

SPECIFICATION GUIDE

Version 2.0 April 2023



1. GENERAL

1.1 GENERAL

This specification relates to the installation of the Pineclad and Pineclad TMT Shiplap weatherboard cladding system.

1.2 RELATED WORK

The installation of the Pineclad and Pineclad TMT Bevelback weatherboard and Rebated Bevelback weatherboard cladding systems (the system) relies on:

- timber or lightweight steel framing that complies with the NZ Building Code or existing building work where the designer and installer have satisfied themselves that the existing building is suitable for the intended building work
- the building consent documentation and construction drawings
- fixings that comply with Hume Pine's requirements, and where Hume Pine provides the option of galvanised or s/steel, Section 4 of NZS 3604:2011
- a flexible building wrap, or rigid air barrier as applicable, that complies (as a minimum) with Acceptable Solution E2/AS1¹
- a thermal break if required
- aluminium joinery that meets NZS 4211:2008, or has a current product certificate, or traditional timber joinery as set out in BRANZ bulletin BU481.

1.3 DOCUMENTS

Refer to the following manufacturer's documents:

- the current Pineclad and Pineclad TMT – Vertical Shiplap Weatherboard External Cladding system CodeMark Certificate of Conformity <https://www.building.govt.nz/building-code-compliance/product-assurance-and-multiproof/codemark/product-certificate-register/>
- Hume Pine (NZ) Ltd Pineclad and Pineclad TMT Vertical Weatherboard External Cladding Systems Installation guide
- Hume Pine Weatherboard External Cladding Warranty
- Hume Pine Weatherboard Care and Maintenance guide.

Refer to the following related documents:

- NZS 3604:2011 Timber-framed buildings
- Acceptable Solution E2/AS1
- NASH Design Standard: 2019 Parts 1 and 2
- Build 154:33-34 Build Right Structurally fixed cavity battens.

1.4 GENERAL DESIGN CONSIDERATIONS

The system must be specified in accordance with the Hume Pine Vertical Weatherboard Design Guide, the relevant Hume Pine details and the conditions of the current CodeMark certificate.

¹ Where E2/AS1 is noted, it is to be read as including E2/AS4.

2. PRODUCTS

2.1 PRODUCT DESCRIPTION	<p>The system comprises timber weatherboards, fascia boards, and moulding profiles manufactured from finger-jointed, glued laminated, clear Radiata Pine.</p> <p>Pineclad:</p> <ul style="list-style-type: none"> ➤ is manufactured from NZ grown FSC® certified Radiata pine ➤ is treated to hazard class H3.1 with a light organic solvent preservative (LOSP) ➤ profiles are supplied with a factory applied alkyd pre-primer, ready for sanding and re-priming with an acrylic undercoat and two top coats as part of a three coat paint system. <p>Pineclad TMT:</p> <ul style="list-style-type: none"> ➤ is manufactured in New Zealand from locally sourced Radiata Pine timber ➤ is thermally modified to a temperature of 230 °C ➤ profiles are supplied with <ul style="list-style-type: none"> - a factory applied alkyd pre-primer, ready for sanding and re-priming with an acrylic undercoat and two top coats as part of a three coat paint system, or - a coating of an oil-based stain, ready for re-coating with the oil-based stain following installation, or - finished with a Shou Sugi Ban (charred) finish with an oil coating ready for re-coating with the oil following installation.
2.2 ASSEMBLY COMPONENTS	<p>The following assembly components are supplied by Hume Pine and are available in both the Pineclad and Pineclad TMT brands:</p> <p>Where Pineclad TMT finished with the Shou Sugi Ban system, is specified the profile is 3 mm thicker.</p> <p>Weatherboards</p> <ul style="list-style-type: none"> ➤ 135 mm wide x 18 mm thick Vertical shiplap weatherboards ➤ 180 mm wide x 18 mm thick Vertical shiplap weatherboards ➤ custom-made weatherboard profiles (available on request) <p>Fascia boards</p> <ul style="list-style-type: none"> ➤ 135 mm wide x 18 mm thick fascia boards ➤ 135 mm wide x 29 mm thick fascia boards ➤ 180 mm wide x 18 mm thick fascia boards ➤ 180 mm wide x 29 mm thick fascia boards ➤ 280 mm wide x 18 mm thick fascia boards ➤ 280 mm wide x 29 mm thick fascia boards ➤ custom-made fascia board profiles (available on request) <p>Moulding profiles</p> <ul style="list-style-type: none"> ➤ 28 mm scotia ➤ 35 mm scotia ➤ 40 mm x 10 mm scribe ➤ 40 mm x 18 mm scribe ➤ 30 mm x 15 mm scribe ➤ 60 mm x 18 mm scribe ➤ 83 mm x 18 mm universal box corner

Moulding profiles (continued)

- 100 mm x 18 mm external box corner
- 100 mm x 18 mm internal box corner
- 18 mm x 18 mm eavesmould
- 24 mm x 19 mm Beazley eavesmould
- 45 mm sill
- 65 mm sill
- 30 mm bevelled cornice
- 40 mm bevelled cornice
- 12 mm quad
- 18 mm quad
- 18 mm x 18 mm D4S
- 24 mm x 24 mm D4S
- custom-made moulding profiles (available on request)

Cavity battens supplied by Hume Pine

- 45 x 19 mm finger-jointed H3.1 LOSP Radiata Pine castellated cavity battens.

2.3 ACCESSORY COMPONENTS

The following accessory components are required:

Batten fixings to timber framing

- power driven 65 mm x 2.8 mm hot dipped galvanised nails
- power driven 65 mm x 2.8 mm s/steel annular grooved nails.

Where cladding is to be fixed with s/steel fixings battens to be fixed with s/steel fixings.

Batten fixings to steel framing

- 10 g x 65 mm galvanised or s/steel SDS screws
- 10 g x 65 mm or 55 mm galvanised or s/steel wind screws

Where cladding is to be fixed with s/steel fixings battens to be fixed with s/steel fixings.

Cavity components

- cavity closure strip
- PVC tape bond break.

Weatherboard fixings (timber framing)

For Pineclad systems

- ECKO Jolt Head Screws T-Rex17® 8G x 75 mm S/Steel or galvanised
- Hand driven nails - 75 mm x 3.15 mm hot dipped galvanised nails (smooth) or s/steel (annular grooved)

For Pineclad TMT systems

- ECKO Jolt Head Screws T-Rex17® 8G x 75 or 90 mm S/Steel
- Rose head nails - 75 or 90 mm x 3.15 mm s/steel (annular grooved).

Weatherboard fixings (lightweight steel framing)

For Pineclad systems

- ECKO Jolt Head Screws galvanised or s/steel SDS screws Steelzips 10 g x 65 mm
- 10 g x 55 or 65 mm galvanised or s/steel wing screws



For Pineclad TMT systems

- ECKO Jolt Head Screws s/steel SDS screws Steelzips 10 g x 65 mm
- 10 g x 55 or 65 mm S/Steel wing screws

Coating

- two coat high-grade acrylic paint system. For the Pineclad system the paint system must have a Light Reflective Value (LRV) of greater than 45 %.
- stain or oil coat in accordance with coating supplier's requirements (Pineclad TMT only)
- Shou Sugi Ban with oil coating (Pineclad TMT only)

2.4 SUBSTITUTIONS Substitutions are not permitted to any of the specified components listed in this section.

3. EXECUTION

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- 3.1 QUALIFICATIONS** The installation of the system must be carried out by a competent and experienced builder.
- 3.2 RESTRICTED BUILDING WORK** Where Restricted Building work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by a LBP with the relevant license class.
- 3.3 CHECK RELATED WORK** Confirm the timber or lightweight steel framing has been constructed in accordance with the building consent and construction drawings, or in the case of an existing building, the existing building is suitable for the intended building work.
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4. APPLICATION

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- 4.1 GENERAL** The installation of the system must be completed in accordance with the instructions in the Hume Pine Vertical Weatherboard External Cladding Systems Installation Guide, the relevant Hume Pine details and the building consent documentation.
All conditions contained in the building consent documentation must be met.
- 4.2 RECEIPT OF PRODUCT** Ensure that all product supplied by Hume Pine is:
- free of defects at the time of delivery and
 - handled and stored in accordance with all Hume Pine requirements.
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5. COMPLETION

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- 5.1 CONFIRM COATING** Confirm two coats of high-grade acrylic paint system with a Light Reflective Value (LRV) of greater than 45 % or stain or oil coating including to Shou Sugi Ban (Pineclad TMT only) has been applied in accordance with the coating suppliers requirements.
- 5.2 QUALITY CHECK** ➤ Check the cladding system to ensure all components have been installed correctly and finished in accordance with all Hume Pine requirements.
- 5.3 WARRANTIES** A 15-year manufacturer's warranty is available for the Pineclad and Pineclad TMT Vertical shiplap weatherboard cladding Hume Pine supplied components.
Refer to www.humepine.nz.
- 5.4 INFORMATION FOR CARE AND MAINTENANCE** The system requires regular care and maintenance to maintain the performance and appearance of the cladding. Refer to the Hume Pine Weatherboard Care and Maintenance guide.
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6. PROJECT SPECIFIC SELECTIONS

PROJECT DETAILS

Project address

Lot/DP number

Date of plans

Purpose of plans

Description of building work and reference to drawing numbers

DOCUMENTS SUPPLIED (CHECK WHICH APPLIES)

Hume Pine Vertical Weatherboard
Installation guide

Pineclad & Pineclad TMT – Current Vertical
Weatherboard External Cladding system CodeMark
Certificate of Conformity

Hume Pine External Weatherboard
Cladding Warranty

Hume Pine Weatherboard Care
and maintenance guide

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Location

Wind zone or design pressure (ULS)

Low

Medium

High

Very high

Extra high

Design pressure (ULS)

Exposure zone as per NZS 3604:2011

A

B

C

D

Distance to boundary

Greater than 1 m

less than 1 m to a notional boundary and compliance
through C/AS2

Building

Framing

Timber

Lightweight steel

Existing building assessed at equivalent stiffness to
NZS 3604:2011

Building height

- 10 m or less

ASSEMBLY COMPONENT SELECTIONS

Weatherboard treatment and coating option

- Pineclad
- Pineclad TMT
- Paint coating
- Oil or stain coating
- Shou Sugi Ban

Weatherboards

- 135 mm wide x 18 mm thick Pineclad Vertical shiplap weatherboards
- 135 mm wide x 18 mm thick Pineclad TMT Vertical shiplap weatherboards
- 180 mm wide x 18 mm thick Pineclad Vertical shiplap weatherboards
- 180 mm wide x 18 mm thick Pineclad TMT Vertical shiplap weatherboards
- Custom-made weatherboard profiles

Fascia boards

- 135 mm wide x 18 mm thick fascia boards
- 135 mm wide x 29 mm thick fascia boards
- 180 mm wide x 18 mm thick fascia boards
- 180 mm wide x 29 mm thick fascia boards
- 280 mm wide x 18 mm thick fascia boards
- 280 mm wide x 29 mm thick fascia boards
- Custom-made fascia board profiles

Moulding profiles

- 28 mm scotia
- 35 mm scotia
- 40 mm x 10 mm scribe
- 40 mm x 18 mm scribe
- 30 mm x 15 mm scribe
- 60 mm x 18 mm scribe

- 83 mm x 18 mm universal box corner
- 100 mm x 18 mm external box corner
- 100 mm x 18 mm internal box corner
- 18 mm x 18 mm eavesmould
- 24 mm x 19 mm Beazley eavesmould
- 42 mm sill
- 65 mm sill
- 30 mm bevelled cornice
- 40 mm bevelled cornice
- 12 mm quad
- 18 mm quad
- 18 mm x 18 mm D4S
- 24 mm x 24 mm D4S

Battens

- 45 x 19 mm finger-jointed H3.1 LOSP Radiata Pine castellated cavity battens

Batten fixings to timber framing

- 65 mm x 2.8 mm galvanized jolt head nails
- Power driven 65 mm x 2.8 mm s/steel annular grooved nails

Batten fixings to steel framing

- 12 g x 65 mm T17 stainless steel screws

Cavity components

- Cavity closure strip
- PVC tape bond break

Weatherboard fixings to timber framing

For Pineclad systems

- ECKO Jolt Head Screws T-Rex17® 8G x 75 mm S/Steel or galvanised
- Hand driven nails - 75 mm x 3.15 mm hot dipped galvanised nails (smooth) or s/steel (annular grooved)

For Pineclad TMT systems

- ECKO Jolt Head Screws T-Rex17® 8G x 75 or 90 mm S/Steel
- Rose head nails - 75 or 90 mm x 3.15 mm s/steel (annular grooved)

Weatherboard fixings to steel framing

For Pineclad systems

ECKO Jolt Head Screws galvanised or s/steel SDS screws Steelzips 10 g x 65 mm

10 g x 55 or 65 mm galvanised or s/steel wing screws

For Pineclad TMT systems

ECKO Jolt Head Screws s/steel SDS screws Steelzips 10 g x 65 mm

10 g x 55 or 65 mm S/Steel wing screws

Coating

Undercoat (Pineclad only)

Two-coat high-grade acrylic paint system with a Light Reflective Value (LRV) of greater than 45 %.

Oil or stain coating (Pineclad TMT only)

Shou Sugi Ban with oil coating (Pineclad TMT only)

DETAILS SELECTION

Cavity

<input type="checkbox"/>	HPCSV-C1	Batten structural fixing to timber frame	<input type="checkbox"/>	HPCSV-D8a	Shiplap W-Board Internal Butt Joint Corner
<input type="checkbox"/>	HPCSV-C2	Shiplap W-Board fixing to timber framing	<input type="checkbox"/>	HPCSV-D8b	Shiplap W-Board Internal Metal Corner
<input type="checkbox"/>	HPCSV-C3	Batten fixing to timber lightweight steel framing	<input type="checkbox"/>	HPCSV-D8c	Shiplap W-Board Internal > 90 Corner
<input type="checkbox"/>	HPCSV-C4	Shiplap W-Board fixing to lightweight steel	<input type="checkbox"/>	HPCSV-D8d	Shiplap W-Board Internal Corner (vertical to horizontal cladding)
<input type="checkbox"/>	HPCSV-C5	Shiplap W-Board fixing to timber framing	<input type="checkbox"/>	HPCSV-D9a	Shiplap W-Board to other cladding (cavity-direct)
<input type="checkbox"/>	HPCSV-C6	Shiplap W-Board fixing to timber framing	<input type="checkbox"/>	HPCSV-D9b	Shiplap W-Board to other cladding (cavity-cavity)
<input type="checkbox"/>	HPCSV-D1a	Shiplap W-Board batten layout	<input type="checkbox"/>	HPCSV-D9c	Shiplap W-Board to metal cladding (cavity-cavity)
<input type="checkbox"/>	HPCSV-D2a	Shiplap W-Board threshold to concrete slab	<input type="checkbox"/>	HPCSV-D9d	Shiplap W-Board scarf joint
<input type="checkbox"/>	HPCSV-D2b	Shiplap W-Board threshold to timber subfloor	<input type="checkbox"/>	HPCSV-D10a	Shiplap W-Board parapet junction
<input type="checkbox"/>	HPCSV-D3a	Shiplap W-Board Soffit (horizontal) junction	<input type="checkbox"/>	HPCSV-D10b	Shiplap W-Board enclosed eck junction
<input type="checkbox"/>	HPCSV-D3b	Shiplap W-Board Soffit (raking) junction	<input type="checkbox"/>	HPCSV-D10c	Shiplap W-Board enclosed deck to wall junction
<input type="checkbox"/>	HPCSV-D4	Shiplap W-Board Midfloor junction	<input type="checkbox"/>	HPCSV-D10d	Shiplap W-Board saddle flashing junction
<input type="checkbox"/>	HPCSV-D5a	Shiplap W-Board Window & Door head junction	<input type="checkbox"/>	HPCSV-D11a	Shiplap W-Board non-cantilevered deck junction
<input type="checkbox"/>	HPCSV-D5b	Shiplap W-Board Window sill junction	<input type="checkbox"/>	HPCSV-D11b	Shiplap W-Board Cantilevered deck junction
<input type="checkbox"/>	HPCSV-D5c	Shiplap W-Board Window & Door jamb junction	<input type="checkbox"/>	HPCSV-D12a	Shiplap W-Board Pipe penetration (flashing tape)
<input type="checkbox"/>	HPCSV-D6a	Shiplap W-Board Door sill concrete slab junction	<input type="checkbox"/>	HPCSV-D12b	Shiplap W-Board Pipe penetration (flange plate)
<input type="checkbox"/>	HPCSV-D6b	Shiplap W-Board Door sill timber subfloor junction	<input type="checkbox"/>	HPCSV-D13a	Shiplap W-Board Meter Box junctions (Quickflash kit)
<input type="checkbox"/>	HPCSV-D7a	Shiplap W-Board External Box Corner	<input type="checkbox"/>	HPCSV-D13b	Shiplap W-Board Roof junction
<input type="checkbox"/>	HPCSV-D7b	Shiplap W-Board External Butt Joint Corner	<input type="checkbox"/>	HPCSV-D13c	Shiplap W-Board Roof gable junction
<input type="checkbox"/>	HPCSV-D7c	Shiplap W-Board External > 90 Corner			
<input type="checkbox"/>	HPCSV-D7d	Shiplap W-Board External Corner (vertical to horizontal cladding)			

Direct Fixed

<input type="checkbox"/>	HPDSV-C1	Shiplap W-Board fixing to timber framing	<input type="checkbox"/>	HPDSV-D8c	Shiplap W-Board Internal > 90 Corner
<input type="checkbox"/>	HPDSV-C2	Shiplap W-Board fixing to lightweight steel	<input type="checkbox"/>	HPDSV-D8d	Shiplap W-Board Internal Corner (vertical to horizontal cladding)
<input type="checkbox"/>	HPDSV-C3	Shiplap W-Board fixing to timber framing	<input type="checkbox"/>	HPDSV-D9a	Shiplap W-Board to other cladding (direct-direct)
<input type="checkbox"/>	HPDSV-C4	Shiplap W-Board fixing to lightweight steel	<input type="checkbox"/>	HPDSV-D9b	Shiplap W-Board scarf joint
<input type="checkbox"/>	HPDSV-D1a	Shiplap W-Board structural layout (direct fixed)	<input type="checkbox"/>	HPDSV-D10a	Shiplap W-Board parapet junction
<input type="checkbox"/>	HPDSV-D2a	Shiplap W-Board threshold to concrete slab	<input type="checkbox"/>	HPDSV-D10b	Shiplap W-Board enclosed deck junction
<input type="checkbox"/>	HPDSV-D2b	Shiplap W-Board threshold to timber subfloor	<input type="checkbox"/>	HPDSV-D10c	Shiplap W-Board enclosed deck to wall junction
<input type="checkbox"/>	HPDSV-D3a	Shiplap W-Board Soffit (horizontal) junction	<input type="checkbox"/>	HPDSV-D10d	Shiplap W-Board saddle flashing junction
<input type="checkbox"/>	HPDSV-D3b	Shiplap W-Board Soffit (raking) junction	<input type="checkbox"/>	HPDSV-D11a	Shiplap W-Board non-cantilevered deck junction
<input type="checkbox"/>	HPDSV-D4	Shiplap W-Board Midfloor junction	<input type="checkbox"/>	HPDSV-D11b	Shiplap W-Board Cantilevered deck junction
<input type="checkbox"/>	HPDSV-D5a	Shiplap W-Board Window & Door head junction	<input type="checkbox"/>	HPDSV-D12a	Shiplap W-Board Pipe penetration (flashing tape)
<input type="checkbox"/>	HPDSV-D5b	Shiplap W-Board Window sill junction	<input type="checkbox"/>	HPDSV-D12b	Shiplap W-Board Pipe penetration (flange plate)
<input type="checkbox"/>	HPDSV-D5c	Shiplap W-Board Window & Door jamb junction	<input type="checkbox"/>	HPDSV-D13a	Shiplap W-Board Meter Box junctions (Quickflash kit)
<input type="checkbox"/>	HPDSV-D6a	Shiplap W-Board Door sill concrete slab junction	<input type="checkbox"/>	HPDSV-D13b	Shiplap W-Board Roof junction
<input type="checkbox"/>	HPDSV-D6b	Shiplap W-Board Door sill timber subfloor junction	<input type="checkbox"/>	HPDSV-D13c	Shiplap W-Board Roof gable junction
<input type="checkbox"/>	HPDSV-D7a	Shiplap W-Board External Box Corner			
<input type="checkbox"/>	HPDSV-D7b	Shiplap W-Board External Butt Joint Corner			
<input type="checkbox"/>	HPDSV-D7c	Shiplap W-Board External > 90 Corner			
<input type="checkbox"/>	HPDSV-D7d	Shiplap W-Board External Corner (vertical to horizontal cladding)			
<input type="checkbox"/>	HPDSV-D8a	Shiplap W-Board Internal Butt Joint Corner			
<input type="checkbox"/>	HPDSV-D8b	Shiplap W-Board Internal Metal Corner			