James Hardie Linea™ Weatherboard

Product Technical Statement: 100240

miproducts

Linea fibre cement weatherboards

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Level of assurance needed to demonstrate NZ Building Code Compliance

HIGH

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark

James Hardie confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark

CMNZ 30018

BRANZ Appraisal

446 (2005), 447 (2005)

masterspec partner

Company Contact Details

JamesHardie

Company:	James Hardie
Physical Address:	1 O'Rorke Road Penrose AUCKLAND
Postal Address:	PO Box 12070 Penrose AUCKLAND
Fax:	64 09 5254810
Email:	info@jameshardie.co.nz
Website:	www.jameshardie.co.nz

Technical Statement

Scope of use

This covers the use of Linea™ Weatherboard on buildings that fall within the scope limitations of the New Zealand Building Code (NZBC) Acceptable Solution E2/AS1, Paragraph 1.1.This includes the use of Linea™ Weatherboard in both direct to stud and cavity construction method and must be read in conjunction with the current BRANZ Appraisals for Linea™ Weatherboard.This also covers the use of Linea™ Weatherboard in cavity construction for specific design projects (SED) subject to a wind pressure of 3.2kPa (ULS) maximum.

Buildings with a risk score of 13-20 calculated in accordance with the NZBC Acceptable Solution E2/AS1 Table 3 require Linea™ Weatherboards to be installed on a cavity.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2(a)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.6, C3.7(a)
- **Clause E2 External moisture:** Performance E2.3.2, E2.3.3, E2.3.4, E2.3.5, E2.3.6
- **Clause F1 Hazardous agents on site:** Performance F1.3.1
- **Clause H1 Energy efficiency :** Performance H1.3.1

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Structure - B1: Uniform wind face load tests have been completed at BRANZ and the suitability of Linea Weatherboard and its fixings have been verified to meet wind pressure requirement in various windzones classified in NZS 3604 and SED wind zone up to wind pressure of 3.2kPa and complies with the requirements of B1.3.1, B1.3.2 and B1.3.4.

Durability - B2: Linea Weatherboard has been tested at a NATA accredited James Hardie laboratory inaccordance with AS/NZS 2908.2 and meets the durability performance requirements as per B2.3.1 of this clause.

Fire Performance - C: Linea Weatherboard has been tested and is classified as non-combustible material and is suitable for use on external walls close to boundaries.

External Moisture - E2: Linea Weatherboard cavity cladding as per its details has been tested for weathertightness as per E2/VM1 (as contained within NZBC Clause E2, Third Edition, Amendment 5).

Hazardous Building Materials - F2: Linea Weatherboard complies with the requirements of F2.3.1 and will not present a health hazard when handled as per its technical specifications.

Energy Efficiency - H1: Linea Weatherboard clad walls constructed using bulk insulation meets the construction R-Value requirements as per Clause H1.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

CodeMark

CMNZ 30018

BRANZ Appraisal

446 (2005), 447 (2005)

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Product Criteria

Design requirements

Refer to Linea Weatherboard Technical Specification.

Linea Weatherboard can be direct fixed up to a risk score of 12. Must be installed on a timber cavity batten when risk score 13 - 20. Linea Weatherboard must be painted within 90 days of installation.

It can be used in a fire rated system, refer to Fire and Acoustic Design Manual by James Hardie.

Installation requirements

Refer to Linea Weatherboard Technical Specification.

Linea Weatherboard can be direct fixed up to a risk score of 12. Must be installed on a timber cavity batten when risk score 13 - 20.

Linea Weatherboard must be painted within 90 days of installation.

When fixed over a rigid air barrier ensure nail length is increased.

Maintenance requirements

As a guide, it is recommended that basic normal maintenance tasks shall include but not be limited to:

- Washing down exterior surfaces every 6-12 months* using low pressure water and a brush, and every 3-4 months in extreme coastal conditions or sea spray zones
- Re-coating exterior protective fnishes. Always refer to your paint manufacturer for re-coating requirements
- Cleaning out gutters, blocked pipes and overfow pipes as required
- Pruning back vegetation close to or touching the building
- The clearances between the bottom edge and the fnished/unfnished ground must always be maintained
- Stainless steel soakers may show some signs of ‘tea staining’. It is an aesthetic issue and to minimise staining soaker must be washed/polished frequently
- *Do not use a water blaster to wash down the cladding.

Warrantees

Linea Weatherboard Warranty

James Hardie New Zealand (“James Hardie”) warrants for a period of 25 years from the date of purchase that the Linea™ Weatherboard (the “Product”), will be free from defects due to defective factory workmanship or materials and, subject to compliance with the conditions below, will be resistant to cracking, rotting, fire and damage from termite attacks to the extent set out in James Hardie’s relevant published literature current at the time of installation. James Hardie warrants for a period of 15 years from the date of purchase that the Axent™ Trim and accessories supplied by James Hardie will be free from defects due to defective factory workmanship or materials.

Linea Weatherboard Warranty

Company Product Information

Environmental

We aim to conduct business in an environmentally sound and sustainable manner and to use management systems and operating procedures to identify, monitor, control and reduce the impact of our operations and our products on the environment. We strive to continually improve our manufacturing processes and product formulations to minimise our carbon footprint. As such, we are committed to ecologically sustainable development (ESD) principles.

Quality Assurance

ISO 9001 (Quality Management)

Date last validated: **11 November 2022**

Date last updated: **11 November 2022**