

# SPECIFICATION GUIDE

Version 2.0 April 2023



## 1. GENERAL

**1.1 GENERAL** This specification relates to the installation of the Pineclad and Pineclad TMT Rusticated 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<sup>1</sup>
- › 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-code-compliance/product-assurance-and-multiproof/codemark/product-certificate-register/>
- › Hume Pine Horizontal 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 Horizontal Weatherboard Design guide, the relevant Hume Pine details and all relevant conditions of the current CodeMark certificate.

<sup>1</sup> 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"> <li>➤ is manufactured from NZ grown FSC®® certified Radiata pine.</li> <li>➤ is treated to hazard class H3.1 with a light organic solvent preservative (LOSP)</li> <li>➤ 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.</li> </ul> <p>Pineclad TMT:</p> <ul style="list-style-type: none"> <li>➤ is manufactured in New Zealand from locally sourced Radiata Pine timber</li> <li>➤ is thermally modified to a temperature of 230 °C</li> <li>➤ profiles are supplied with <ul style="list-style-type: none"> <li>- 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</li> <li>- a coating of an oil-based stain, ready for re-coating with the oil-based stain following installation, or</li> <li>- finished with a Shou Sugi Ban (charred) finish with an oil coating ready for re-coating with the oil following installation.</li> </ul> </li> </ul> |
| 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"> <li>➤ 135 mm wide Rusticated weatherboards</li> <li>➤ 180 mm wide Rusticated weatherboards</li> <li>➤ custom-made weatherboard profiles (available on request)</li> </ul> <p>Fascia boards</p> <ul style="list-style-type: none"> <li>➤ 135 mm wide x 18 mm thick fascia boards</li> <li>➤ 135 mm wide x 29 mm thick fascia boards</li> <li>➤ 180 mm wide x 18 mm thick fascia boards</li> <li>➤ 180 mm wide x 29 mm thick fascia boards</li> <li>➤ 280 mm wide x 18 mm thick fascia boards</li> <li>➤ 280 mm wide x 29 mm thick fascia boards</li> <li>➤ custom-made fascia board profiles (available on request)</li> </ul> <p>Moulding profiles</p> <ul style="list-style-type: none"> <li>➤ 28 mm scotia</li> <li>➤ 35 mm scotia</li> <li>➤ 60 mm x 18 mm scribe</li> <li>➤ 40 mm x 10 mm scribe</li> <li>➤ 40 mm x 18 mm scribe</li> <li>➤ 30 mm x 15 mm scribe</li> <li>➤ 83 mm x 83 mm universal box corner</li> </ul>   |

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
- 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 (available on request)

Cavity battens supplied by Hume Pine

- 45 mm x 19 mm 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 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<sup>®</sup> 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<sup>®</sup> 8G x 75 or 90 mm S/Steel, or
- Rose head nails - 75 or 90 mm x 3.15 mm s/steel (annular grooved)

Weatherboard fixings (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 with oil coating (Pineclad TMT only)

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

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

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### 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.

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### 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](http://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.

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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 Horizontal  
Weatherboard Installation guide

Pineclad and Pineclad TMT – Current Horizontal  
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 options

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

#### Weatherboards

- 135 mm wide Pineclad Rusticated weatherboards
- 135 mm wide Pineclad TMT Rusticated weatherboards
- 180 mm wide Pineclad Rusticated weatherboards
- 180 mm wide Pineclad TMT Rusticated 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

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

- 40 mm x 18 mm scribe
- 30 mm x 15 mm scribe
- 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
- 25 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 cavity battens

#### Batten fixings

- 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

- 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

#### Cavity components

- Cavity closure strip
- PVC tape bond break

#### Weatherboard fixings

- Galvanized 75 mm x 3.15 mm jolt head nails

### Weatherboard fixings for 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 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 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

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

## Direct Fixed

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