Hermpac VertiLine Vertical Shiplap Weatherboard Cladding System

Product Technical Statement: 102329

miproducts

Solid weatherboards - Western Red Cedar, Yellow Cedar, DuraLarch, Accoya, AshinDura

View miproducts listing

Level of assurance needed to demonstrate NZ Building Code Compliance

MEDIUM

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme

Hermpac confirms that this minimum level of assurance has been met or exceeded by the following:
CodeMark
30036
BRANZ Appraisal
650 (2020), 1181 (2021)

masterspec partner

Technical Statement

Product Description

The Hermpac VertiLine Vertical Shiplap weatherboard system is a cavity-based external wall cladding system for residential and light commercial type buildings where domestic construction techniques are used.

Manufactured in New Zealand from Canadian Coastal Western Red Cedar *(Thuja plicata)* and available in various widths and thicknesses incorporating the standard 27mm rebate and 25mm lap detail. Selected profiles are available in Yellow Cedar, "DuraLarch™" Siberian Larch (Larix sibirica), Accoya® and AshinDura™ (paint finish only).

Vertical shiplap profiles are available in a large range of both standard and custom profiles in various widths and thicknesses, bevel or square groove options and can be supplied with either a bandsawn face (BSF) or dressed face (DF).

There is a range of corner mouldings, "smart corners", flashings, fixings and fascia that accompany the VertiLine Vertical Shiplap Weatherboard system.

Hermpac Vertical Shiplap Weatherboard Cladding System is also available as a direct fix option (risk score 0-6).

Scope of use

The Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System has been appraised as an external, vertically fixed wall cladding system within the following scope:

- the scope limitations of NZBC Acceptable System 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 Wind Zones up to, and including Extra High.

For weathertightness and structural wind loading 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.

Refer BRANZ Appraisal No. 650 (2020) and Codemark Certificate GM-CM30036. or BRANZ Appraisal No. 1181 (2021).

Refer Hermpac website for direct fix option (risk score 0-6).

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, B1.3.3, B1.3.3(a), B1.3.3(h), B1.3.3(j), B1.3.3(q)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2
- **Clause E2 External moisture:** Performance E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Evidence

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

Company Contact Details

Hermpac

Company:	Hermpac
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The Hermpac VertiLine Shiplap Cedar Weatherboard Cavity System was tested in accordance with, and meets the requirements of E2/VM1.

The Hermpac Vertical Shiplap Cladding System can also be a direct fixed cladding within the following scope:

- the score 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 0-6 calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and

- situated in NZS3604 Building Wind Zones up to and including "Very High".

Supporting Evidence

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

CodeMark
30036

BRANZ Appraisal
650 (2020), 1181 (2021)

Use in Service History

Vertical Shiplap has been a long-standing option for exterior cladding in New Zealand and now that we can offer a cavity based solution, has increased its scope of use.

Product Criteria

Design requirements

The Hermpac VertiLine Shiplap Cedar Weatherboard Cavity System is designed to be used as an external cladding, fixed vertically on flat surfaces. The profiles are manufactured in accordance with NZS 3617 (1979) and BRANZ Bulletin 411.

There is a range of standard and custom profile designs with a focus on innovation and product development. Refer to www.hermpac.co.nz for latest profiles.

Installation requirements

The system must be installed in accordance with the Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System Installation Specification, BRANZ Appraisal 650 (2020), Codemark Certificate GM-CM30036 and the Hermpac VertiLine Shiplap construction drawings (ref: HC-SHIP, HC-SHIP40, or VC-RWD).

For direct fix options please refer to Hermpac Vertical Shiplap Direct Fix System and Construction Drawings Direct Fix.

When specifying Accoya® refer separate Hermpac Accoya® VertiLine Vertical Shiplap Weatherboard Cavity System Installation Specification, BRANZ Appraisal 1181 (2021), Quality Assurance Checklist and construction drawings HA-SHIP, HA-SHIP40, VA-RWD).

Please refer to www.hermpac.co.nz for this technical literature or email: technical@hermpac.co.nz.

Maintenance requirements

Maintenance of the Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System is the building owner's responsibility.

Annual inspections must be made to ensure that all aspects of the cladding system, including flashings, remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress, must be repaired immediately. Sealant, coatings, flashings or the weatherboards must be repaired in accordance with the relevant manufacturer's instructions.

Maintenance requirements will depend on the coating type that is applied. Please refer to the coating manufacturer's specification. Specific maintenance schedules for re-coating oil stains are issued on a project specific basis.

Regular cleaning (at least annually) of the surface finish with water and a mild detergent is recommended to remove grime, dirt and organic growth, to maximise the life and appearance of the cladding.

Company Product Information

Environmental

Hermpac timbers are available via a number of independent third party sustainability certification schemes including FSC, PEFC, SDI, and CSA.

Hermpac timbers meet the requirements of clause F2 Hazardous building materials F2.3.1 and does not present a health hazard to people.

Relationships

Hermpac VertiLine Vertical Shiplap Weatherboard Cladding System

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New Zealand Made

FSC SGS-COC-008082

PEFC SGS-PEFC/COC-1212

Date last validated: **01 October 2021**

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