Pineclad and Pineclad TMT Board and Batten Weatherboard Cladding System

SPECIFICATION GUIDE

Version 2.0 April 2023

1. GENERAL

1.1	GENERAL	This specification relates to the installation of the Pineclad and Pineclad TMT Board and Batten 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/AS1[1] › 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 & Pineclad TMT – Vertical 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 Vertical Weatherboard 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 and the relevant Hume Pine details.

CODEMARK™ GM-CM30106-RevC

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

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

The system comprises timber weatherboards, fascia boards, and moulding profiles manufactured from finger-jointed, glued laminated, clear Radiata Pine.

Pineclad:

- 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.

Pineclad TMT:

- is manufactured in New Zealand from locally sourced Radiata Pine timber
- is thermally modified to a temperature of 230 °C
- components are supplied pre-sanded and primed with an oil-based factory applied primer ready for undercoating and top-coating with a high-grade acrylic, two coat systemdelete and replace with
- 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, or
  - a coating of an oil-bsed 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

The following assembly components are supplied by Hume Pine and are available in both the Pineclad and Pineclad TMT brand:

Where Pineclad TMT finished with the Shou Sugi Ban system, is specified the profile is 3 mm thicker.

Weatherboards

- 180 mm wide x 18 mm thick Board
- 65 mm wide x 18 mm thick Batten
- custom-made weatherboard profiles (available on request)

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 (available on request) Moulding profiles

Moulding profiles

- 35 mm scotia
- 28 mm scotia
- 60 mm x 18 mm scriber
- 40 mm x 10 mm scriber

Moulding profiles (continued)

- 40 mm x 18 mm scriber
- 30 mm x 15 mm scriber
- 83 mm x 83 mm universal box corner
- 83 mm x 83 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
- 40 mm x 27 mm eavesmould
- 24 mm x 19 mm Beazley mould
- 30 mm bevelled cornice
- 40 mm bevelled cornice
- 40 mm rustic plug
- 40 mm x 18 mm D4S
- 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 mm 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 with 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 (Pineclad TMT only)

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

3. EXECUTION

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, that the existing building is suitable for the intended building work.

4. APPLICATION

4.1	GENERAL	The installation of the system must be completed in accordance with the instructions in the Hume Pine Horizontal Weatherboard 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.

5. COMPLETION

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 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 Board and Batten 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 performance and appearance of the cladding. Refer to the Hume Pine Weatherboard Care and Maintenance guide.

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 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 options

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

Weatherboards

- [ ] 180 mm wide Pineclad Board
- [ ] 65 mm wide Pineclad Batten
- [ ] 180 mm wide Pinetrim XT Board
- [ ] 65 mm wide Pinetrim XT Batten
- [ ] 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

- [ ] 35 mm scotia
- [ ] 28 mm scotia
- [ ] 60 mm x 18 mm scriber
- [ ] 40 mm x 10 mm scriber
- [ ] 40 mm x 18 mm scriber
- [ ] 30 mm x 15 mm scriber
- [ ] 83 mm x 83 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
- [ ] 40 mm x 27 mm eavesmould
- [ ] 24 mm x 19 mm Beazley mould
- [ ] 42 mm sill
- [ ] 65 mm sill
- [ ] 30 mm bevelled cornice
- [ ] 40 mm bevelled cornice
- [ ] 40 mm rustic plug
- [ ] 40 mm x 18 mm D4S
- [ ] 18 mm x 18 mm D4S
- [ ] 24 mm x 24 mm D4S
- [ ] Custom-made moulding profiles

Battens

- [ ] 45 mm 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

Board and Batten 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)

Board and Batten 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

- [ ] Two coat high-grade acrylic paint system with a Light Reflective Value (LRV) greater than 45 %
- [ ] Oil or stain coating (Pineclad TMT only)
- [ ] Shou Sugi Ban with oil coating (Pineclad TMT only)

DETAILS SELECTION

Cavity

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

Direct Fixed

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