

Fibre cement wall cladding with a shiplap vertical joint

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Level of assurance needed to demonstrate NZ Building Code Compliance

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:

BRANZ Appraisal

[1211](#)

EasyLap Panel meets the E2/VM1 test criteria. Call James Hardie for further information.

[EasyLap Panel James Hardie](#)

Technical Statement

Product Description

EasyLap™ Panel is a strong fibre cement sheet with a shiplap vertical joint. Finished on site with rolled-on acrylic texture it creates a textures look with a subtle vertical joint.

EasyLap™ Panel is installed to the CLD™ Structural Cavity Battens as per its Technical Specification.

Sizes: 9mm thick x 2450mm or 3000mm long x 1200mm wide

Key Features and Benefits:

- Offer a cost effective alternative to traditional texturing methods.
- Fast installation: Shiplap joint eliminates the need for a vertical set joint and control joint.
- Design flexibility, complement other James Hardie cladding in modern composite design.
- Resistant to fire, damage from moisture and rot.
- Complies with New Zealand Building Code and has a 15 year product warranty.

Scope of use

EasyLap™ Panel is used on residential and commercial buildings where the maximum wind pressure exerted on the building facade is up to 2.5kPa (ULS).

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
- **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 F2 Hazardous building materials:** Performance F2.3.1
- **Clause H1 Energy efficiency :** Performance H1.3.1

Notes

Structure B1: Wind load tests completed at a NATA accredited James Hardie laboratory and the suitability of EasyLap Panel. Fixings have been assessed to meet wind pressure requirement in various wind zones classified in NZS 3604 and SED wind zone up to wind pressure of 2.5kPa it complies with B1.3.1, B1.3.2 and B1.3.4

Durability B2: EasyLap Panel has been assessed at a NATA accredited laboratory in accordance with AS/NZS 2908.2 and meets the durability performance requirements as per B2.3.1(a) and B2.3.2

Fire Performance C: EasyLap Panel has been assessed and is classified as non-combustible material and is suitable as external walls close to boundaries

External Moisture E2: EasyLap Panel as per the details published in its technical specification has been tested for weathertightness as per E2/VM1 (as contained within NZBC Clause E2

Energy Efficiency H1: EasyLap Panel walls constructed using bulk insulation meets the construction R-Value requirements as per H1, Table 1

Evidence

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

Structure - B1: Wind load tests have been completed at a NATA accredited James Hardie laboratory and the suitability of EasyLap™ Panel and its fixings have been assessed to meet wind pressure requirement in various wind zones classified in NZS 3604 and SED wind zone up to wind pressure of 2.5kPa and complies with the requirements of B1.3.1, B1.3.2 and B1.3.4.



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Company Contact Details



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Durability - B2: EasyLap™ Panel has been assessed at a NATA accredited laboratory in accordance with AS/NZS 2908.2 and meets the durability performance requirements as per B2.3.1(a) and B2.3.2 of this clause.

Fire Performance - C: EasyLap™ Panel has been assessed and is classified as non-combustible material and is suitable for use on external walls close to boundaries.

External Moisture - E2: EasyLap™ Panel as per the details published in its technical specification has been tested for weathertightness as per E2/VM1 (as contained within NZBC Clause E2)

Energy Efficiency - H1: EasyLap™ Panel walls constructed using bulk insulation meets the construction R-Value requirements as per Table 1 of Clause H

Supporting Evidence

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



BRANZ Appraisal
1211

EasyLap Panel meets the E2/VM1 test criteria. Call James Hardie for further information.
[EasyLap Panel James Hardie](#)

Product Criteria

Design requirements

The EasyLap™ Panel installed as per the technical specification provides a durable, shiplap vertical joint panel appearance for residential/ commercial building façades. The panel is finished with a site applied roll on textured acrylic paint to create a rendered look with subtle vertical joint.

EasyLap Panel is used on buildings, where the maximum wind pressure exerted on the building façade is up to 2.5kPa (ULS).

Installation requirements

Refer to technical specification. EasyLap™ Panel / CLD™ Structural Cavity Batten Technical Specification for further information.

Careful adherence to technical specification literature is critically important for completing EasyLap™ Panel construction. The construction shall comply with the requirements of the relevant building consent. Any variation made must be informed to the BCA.

Maintenance requirements

- Washing down exterior surfaces every 6-12 months
- Re-coating exterior protective finishes
- Maintaining the exterior envelope connRegular inspection and repair if necessary of the panels, sealants etc.
- Cleaning out gutters, down pipes and overflow pipes as required.
- Pruning back vegetation which is close to or touching the building.
- The clearance between the bottom edge of EasyLap™ Panel and the finished/unfinished ground must always be maintained.
- Do not use a water blaster to wash down the panel.
- In extreme coastal conditions or sea spray zones, wash every three to four months.
- Refer to the paint manufacturer for washing down and recoating requirements related to ongoing paint performance.

Warrantees

EasyLap™ Panel has a standard product warranty of 15 years when installed and maintained as per the technical specification.

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: **20 June 2022**



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James Hardie EasyLap™ Panel

Product Technical Statement: 106438



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