Hermpac Horizontal Bevelback & Rebated Bevelback Weatherboard Cladding System

Product Technical Statement: 102427

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

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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

Hermpac confirms that this minimum level of assurance has been met or exceeded by the following:
CodeMark
30038
BRANZ Appraisal
663 (2020)

masterspec partner

Company Contact Details

Hermpac

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Technical Statement

Product Description

The Bevel Back style of weatherboard is proving to be one of Hermpac's most popular and enduring timber cladding styles on offer.

Herman Pacific Bevelback cedar weatherboards are a horizontal weatherboard cladding system that can be either direct fixed or fixed over a drained cavity.

Manufactured in NZ from Canadian Coastal Western Red Cedar or Alaskan Yellow Cedar.

Available in various widths and thicknesses incorporating the standard 32mm lap detail. Herman Pacific bevelback weatherboard profiles can be supplied with either a band sawn face (BSF) or dressed face (DF), and are available in a large range of both standard and custom profiles.

There is a range of soakers, corner battens and mouldings, fascias, flashings, and fixings that accompany the bevelback weatherboard system.

Scope of use

The Hermpac cavity based Bevelback Weatherboard System has been appraised as an external, horizontally 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. 663 (2020) , Codemark Certificate GM-CM30038 and BRANZ Appraisal No. 1183 (2021).

Or refer Hermpac website for direct fix option (risk score 0-12).

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(a), B1.3.3(h), B1.3.3(j), B1.3.3(q)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2(a), B2.3.2(b)
- **Clause E1 Surface water:** Performance E1.3.2, E1.3.3
- **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:

The Hermpac Bevelback and Rebated Bevelback Weatherboard Cavity System was tested in accordance with, and meets the requirements of E2/VM1.

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The Hermpac Bevelback and Rebated Bevelback Weatherboard Cavity System can 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 0-12 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
30038

BRANZ Appraisal
663 (2020)

Use in Service History

Bevelback weatherboards have been used as a cladding in New Zealand for over a century.

Product Criteria

Design requirements

The Hermpac Bevelback and Rebated Bevelback Weatherboard Cavity System is designed to be used as an external cladding, fixed horizontally on flat surfaces.

The profiles are manufactured in accordance with NZS 3617 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 Bevelback and Rebated Bevelback Weatherboard Cavity System Installation Specification, BRANZ Appraisal 658 (2020), Codemark Certificate GM-CM30038 and the Hermpac Bevelback and Rebated Bevelback construction drawing details (ref: HC-BEVEL).

For direct fix refer Hermpac Bevelback and Rebated Bevelback Installation Specification Direct Fix and Hermpac Construction Drawings Direct Fix.

When specifying Accoya® refer separate Hermpac Accoya® Bevelback and Rebated Bevelback Weatherboard Installation Specification, BRANZ Appraisal 1183 (2021), Quality Assurance Checklist and construction drawings HA-BEVEL).

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

Maintenance requirements

Maintenance of the Hermpac Bevelback and Rebated Bevelback 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 grim, 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 requirement for clause F2 Hazardous building materials F2.3.1 and does not present a health hazard to people.

Relationships

New Zealand Made

FSC SGS-COC-008082

PEFC SGS-PEFC/COC-1212

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