

BOARD AND BATTEN VERTICAL WEATHERBOARD EXTERNAL CLADDING SYSTEM

PURPOSE

Hume Pine (NZ) Ltd supplies the Pineclad and Pinetrim XT Board and Batten, Vertical Weatherboard External Cladding system (the system) for use as an external cladding.

EXPLANATION

The system comprises; flat profiled timber weatherboards, fascia boards, box corner profiles and Hume Pine castellated cavity battens manufactured from finger-jointed, glued laminated, clear radiata pine.

Pineclad:

- is manufactured in New Zealand from locally sourced timber
- is treated to hazard class H3.1 with a light organic solvent preservative (LOSP)
- components are pre-sanded and primed with an oil-based primer ready for topcoating with a high-grade acrylic, two-coat system.

Pinetrim XT:

- is manufactured in China from timber sourced from other countries including New Zealand
- is treated to hazard class H3.1 with LOSP
- components are pre-sanded and painted with an acrylic primer and undercoat system ready for top-coating with a high-grade acrylic, two-coat system.

The following Hume Pine components are supplied:

- 18 mm thick Boards, in 90 mm and 180 mm widths
- 18 mm thick Battens, in 40 mm and 65 mm widths
- moulding profiles of Bevelled Cornice, Quad, Scotia, D4S, D4S Eaves mould (with raised edge), Weather Grooved Boxed Corners and Sill
- 45 mm x 19 mm finger-jointed LOSP radiata pine castellated cavity battens.



For further assistance please contact:

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SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Building	
In wind zones up to extra high as defined in NZS 3604:2011 or up to a design wind pressure (ULS) of 2.5 kPa.	➤ Specific engineering design is required where the design wind pressure is in excess of 2.1 kPa.
In all exposure zones as defined in NZS 3604:2011.	<ul style="list-style-type: none"> ➤ All fixings to comply with E2/AS1 (table 20 and 24) and Section 4, NZS 3604:2011. ➤ For use in microclimatic considerations (s4.2.4, NZS 3604:2011) refer to Hume Pine.
Any proximity to a relevant boundary.	➤ Where located within 1 m of a relevant or notional boundary, the specification and design must be subject to specific fire engineering.
Location	
On timber or lightweight steel framing.	➤ A thermal break is required where the system is used in conjunction with steel framing.
In conjunction with a primary structure that complies with the NZ Building Code or where the designer and/or installer have established that the existing building is suitable for the intended building work.	
As an external cladding on all buildings.	<ul style="list-style-type: none"> ➤ On buildings up to 10 m in building height or height limited by the design wind pressure and where upper floors do not contain sleeping uses or other property. ➤ On buildings with a risk score of less than 12, when evaluated against the E2/AS1 risk matrix. ➤ Direct fixed where the risk score is 6 or less. ➤ Where the risk score is greater than 6, the system must be installed over a drained and ventilated cavity. The cavity battens must be structurally fixed in accordance with BRANZ BU582 at a maximum 480 mm centres. ➤ In conjunction with a flexible building wrap or rigid air barrier depending on location wind zone and, as a minimum, in accordance with E2/AS1. ➤ With aluminium joinery that meets NZS 4211:2008 or has a current product certificate (CodeMark) or with traditional timber joinery as set out in BRANZ bulletin BU481.

USEFUL INFORMATION

For information on the design, installation and maintenance of the Hume Pine (NZ) Board and Batten Vertical Weatherboard External Cladding systems and for our warranty refer to www.humpine.co.nz.

OTHER CERTIFICATIONS AND APPROVALS HELD BY HUME PINE (NZ) LTD

- NEPCon Assurance. [02/11/2017] License Code FSC-C021533.

VERSION:

CONDITIONS OF USE

Installation must be completed by a competent person with access to all relevant technical documentation.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Hume Pine (NZ) Ltd requirements, the Board and Batten Vertical Weatherboard External Cladding system will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	Compliance statement	BASIS OF COMPLIANCE ¹ Demonstrated by
B1 Structure B1.3.1 B1.3.2 B1.3.3 (a, f, h, j, m, q) B1.3.4 (b, c, d, e)	ACCEPTABLE SOLUTION B1/AS1	<ul style="list-style-type: none"> Dimensions – profiles in accordance with NZS 3617:1979. Paragraph 104.1.1 of NZS 3602:2003 (referenced in NZS 3604:2011, which is cited in Acceptable Solution B1/AS1) and paragraph 5.1 of NZS 3617:1979 for the required dimensions of weatherboards. Cavity battens in accordance with BRANZ Build Right 154 Structurally Fixed Cavity Battens.
B2 Durability B2.3.1 (b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> Tanalised® Azure treatment process recognised same characteristic values for penetration and retention as defined in NZS 3640:2003. (preservative code 64) [Hume Pine, October/2010; Lonza, December/2008].
E2 External Moisture E2.3.2 E2.3.3 E2.3.5 E2.3.7 (a, b, c)	ACCEPTABLE SOLUTION E2/AS1	<ul style="list-style-type: none"> In accordance with E2/AS1 Table 3, Suitable wall claddings. In accordance with E2/AS1 Fig. 84. Performance of other board and batten weatherboard systems installed over a 19 mm drained and ventilated cavity, incorporating structurally fixed horizontal castellated cavity battens.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> NZTPC Best Practice Guideline for the Safe Use of Timber Preservatives and Antisapstain Chemicals. Establishes drying and flash off requirements.

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

SOURCES OF INFORMATION²

Pineclad.

- Jowat. [April 2012] *1-component PUR prepolymer Data Sheet*.
- Dulux. [September 2011] *839-Line Machine Primers Safety Data Sheet*.
- Hume Pine (NZ) Ltd. [October 2010] *Tanalised® Azure Limited Structural Guarantee*.
- Lonza. [December 2008] *Vascol Azure treated timber Material Safety Data Sheet*.

Pinetrim XT.

- Dorus. [January 2010] *SL 3503 Material Safety Data Sheet according to 91/155/EEC – ISO 11014-1*.
- Timber Treatment Plant Registration Authority. [June 2017] *Certificate of Registration of Preservative Treatment & Allocated Brand*.
- Merry Garden Holdings Ltd. [n.d.] *Introduction of LOSP H3 treated pine program*.
- AkzoNobel. [May 2017] *Safety Data Sheet WB Opaque Vacuum Gray Primer(EB)*.
- Lonza. [May 2018] *Laboratory Report Wood Preservation Sample Analysis 2018/377*.

- Symbio Laboratories. [June 2018] *Certificate of Analysis B676293-A*.
- AsureQuality. [June 2018] *Certificate of Analysis 18-167017*.
- Merry Garden Holdings Ltd. [May 2018] *H3.1 LOSP Treated & Primed Timber Limited Warranty*.
- Independent Verification Services Labs. [June 2018] *Analysis Report LOSP R29950*.
- Independent Verification Services. [May 2018] *Timber Testing Compliance Report A1-A10 36018A*.
- Independent Verification Services. [May 2018] *Timber Testing Compliance Report B1-B10 36019A*.

2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.

www.humepine.nz



VERSION:

DATE:

Note: Uncontrolled in printed format.

NAME:

Paul Muggleton

POSITION:

Sales Manager

Signed on behalf of Hume Pine:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



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