Pineclad & Pineclad TMT
Rusticated Weatherboard Cladding System

SPECIFICATION GUIDE

Version 2.1 May 2024

1. GENERAL

1.1 General

This Specification relates to the installation of the Pineclad and Pineclad TMT Rusticated Weatherboard Cladding Systems.

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 and Pineclad TMT – Horizontal Weatherboard External Cladding System CodeMark™ Certificate of Conformity **https://www.building.govt.nz/building-codecompliance/product-assurance-and-multiproof/codemark/product-certificate-register/**
- Hume Pine Horizontal Weatherboard Installation Guide.
- Hume Pine Weatherboard External Cladding Warranty
- Hume Pine Weatherboard Care & 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 Horizontal Weatherboard Design Guide, the relevant Hume Pine details and all relevant conditions of the current CodeMark™ Certificate.

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

CodeMark CMNZ30105

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.

Pinelad:

- 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.
- 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 brands:

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

Weatherboards:

- 135mm wide Rusticated Weatherboards
- 180mm wide Rusticated Weatherboards
- Custom-made Weatherboard profiles (available on request)

Fascia Boards:

- 135mm wide x 18mm thick Fascia Boards
- 135mm wide x 29mm thick Fascia Boards
- 180mm wide x 18mm thick Fascia Boards
- 180mm wide x 29mm thick Fascia Boards
- 280mm wide x 18mm thick Fascia Boards
- 280mm wide x 29mm thick Fascia Boards
- Custom-made Fascia Board profiles (available on request)

2.2 Assembly Components (cont'd)

Moulding Profiles

- 35mm Scotia
- 28mm Scotia
- 60mm x 18mm Scriber
- 40mm x 10mm Scriber
- 40mm x 18mm Scriber
- 30mm x 15mm Scriber
- 83mm x 83mm Universal Box Corner
- 100mm x 18mm External Box Corner
- 100mm x 18mm Internal Box Corner
- 18 x 18mm Eavesmould
- 40 x 27mm Eavesmould
- 24 x 19mm Beazley Mould
- 42mm Sill
- 65mm Sill
- 30mm Bevelled Cornice
- 40mm Bevelled Cornice
- 40mm Rustic Plug
- 40mm x 18mm D4S
- 18mm x 18mm D4S
- 24mm x 24mm D4S
- Custom-made Moulding Profiles (available on request)

Cavity Battens Supplied by Hume Pine:

- 45mm x 19mm finger-jointed H3.1 LOSP Radiata Pine Cavity Battens

2.3 Accessory Components

The following accessory components are required:

Batten Fixings to Timber Framing:

- Power driven 65mm x 2.8mm hot dipped galvanised nails.
- Power driven 65mm x 2.8mm 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:

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

2.3 Accessory Components

Weatherboard Fixings (Timber Framing):

For Pineclad Systems:

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

For Pineclad TMT Systems:

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

Weatherboard Fixings (Steel Framing)

For Pineclad Systems:

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

For Pineclad TMT Systems:

- ECKO Jolt Head Screws s/steel SDS screws Steelzips 10g x 65mm.
- 10g x 55 or 65mm 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 and oil coating (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 Rusticated Weatherboard Cladding Hume Pine supplied components. Refer to **www.humepine.nz**.
5.4	Information for Care & Maintenance	The system requires regular care and maintenance to maintain performance and appearance of the cladding. Refer to the Hume Pine Weatherboard Care & Maintenance Guide.

6. PROJECT SPECIFIC SELECTIONS

Project Details

Project Address

Lot/DP Number

Date of Plans

Purpose of Plans

Description of Building Work & Reference to Drawing Numbers

Documents Supplied (Check Which Applies)

- ☐ Hume Pine Horizontal Weatherboard Installation Guide
- ☐ Pineclad & Pineclad TMT – Current Horizontal Weatherboard External Cladding System CodeMark™ Certificate of Conformity
- ☐ Hume Pine External Weatherboard Cladding Warranty
- ☐ Hume Pine Weatherboard Care & 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 1m
- ☐ Less than 1m to a Notional Boundary & Compliance through C/AS2

BUILDING:

Framing:

- ☐ Timber
- ☐ Lightweight Steel
- ☐ Existing building assessed at equivalent stiffness to NZS 3604:2011

Building Height:

- ☐ 10m or Less

Assembly Component Selections (Check Which Applies)

WEATHERBOARD TREATMENT & COATING OPTIONS:

- [ ] Pineclad
- [ ] Pineclad TMT
- [ ] Paint Coating
- [ ] Oil or Stain Coating
- [ ] Shou Sugi Ban

WEATHERBOARDS:

- [ ] 135mm wide Pineclad Rusticated Weatherboards
- [ ] 135mm wide Pineclad TMT Rusticated Weatherboards
- [ ] 180mm wide Pineclad Rusticated Weatherboards
- [ ] 180mm wide Pineclad TMT Rusticated Weatherboards
- [ ] Custom-made Weatherboards profiles

FASCIA BOARDS:

- [ ] 135mm wide x 18mm thick Fascia Boards
- [ ] 135mm wide x 29mm thick Fascia Boards
- [ ] 180mm wide x 18mm thick Fascia Boards
- [ ] 180mm wide x 29mm thick Fascia Boards
- [ ] 280mm wide x 18mm thick Fascia Boards
- [ ] 280mm wide x 29mm thick Fascia Boards
- [ ] Custom-made Fascia Board profiles

MOULDING PROFILES:

- [ ] 35mm Scotia
- [ ] 28mm Scotia
- [ ] 60 x 18mm Scriber
- [ ] 40 x 10mm Scriber
- [ ] 40 x 18mm Scriber
- [ ] 30 x 15mm Scriber
- [ ] 83mm x 83mm Universal Box Corner
- [ ] 100mm x 18mm External Box Corner
- [ ] 100mm x 18mm Internal Box Corner

MOULDING PROFILES (cont'd):

- [ ] 18 x 18mm Eavesmould
- [ ] 40 x 27mm Eavesmould
- [ ] 24 x 19mm Beazley Mould
- [ ] 42mm Sill
- [ ] 65mm Sill
- [ ] 30mm Bevelled Cornice
- [ ] 40mm Bevelled Cornice
- [ ] 40mm Rustic plug
- [ ] 40mm x 18mm D4S
- [ ] 18mm x 18mm D4S
- [ ] 24mm x 24mm D4S
- [ ] Custom-made Moulding Profiles

BATTENS:

- [ ] 45 x 19mm finger-jointed H3.1 LOSP Radiata Pine Cavity Battens

Batten Fixings:

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

Batten Fixings to Steel Framing:

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

CAVITY COMPONENTS:

- [ ] Cavity closure strip
- [ ] PVC tape bond break

WEATHERBOARD FIXINGS:

- [ ] Galvanized 75mm x 3.15mm jolt head nails

WEATHERBOARD FIXINGS TO TIMBER FRAMING:

For Pineclad Systems:

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

For Pineclad TMT Systems:

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

WEATHERBOARD FIXINGS TO STEEL FRAMING:

For Pineclad Systems:

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

For Pineclad TMT Systems:

- [ ] ECKO Jolt Head Screws s/steel SDS screws Steelzips 10g x 65mm
- [ ] 10g x 55 or 65mm 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:

- ☐ HPCRH-C1 Batten Structural Fixing to Timber Frame
- ☐ HPCRH-C2 Rusticated Weatherboard Fixing to Timber Framing
- ☐ HPCRH-C3 Rusticated Weatherboard Fixing to Timber Framing
- ☐ HPCRH-C4 Rusticated Weatherboard Fixing to Lightweight Steel
- ☐ HPCRH-C5 Rusticated Weatherboard Fixing to Timber Framing
- ☐ HPCRH-C6 Rusticated Weatherboard Fixing to Timber Framing
- ☐ HPCRH-D1a Rusticated Weatherboard Batten Layout
- ☐ HPCRH-D2a Rusticated Weatherboard Threshold to Concrete Slab
- ☐ HPCRH-D2b Rusticated Weatherboard Threshold to Timber Subfloor
- ☐ HPCRH-D3a Rusticated Weatherboard Soffit (Horizontal) Junction
- ☐ HPCRH-D3b Rusticated Weatherboard Soffit (Raking) Junction
- ☐ HPCRH-D4 Rusticated Weatherboard Midfloor Junction
- ☐ HPCRH-D5a Rusticated Weatherboard Window & Door Head Junction
- ☐ HPCRH-D5b Rusticated Weatherboard Window Sill Junction
- ☐ HPCRH-D5c Rusticated Weatherboard Window & Door Jamb Junction
- ☐ HPCRH-D6a Rusticated Weatherboard Door Sill Concrete Slab Junction
- ☐ HPCRH-D6b Rusticated Weatherboard Door Sill Timber Subfloor Junction
- ☐ HPCRH-D7a Rusticated Weatherboard External Box Corner
- ☐ HPCRH-D7b Rusticated Weatherboard External Butt Joint Corner
- ☐ HPCRH-D7c Rusticated Weatherboard External > 90 Corner
- ☐ HPCRH-D7d Rusticated Weatherboard External Corner (Vertical to Horizontal Cladding)
- ☐ HPCRH-D8a Rusticated Weatherboard Internal Butt Joint Corner
- ☐ HPCRH-D8b Rusticated Weatherboard Internal Metal Corner
- ☐ HPCRH-D8c Rusticated Weatherboard Internal > 90 Corner
- ☐ HPCRH-D8d Rusticated Weatherboard Internal Corner (Vertical to Horizontal Cladding)
- ☐ HPCRH-D9a Rusticated Weatherboard to Other Cladding (Cavity-Direct)
- ☐ HPCRH-D9b Rusticated Weatherboard to Other Cladding (Cavity-Cavity)
- ☐ HPCRH-D9c Rusticated Weatherboard to Metal Cladding (Cavity-Cavity)
- ☐ HPCRH-D9d Rusticated Weatherboard Scarf Joint
- ☐ HPCRH-D10a Rusticated Weatherboard Parapet Junction
- ☐ HPCRH-D10b Rusticated Weatherboard Enclosed Deck Junction
- ☐ HPCRH-D10c Rusticated Weatherboard Enclosed Deck to Wall Junction
- ☐ HPCRH-D10d Rusticated Weatherboard Saddle Flashing Junction
- ☐ HPCRH-D11a Rusticated Weatherboard Noncantilevered Deck Junction
- ☐ HPCRH-D11b Rusticated Weatherboard Cantilevered Deck Junction
- ☐ HPCRH-D12a Rusticated Weatherboard Pipe Penetration (Flashing Tape)
- ☐ HPCRH-D12b Rusticated Weatherboard Pipe Penetration (Flange Plate)
- ☐ HPCRH-D13a Rusticated Weatherboard Meter Box Junctions (Quickflash Kit)
- ☐ HPCRH-D13b Rusticated Weatherboard Roof Junction
- ☐ HPCRH-D13c Rusticated Weatherboard Roof Gable Junction

Details Selection (continued)

DIRECT FIXED:

- ☐ HPDRH-C1 Rusticated Weatherboard Fixing to Timber Framing
- ☐ HPDRH-C2 Rusticated Weatherboard Fixing to Lightweight Steel
- ☐ HPDRH-C3 Rusticated Weatherboard Fixing to Timber Framing
- ☐ HPDRH-C4 Rusticated Weatherboard Fixing to Lightweight Steel
- ☐ HPDRH-D1a Rusticated Weatherboard Structutral Layout (Direct Fixed)
- ☐ HPDRH-D2a Rusticated Weatherboard Threshold to Concrete Slab
- ☐ HPDRH-D2b Rusticated Weatherboard Threshold to Timber Subfloor
- ☐ HPDRH-D3a Rusticated Weatherboard Soffit (Horizontal) Junction
- ☐ HPDRH-D3b Rusticated Weatherboard Soffit (Raking) Junction
- ☐ HPDRH-D4 Rusticated Weatherboard Midfloor Junction
- ☐ HPDRH-D5a Rusticated Weatherboard Window & Door Head Junction
- ☐ HPDRH-D5b Rusticated Weatherboard Window Sill Junction
- ☐ HPDRH-D5c Rusticated Weatherboard Window & Door Jamb Junction
- ☐ HPDRH-D6a Rusticated Weatherboard Door Sill Concrete Slab Junction
- ☐ HPDRH-D6b Rusticated Weatherboard Door Sill Timber Subfloor Junction
- ☐ HPDRH-D7a Rusticated Weatherboard External Box Corner
- ☐ HPDRH-D7b Rusticated Weatherboard External Butt Joint Corner
- ☐ HPDRH-D7c Rusticated Weatherboard External > 90 Corner
- ☐ HPDRH-D7d Rusticated Weatherboard External Corner (Vertical to Horizontal Cladding)
- ☐ HPDRH-D8a Rusticated Weatherboard Internal Butt Joint Corner
- ☐ HPDRH-D8b Rusticated Weatherboard Internal Metal Corner
- ☐ HPDRH-D8c Rusticated Weatherboard Internal > 90 Corner
- ☐ HPDRH-D8d Rusticated Weatherboard Internal Corner (Vertical to Horizontal Cladding)
- ☐ HPDRH-D9a Rusticated Weatherboard to Other Cladding (Direct-Direct)
- ☐ HPDRH-D9b Rusticated Weatherboard Scarf Joint
- ☐ HPDRH-D10a Rusticated Weatherboard Parapet Junction
- ☐ HPDRH-D10b Rusticated Weatherboard Enclosed Deck Junction
- ☐ HPDRH-D10c Rusticated Weatherboard Enclosed Deck to Wall Junction
- ☐ HPDRH-D10d Rusticated Weatherboard Saddle Flashing Junction
- ☐ HPDRH-D11a Rusticated Weatherboard Non-cantilevered Deck Junction
- ☐ HPDRH-D11b Rusticated Weatherboard Cantilevered Deck Junction
- ☐ HPDRH-D12a Rusticated Weatherboard Pipe Penetration (Flashing Tape)
- ☐ HPDRH-D12b Rusticated Weatherboard Pipe Penetration (Flange Plate)
- ☐ HPDRH-D13a Rusticated Weatherboard Meter Box Junctions (Quickflash Kit)
- ☐ HPDRH-D13b Rusticated Weatherboard Roof Junction
- ☐ HPDRH-D13c Rusticated Weatherboard Roof Gable Junction

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