex paint system.

Product purpose and use

1.0 Direct Fixed 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 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.

2.0 Cavity Construction Method:

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

- 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.

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:

- 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.

3.0 General

3.1 Linea® Weatherboard Direct Fixed and Cavity Cladding must only be installed horizontally on vertical surfaces.

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.)

4.0 Exclusions

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 Certificate.

CodeMark Certification Body		29/9/2010	25/02/2015	29/9/2016	GM-CM30018-RevE
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia www.Global-Mark.com.au	Herve Michoux Managing Director	Date of issue	Last update	Date of next re-certification	Certificate Number

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

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 March 2015 including installation details 1 to 60, will meet the following provisions of the NZBC:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2, B1.3.3 (a), (f), (h), (j), (q) and B1.3.4 (a), (b), (c), (d) and (e). Linea® Weatherboard Direct Fixed Cladding and Linea® Weatherboard Cavity Cladding meets 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 meets 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 meets this requirement.

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

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

Subject to the following conditions and limitations:

1. Subject to regular inspection for soil movement, earthquake or other structural impact or user damage.
2. Maintaining the validity of BRANZ Appraisal No. 446 (2010) (Amended 30 October 2013) Linea® Weatherboard Direct Fixed Cladding and BRANZ Appraisal No. 447 (2010) (Amended 5 March 2014) Linea® Weatherboard Cavity Cladding.

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.

Product Installation Conditions:

1. Installation shall be carried out by a Licensed Building Practitioner (LBP), or tradespersons with experience in bevelback weatherboard external wall cladding installation who are supervised by a LBP.
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 March 2015), and the relevant BRANZ Appraisal.
3. Upon completion of the installation, the LBP shall complete and sign a Restricted Building Work memorandum and James Hardie Installation Checklist (January 2016) incorporating the Certificate of Installation requirements of the Global-Mark CodeMark Certification Program. The RBW document is to be provided to the Building Consent Authority (BCA) and to the head contractor.

End of the records