

# CERTIFICATE OF CONFORMITY

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

## James Hardie Linea® Oblique Weatherboard Cavity Cladding



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### Product Description

- Linea® Oblique Weatherboard Cavity Cladding is a cavity-based fibre cement weatherboard wall cladding. It is designed to be used as part of an external cladding system for residential and light commercial type buildings where domestic construction techniques are used.
- Linea® Oblique Weatherboard Cavity Cladding consists of Linea® Oblique Weatherboard, which is a rusticated profile fibre cement weatherboard, fixed over timber battens to form the cavity. Proprietary ventilated battens are used in the vertical application. The cladding is finished with a latex paint system.
- The cladding incorporates a primary and secondary means of weather resistance (first and second line of defence) against water penetration by separating the cladding from the external wall framing with a nominal 20 mm cavity. The cavity allows for any occasional ingress of water that may get past the external skin to drain to the exterior of the building, and any remaining moisture to dry by evaporation.

### Product purpose and use

- Linea® Oblique 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,
  - 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.
- Linea® Oblique Weatherboard Cavity Cladding has also been assessed for weathertightness and structural wind loading when used as an external vertically 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 subject to specific engineering design; and,
  - situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5 kPa.
- Linea® Oblique Weatherboard Cavity Cladding must only be installed vertically or horizontally on vertical surfaces.
- Linea® Oblique Weatherboard Cavity Cladding is certified for use with aluminium window and door joinery that is installed with vertical jambs and vertical heads and sills.

*(Note: Linea® Oblique Weatherboard Cavity 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).*

### Certificate holder

James Hardie New Zealand,  
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<b>CodeMark Certification Body</b>		5/3/2016		5/3/2019	GM-CM30059-RevA
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia <a href="http://www.Global-Mark.com.au">www.Global-Mark.com.au</a>	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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### Compliance with the New Zealand Building Code (NZBC):

#### New Zealand Building Code (NZBC)

Linea® Oblique Weatherboard Cavity Cladding if designed, used, installed and maintained in accordance with this Certificate, will meet the following provisions of the NZBC:

**Clause B1 STRUCTURE:** Performance B1.3.1, B1.3.2 and B1.3.4 (b) (c) (d) (e) for the relevant physical conditions of B1.3.3 (a), (h), (j) and (q). Linea® Oblique Weatherboard Cavity Cladding meets these requirements.

**Clause B2 DURABILITY:** Performance B2.3.1 (b), 15 years and B2.3.2. Linea® Oblique Weatherboard Cavity Cladding meets these requirements.

**Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE:** Performance C3.7 (a). Linea® Oblique Weatherboard Cavity Cladding meets this requirement.

**Clause E2 EXTERNAL MOISTURE:** Performance E2.3.2. Linea® Oblique Weatherboard Cavity Cladding meets this requirement.

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

#### Subject to the following conditions and limitations:

- For the Horizontal applications:
  - Maintaining the validity of and compliance with the BRANZ Appraisal No. 896 (2015) Linea® Oblique Weatherboard (Horizontal) Cavity Cladding (BRANZ Appraisal No. 896), and
  - Subject to regular inspection and maintenance in accordance with of BRANZ Appraisal No. 896 and Linea® Oblique Weatherboard Horizontal Cavity Technical Specification June 2015,
  - Linea® Oblique Weatherboard Cavity Cladding can only be used with the ancillary components as described in BRANZ Appraisal No. 896, where these components are substituted with alternative products, these applications fall outside the scope of this Certification.
- For the Vertical Application:
  - Maintaining the validity of and compliance with the BRANZ Appraisal No. 897 (2015) Linea® Oblique Weatherboard (vertical) Cavity Cladding (BRANZ Appraisal No. 897), and
  - Subject to regular inspection and maintenance in accordance with of BRANZ Appraisal No. 897 and Linea® Oblique Weatherboard Vertical Cavity Technical Specification July 2015
  - Linea® Oblique Weatherboard Cavity Cladding can only be used with the ancillary components as described in BRANZ Appraisal No. 897, Where these components are substituted with alternative products, these applications fall outside the scope of this Certification.

#### Notification Conditions:

- The certificate holder will notify Global-Mark in accordance with section 15 (a-e), Building (Product Certification) Regulations 2008

#### Design Conditions:

- Product specification and incorporation of the Linea® Oblique 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® Oblique Weatherboard as noted within this Certificate.
- 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:

- Installation shall be carried out by a Licensed Building Practitioner (LBP), or tradespersons with experience in rusticated weatherboard external wall cladding installation who are supervised by a LBP.
- Installation shall be undertaken in accordance with all relevant technical information as follow:
  - For the Horizontal applications, the BRANZ Appraisal No. 896 and Linea® Oblique Weatherboard Horizontal Cavity Technical Specification June 2015, and
  - For the Vertical Application BRANZ Appraisal No. 897 and Linea® Oblique Weatherboard Vertical Cavity Technical Specification July 2015
- Upon completion of the installation, the LBP shall complete and sign James Hardie Linea® Oblique Weatherboard Installation Checklist (January 2016) incorporating the Certificate of Installation requirements of the Global-Mark CodeMark Certification Program.

**End of the record**