

Certificate no: CMNZ30036

Version: N

Original issue date: 31 March 2014

Version date: 26 July 2023

Renewal date: 12 July 2028

Product Certificate

Herpac VertiLine Vertical Shiplap Weatherboard Cavity System

1. Certificate Holder Details



Herpac

Herpac Pacific Limited.

110 Foundry Road, Silverdale 0932

technical@herpac.co.nz

Tel: 09 426 5475

<https://www.herpac.co.nz>

2. Product Certification Body

Global-Mark Pty Ltd

Trading as Global-Mark

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Complaints: The complaints process for this certificate can be found here:

www.global-mark.co.nz/complaints

Global-Mark Managing Director.



Herve Michoux

3. Description of Building Method or Product

The Herpac VertiLine Vertical Shiplap Weatherboard Cavity System consists of vertically fixed shiplap weatherboards, ventilated cavity battens, flashings and accessories.

4. Intended use of Building Method or Product

The Herpac VertiLine Vertical Shiplap Weatherboard Cavity System is an external vertically fixed wall cladding system for residential and light commercial type buildings where domestic construction techniques are used.

5. New Zealand Building Code Provisions

The Herpac VertiLine Vertical Shiplap Weatherboard Cavity System if designed, used, installed and maintained in accordance with the conditions of this Certificate will comply with or contribute to compliance with the following performance provisions of the NZ Building Code:

Clause B1 STRUCTURE:	Performance B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (a), (h), (j) & (q)
Clause B2 DURABILITY:	Performance B2.3.1(b) 15 years and B2.3.2(a)
Clause E2 EXTERNAL MOISTURE:	Performance E2.3.2, E2.3.5, E2.3.6 and E2.3.7
Clause F2 HAZARDOUS BUILDING MATERIALS:	Performance F2.3.1

6. Conditions and Limitations of Use

- The Herpac VertiLine Vertical Shiplap Weatherboard Cavity System is certified for buildings:
 - not greater than 10 metre height, and
 - situated:
 - in all exposure zones (excluding microclimates) as defined in NZS3604:2011, Paragraph 4.2.4 NZS3604:2011, and
 - more than 1m from a relevant boundary, and
 - constructed with timber framing within the scope of NZBC Acceptable Solution E2/AS1, Third Edition including amendment 10 (5/11/2020) Paragraph 1.1, and with a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Third Edition including amendment 10 (5/11/2020) Table 2, situated in Wind Zones (as defined in NZS 3604:2011) as follows:



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- i. up to and including Extra High; for oil or stain finished Western Red Cedar, Yellow Cedar or Kanda, or with paint finished AshinDura, and
 - ii. up to and including Medium (provided dwangs or structural Vertibat cavity battens are at maximum 480mm centres), and if fixed with jolt head nails, up to and including Very High (provided dwangs or structural Vertibat cavity battens are at maximum 400mm centres) for paint finished Western Red Cedar, or
 - d. constructed with timber framing subject to specific engineering design up to a maximum design differential ultimate limit state (ULS) wind pressure of 2.5 kPa and within the scope limitations of NZBC Acceptable Solution E2/AS1, Third Edition including amendment 10 (5/11/2020) Paragraph 1.1 with regards to building height and floor plan area, and with a risk score of 0-20 calculated in accordance with NZBC Acceptable Solution E2/AS1, Third Edition including amendment 10 (5/11/2020) Table 2, for oil or stain finished Western Red Cedar, Yellow Cedar or Kanda.
2. The Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System shall be designed, used, installed and maintained in accordance with:
 - a. the Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System Installation Specifications, May 2023 V3 including:
 - i. the Hermpac standard construction drawings applicable (refer sections 9 & 11 of this certificate), and
 - ii. the fixing & finish requirements applicable to the oil/stain or paint system used.
3. The Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System shall be only installed vertically on vertical, flat surfaces.
4. Only aluminium window and door joinery meeting the requirements of NZS 4211:2008 (including Amendment1) for the relevant Wind Zone or wind pressure and installed with vertical jambs and horizontal heads and sills shall be used with The Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System.
5. The designer shall provide a signed Declaration for submission with the building consent application that the use of this product in the proposed building work falls within the scope of this certificate and that all design conditions of this certificate have been met.
6. The installer shall supply a signed Product Installation Checklist Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System (January 2023 V2) for consideration for issuing a Code Compliance Certificate (CCC).

7. Health and Safety Information

Standard industry safety practices and manufacturer safety requirements as detailed in the technical literature including the applicable SDS must be observed at all times. Please refer to the product technical literature, safe handling instructions and relevant MSDS.

8. Basis for Certification

The certification decision is based on independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)

Code Clause	Compliance pathway	Evidence
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B1 STRUCTURE	Alternate solution based on NZS3604:2011 and comparison with E2/AS1	1, 2, 3, 4, 5, 6, 7, 8 & 9
B2 DURABILITY	Alternate solution based on expert judgement	1, 6, 7, 8, 10, 13, 14 & 15
E2 EXTERNAL MOISTURE	Verification method E2/VM1 test	1, 2, 3, 4, 5, 6, 7, 8, 11 & 12
F2 HAZARDOUS BUILDING MATERIALS	Alternate solution based on expert judgement	1, 6, 7, 8, 16 & 17

9. Supporting Documentation for Certification

Rev	Author	Description	Date and/or Revision
1.	Herman Pacific	Herpac VertiLine Vertical Shiplap Weatherboard Cavity System Installation Specifications	Version 3, May 2023
2.	Herman Pacific	VertiLine Vertical Shiplap Weatherboard 18-20mm Cavity System – Construction Drawings -	Version 2, 1 January 2022;
3.	Herman Pacific	VertiLine Vertical Shiplap Weatherboard 40-45mm Cavity System – Construction Drawings	Version 2, 1 January 2022
4.	Herman Pacific	VertiLine Vertical Shiplap Weatherboard Cavity System Random Width and Depth– Construction Drawings	Version 2, 1 January 2022
5.	Herman Pacific	Product Installation Checklist – Herpac Accoya VertiLine Vertical Shiplap Weatherboard Cavity System_Checklist	Version 2, January 2023
6.	BRANZ	Herpac Vertiline Vertical Shiplap Weatherboard Cavity System – BRANZ Appraisal No. 650 (2020)	27 May 2020
7.*	BRANZ	BRANZ Appraisals Means of Compliance – Basis of Appraisal - Herpac VertiLine Vertical Shiplap Weatherboard Cavity System – BRANZ Appraisal No. 650 (2020)	22 May 2020
8.	BRANZ	HERMPAC Cedar Horizontal Cavity Battens – BRANZ Appraisal 1189 (2021)	19 August 2021



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9.	BRANZ	Structures Test Report - HERMPAC Weatherboard Connections	5 March 2021
10.	SCION	Durability and Potential End-uses of some Timber Species Imported into New Zealand	October 2017
11.	BRANZ	Weathertightness test to E2/VM1 of Herman Pacific Vertical Shiplap Weatherboard	10 May 2013
12.	BRANZ	E2 Weathertightness Opinion for the Reissue of the Appraisal of the VertiLine Vertical Shiplap Weatherboard Cavity System	22 May 2020
13.	Herman Pacific	Yellow Cedar – Technical Data Sheet	2021
14.	Herman Pacific	Kanda – Technical Data Sheet	2021
15.	CIRAD	Tropix & Tropical Wood Species – Kanda Technical Data Sheet	26 March 2012
16.	Herman Pacific	Hermpac Weatherboard Cladding Cavity Systems – SDS Index	20-May-2020
17.	Henkel Adhesives	Safety Data Sheet – Loctite HB S039 Purbond	November 2015

* These documents were provided commercial in confidence and are not publicly available

10. Supporting Information About Description (Optional)

- The system consists of vertically fixed shiplap weatherboards, proprietary cavity battens, flashings and accessories.
- The Hermpac VertiLine Vertical Shiplap Weatherboards are manufactured from Western Red Cedar. Selected Weatherboards are also manufactured from Yellow Cedar, Kanda and AshinDura. Western Red Cedar, Yellow Cedar and Kanda weatherboards are supplied either raw, with one coat of machine applied premium penetrating exterior grade oil stain to Hermpac specifications or, with a machine applied primer coat and one machine applied undercoat of exterior grade paint to Hermpac specifications. AshinDura weatherboards are treated to H3.1 and are only available with a machine applied primer coat and one machine applied coat of exterior grade paint to Hermpac specifications.
- The system 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 frame with a minimal 18 mm drained cavity.
- Hermpac Standard Profiles (HP50 - HP60) and Hermpac Custom Profiles defined in accordance with NZS3617 and BRANZ Bulletin 411 are covered by this certificate.
- The system construction details defined in:



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- VertiLine Vertical Shiplap Weatherboard 18-20mm Cavity System – Construction Drawings - Version 2 dated 01 January 2022; and
- VertiLine Vertical Shiplap Weatherboard 40-45mm Cavity System – Construction Drawings - Version 2 dated 01 January 2022; and
- VertiLine Vertical Shiplap Weatherboard Cavity System Random Width and Depth– Construction Drawings - Version 2 dated 01 January 2022.

11. Supporting Information About Intended Use (Optional)

Nil

12. Supporting Information About Conditions and Limitations of Use (Optional)

Nil

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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