

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

Page 1 of 2

- 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.

Product Scope

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,
- constructed with timber framing 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 Building Wind Zones up to, and including 'Very High'.

1.2 Linea™ Weatherboard must only be installed horizontally on vertical surfaces.

1.3 Linea™ Weatherboard Direct Fixed Cladding is assessed for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. (This assessment of Linea™ Weatherboard Direct Fixed Cladding relies on the joinery meeting the requirements of NZS 4211:2008 for the relevant Building Wind Zone.)

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,
- constructed with timber framing 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 Building Wind Zones up to, and including 'Very High'.

2.2 Linea™ Weatherboard Cavity Cladding must only be installed horizontally on vertical surfaces.

2.3 Linea™ Weatherboard Cavity Cladding is assessed for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. (This assessment of Linea™ Weatherboard Cavity Cladding relies on the joinery meeting the requirements of NZS 4211:2008 for the relevant Building Wind Zone.)

3.0 Exclusions

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.

Certificate holder

James Hardie New Zealand Ltd
50 O'Rorke Road, Penrose, Auckland 1006, New Zealand.
Tel: 0800 808 868, Fax : 0800 808 988

| | | | | | |
|--|------------------------------------|---------------|-------------|-------------------------------|--------------------|
| CodeMark Certification Body | | 29/9/2010 | | 29/9/2013 | GM-10-30018 |
| 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 |

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 Department of Building and Housing under the Building Act 2004. The Department of Building and Housing 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 Department of Building and Housing 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

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



Page 2 of 2

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, will meet the following provisions of the NZBC:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. Linea™ Weatherboard Direct Fixed Cladding and Linea™ Weatherboard Cavity Cladding meets the requirements for loads arising from self-weight, earthquake, wind, impact and creep [i.e. B1.3.3 (a), (f), (h), (j) and (q)].

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 SPREAD OF FIRE: Performance C3.3.5. 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) Linea™ Weatherboard Direct Fixed Cladding and BRANZ Appraisal No. 447 (2010) 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:

Shall be carried out by:

- James Hardie Accredited Installers; or,
- A Licensed Building Practitioner; or,
- A person with a Trade Certificate being a current member of a Building Trade Association.

The installer shall also:

- Comply with all the relevant technical information related to the systems use including information contained within the Linea™ Weatherboard Technical Specification, dated December 2010 and the relevant BRANZ Appraisal; and,
- Upon completion of the installation issue and sign a James Hardie Installation Checklist (February 2009) incorporating the Certificate of Installation requirements of Global-Mark CodeMark Certification program.

| | | | | | |
|--|------------------------------------|---------------|-------------|-------------------------------|--------------------|
| CodeMark Certification Body | | 29/9/2010 | | 29/9/2013 | GM-10-30018 |
| 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 |

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 Department of Building and Housing under the Building Act 2004. The Department of Building and Housing 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 Department of Building and Housing 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