



**CODEMARK**<sup>®</sup>

Certificate No: BRANZ-CM-1013

Date of Issue: 05 August 2022

Expiry Date: 05 August 2025

**CERTIFICATE HOLDER**



**Claymark Group Ltd Partnership**

PO Box 1796

Rotorua

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**Bruce Barclay**

General Manager Sales & Marketing

Claymark Group Ltd Partnership

**CERTIFICATION BODY**



**BRANZ**

**BRANZ Limited**

1222 Moonshine Rd,

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**Chelydra Percy**

Chief Executive Officer

BRANZ Limited

**JAS-ANZ**



[www.jas-anz.org/register](http://www.jas-anz.org/register)

The Certificate Holder must maintain compliance with the conditions set out in Regulation 15 of the Building (Product Certification) Regulations 2008.

This Certificate is issued by BRANZ Limited, an independent certification body accredited by the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE disclaims, to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the building method(s) or products(s) referred to in this certificate.

It is advised to check that this Product Certificate is currently valid and not withdrawn, suspended or superseded by a later issue, by referring to the MBIE website, [www.mbie.govt.nz](http://www.mbie.govt.nz)

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Information regarding BRANZ's complaints process can be found at the following link: [Complaints Process](#)

# PRODUCT CERTIFICATE

THIS IS TO CERTIFY

## GARRISON<sup>®</sup> VERTICAL SHIPLAP WEATHERBOARDS

### KEY INFORMATION

#### 1. DESCRIPTION OF PRODUCT

Garrison<sup>®</sup> Vertical Shiplap Weatherboards are H3.1 treated radiata pine timber weatherboards. The boards are painted blue and each has an identification sticker on the rear with the Garrison<sup>®</sup> logo and care instructions.

#### 2. USE OF PRODUCT

Garrison<sup>®</sup> Vertical Shiplap Weatherboards are for use as a direct-fixed external wall cladding for buildings within the following scope:

- the scope 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 NZS 3604 Wind Zones up to, and including, Very High.

Garrison<sup>®</sup> Vertical Shiplap Weatherboards are for use as a cavity-fixed external wall cladding for buildings within the following scope:

- the scope 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 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and,
- situated in NZS 3604 Wind Zones up to, and including, Extra High.

#### 3. COMPLIES WITH THE FOLLOWING PROVISIONS OF THE NEW ZEALAND BUILDING CODE (NZBC)

**Clause B1 STRUCTURE:** Performance B1.3.1, B1.3.2 and B1.3.4 for the relevant physical conditions of B1.3.3 being self-weight, wind, impact and creep [i.e. B1.3.3 (a), (h), (j) and (q)].

**Clause B2 DURABILITY:** Performance B2.3.1 [b] 15 years.

**Clause E2 EXTERNAL MOISTURE:** Performance E2.3.2, E2.3.5 [contributes], E2.3.6 [contributes] and E2.3.7.

**Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1.



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#### 4. CONDITIONS AND LIMITATIONS OF USE

- Garrison® Vertical Shiplap Weatherboards are for use with buildings constructed with timber framing complying with the NZBC.
- Garrison® Vertical Shiplap Weatherboards are for use with buildings with a risk score of 0-6, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2 when direct-fixed to framing
- Garrison® Vertical Shiplap Weatherboards are for use with buildings with a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2 when fixed over a cavity formed with horizontal castellated cavity battens.
- Garrison® Vertical Shiplap Weatherboards are for use with buildings situated in NZS 3604:2011 Wind Zones up to, and including, Extra High.
- Garrison® Vertical Shiplap Weatherboards are for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills meeting the requirements of NZS 4211:2008 for the relevant Wind Zone.
- The ground clearance to finished floor levels and the bottom edge of the cladding must be in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Table 18.
- Weathertightness details that are developed by the designer are outside the scope of this Certificate and are the responsibility of the designer for compliance with the NZBC.
- Accessories used with the product must comply with the durability provisions and material specifications specified in NZBC Acceptable Solution E2/AS1.
- All board ends and cut edges must be painted with two coats of exterior grade undercoat paint.
- All exposed faces, including top edges at sills and all bottom edges of Garrison® weatherboards and box-corners must be finished with at least two coats of an exterior grade latex acrylic paint complying with any of Parts 7, 8, 9 or 10 of AS 3730. The paint colour must have a light reflectance value [LRV] of greater than or equal to 45%.
- Regular maintenance as specified in the Technical Literature is essential to ensure the performance requirements of the NZBC are continually met and to ensure the maximum serviceability of the system.
- Installation must be carried out in accordance with the Technical Manual and this Certificate.

#### 5. HEALTH AND SAFETY INFORMATION

Standard industry practices relating to the use of timber weatherboards must be observed at all times.

#### 6. REFERENCE DOCUMENTS

This Product Certificate must be read in conjunction with:

- Garrison® Technical Manual - Vertical Weatherboard, J003934, dated 14/07/2022.

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## SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

### 7. SUPPORTING INFORMATION ABOUT DESCRIPTION OF THE PRODUCT

#### PRODUCT SPECIFICATION

Products supplied by Claymark Group Ltd Partnership are as follows:

##### **Garrison® Weatherboards and Box Corners**

- Garrison® Vertical Shiplap Weatherboards are manufactured from finger-jointed New Zealand radiata pine, treated to Hazard Class H3.1. The weatherboards are supplied factory coated with a sealer coat and a primer coat on the front and back faces and top and bottom edges. The weatherboard profiles are in accordance with BRANZ Bulletin 411. The weatherboards are 18 mm thick and are available in widths of 135, 142, 180 and 187 mm wide. They are supplied in a 6.1 m lengths.
- Garrison® two-part boxed corners. One board has a tongue and the other board has a rebate to receive the tongue. The overall dimensions are 102 x 102 x 18 mm and they are supplied in 5.4 m lengths. They are treated and finished as per Garrison® Vertical Shiplap Weatherboards.
- Claymark Castellated Battens are manufactured from clear grade New Zealand radiata pine, treated to Hazard Class H3.1. The overall dimensions are 40 x 19 mm. The top edge has a 15° bevel which slopes down to the front face. The front face is castellated with 9 mm wide x 5 mm deep rebates at 150 mm centres. The back face is castellated with 15 mm wide x 5 mm deep rebates at 50 mm centres.

##### **Other components:**

- All other components are supplied by the building contractor and must be in accordance with NZBC Acceptable Solution E2/AS1.

### 8. SUPPORTING INFORMATION ABOUT INTENDED USE OF THE PRODUCT

#### DESIGN REQUIREMENTS

Timber framing must comply with NZS 3604:2011 or to a specific design in accordance with NZS 3603:1993 and AS/NZS 1170:2002. Studs must be at maximum 600 mm centres. Dwargs must be fitted flush between the studs at maximum 480 mm centres.

External walls of buildings must have barriers to airflow in the form of interior linings with all joints stopped for Wind Zones up to, and including, Very High. In Extra High Wind Zones, a rigid air barrier must be installed.

#### INSTALLATION REQUIREMENTS

Installation must be carried out in accordance with the following:

- Garrison® Technical Manual - Vertical Weatherboard, J003934, dated 14/07/2022.

#### MAINTENANCE REQUIREMENTS

Maintenance of Garrison® Vertical Shiplap Weatherboards must be carried out in accordance with the Garrison® Technical Manual.

#### BUILDING CODE

##### **B1 STRUCTURE**

The mass of Garrison® Vertical Shiplap Weatherboards is approximately 15 kg/m<sup>2</sup> at equilibrium moisture content and is considered a lightweight cladding in terms of NZS 3604:2011.

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## B2 DURABILITY

Garrison<sup>®</sup> Vertical Shiplap Weatherboards meets the performance requirements of NZBC Clause B2.3.1 [b] 15 years.

## C2 PREVENTION OF FIRE OCCURRING

Separation or protection must be provided to Garrison<sup>®</sup> Vertical Shiplap Weatherboards from heat sources such as fireplaces, heating appliances, flues and chimneys. Part 7 of NZBC Verification Method C/VM1 and Acceptable Solution C/AS1, and NZBC Acceptable Solution C/AS2 provide methods for separation and protection of combustible materials from heat sources.

## C3 CONTROL OF EXTERNAL FIRE SPREAD

### Vertical Fire Spread

This Certificate only covers buildings 10 m or less in height. NZBC Functional Requirements C3.2 identifies that external vertical fire spread to upper floors only needs be to be considered for buildings with a building height greater than 10 m. Control of external fire spread is therefore outside the scope of this Certificate.

### Horizontal Fire Spread

Garrison<sup>®</sup> Vertical Shiplap Weatherboards have not been assessed for a peak heat release or total heat released rating.

Refer NZBC Acceptable Solution C/AS1 and C/AS2 and Verification method C/VM2 for requirements for fire rating and exterior surface finish requirements of external walls.

## E2 EXTERNAL MOISTURE

When installed in accordance with this Certificate and the Technical Literature, Garrison<sup>®</sup> Vertical Shiplap Weatherboards will prevent the penetration of moisture that could cause undue dampness or damage to building elements.

Garrison<sup>®</sup> Vertical Shiplap Weatherboards allows excess moisture present at the completion of construction to be dissipated without permanent damage to building elements to meet code compliance with NZBC Clause E2.3.6.

The details given in the Technical Literature for weather sealing are based on the principle of having a first and second line of defence against moisture entry for all joints, penetrations and junctions. The ingress of moisture must be excluded by detailing joinery and wall interfaces as shown in the Technical Literature.

## 9. SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

All conditions and limitations provided as stated in this Product Certificate.

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## 10. BASIS FOR CODEMARK CERTIFICATION

The following technical investigations have been carried out by BRANZ:

- BRANZ expert opinion on NZBC E2 code compliance for the Garrison<sup>®</sup> Vertical Shiplap Weatherboards was based on evaluation of all details within the scope and as stated within this Product Certificate. The details contained within the Technical Literature have been reviewed, and an opinion has been given by BRANZ technical experts that the system will meet the performance levels of NZBC Acceptable Solution E2/AS1 for direct-fixed and cavity-fixed weatherboard claddings.
- BRANZ expert judgment [Materials Scientist] has confirmed the durability of Garrison<sup>®</sup> Vertical Shiplap Weatherboards.
- The comparability to NZBC Acceptable Solution E2/AS1 and conformance with the incorporated standards for timber weatherboards has been evaluated for conformance with the relevant areas of NZBC Clauses B1, B2 and E2.
- The practicability of installation of Garrison<sup>®</sup> Vertical Shiplap Weatherboards has been assessed by BRANZ and found to be satisfactory.
- The referenced Technical Literature has been examined by BRANZ and found to be satisfactory.

## 11. DOCUMENTATION SUPPORTING CERTIFICATION

- AS 3730 Guide to the properties of paints for buildings.
- AS/NZS 1170:2002 Structural design actions.
- BRANZ Bulletin Number 411, April 2001, Recommended Timber Cladding Profiles.
- BRANZ Bulletin Issue 673, June 2022, Cavity Battens.
- BRANZ Durability Opinion TP02592-01-1, issue date 24 December 2021.
- BRANZ Weathertightness Opinion TP02592-03, issue date 1 July 2022.
- New Zealand Timber Preservation Council, Woodmark Licence Plant number 950.
- NZS 3603:1993 Timber structures standard.
- NZS 3604:2011 Timber-framed buildings.
- NZS 3610:1979 Specification for profiles of mouldings and joinery.
- NZS 4211:2008 Specification for performance of windows.
- Ministry of Business, Innovation and Employment Record of amendments - Acceptable Solutions, Verification Methods and handbooks.
- Ministry of Business, Innovation and Employment. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3, Third Edition, Amendment 10.
- The Building Regulations 1992.

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Chief Executive Officer  
BRANZ Limited

**12. CONDITIONS RELATING TO NOTIFICATION**

The Certificate Holder Claymark Group Ltd Partnership must notify the product certification body (BRANZ) in writing, of any intended change to any of the following particulars:

- The name, address, or contact details of the Certificate Holder
- Any address of a location where a certified product is produced or manufactured.

The Certificate Holder shall notify the product certification body in writing of any intended change, modification, or alteration to any of the following:

- The certified building method or product
- The method of its production or manufacture
- The Product Quality Plan prepared in respect of the certified building method or product
- The application or installation instructions for the certified building method or product
- Any documentation relating to the use and maintenance of the certified building method or product.

If the Certificate Holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the Certificate Holder shall notify the product certification body in writing of the reason for that suspicion.

If the Certificate Holder or the product certification body finds that a certified building method or product that has been released on the market does not comply with the Building Code, the Certificate Holder shall disclose that fact in a published disclosure statement in a form that is acceptable to the product certification body and to MBIE.

If the Certificate is suspended or revoked, the Certificate Holder:

- Shall notify all customers to whom the building method or product is regularly supplied; and
- Immediately cease using the certificate, the mark of conformity, and any reference to the number of this certificate.

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