

SPECIFICATION GUIDE

Version 2.0 April 2023



1. GENERAL

1.1 GENERAL	This specification relates to the installation of the Pineclad and Pineclad TMT Bevelback and Rebated Bevelback weatherboard cladding systems.
1.2 RELATED WORK	<p>The installation of the Pineclad and Pineclad TMT Bevelback weatherboard and Rebated Bevelback weatherboard cladding systems (the system) relies on:</p> <ul style="list-style-type: none">› 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	<p>Refer to the following manufacturer's documents:</p> <ul style="list-style-type: none">› the current Pineclad & 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. <p>Refer to the following related documents:</p> <ul style="list-style-type: none">› 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.

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

The system comprises Bevelback and Rebated Bevelback 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
- 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-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

The following 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 3 mm thicker.

Weatherboards

135 mm wide Bevelback weatherboards

142 mm wide Bevelback weatherboards

180 mm wide Bevelback weatherboards

187 mm wide Bevelback weatherboards

135 mm wide Rebated Bevelback weatherboards

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

35 mm scotia

28 mm scotia

60 x 18 mm scribe

40 x 10 mm scribe

40 x 18 mm scribe

30 x 15 mm scribe

135 mm x 18 mm pro-scribe

142 mm x 18 mm pro-scribe

180 mm x 18 mm pro-scribe

187 mm x 18 mm pro-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 x 18 mm eavesmould

40 x 27 mm eavesmould

24 x 19 mm Beazley mould

42 mm sill

65 mm sill

30 mm bevelled cornice

40 mm bevelled cornice

25 mm cant strip

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 x 19 mm finger-jointed H3.1 LOSP Radiata Pine cavity battens (solid).

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, or
- 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, or
- 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 screwsCoating

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 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 provisions apply, 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	<p>The installation of the system must be completed in accordance with the instructions in the Hume Pine Horizontal Weatherboard Installation Guide, relevant Hume Pine details and the building consent documentation.</p> <p>All conditions contained in the building consent documentation must be met.</p>
4.2 RECEIPT OF PRODUCT	<p>Ensure that all product supplied by Hume Pine is:</p> <ul style="list-style-type: none"> ➤ 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	<p>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.</p>
5.2 QUALITY CHECK	<ul style="list-style-type: none"> ➤ Check the cladding system to ensure all components have been installed and finished in accordance with all Hume Pine requirements.
5.3 WARRANTIES	<p>A 15-year manufacturer's warranty is available for the Hume Pine supplied components. Refer to www.humepine.nz.</p>
5.4 INFORMATION FOR CARE AND MAINTENANCE	<p>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.</p>

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)

- | | |
|---|---|
| <input type="checkbox"/> Hume Pine Horizontal Weatherboard Installation Guide | <input type="checkbox"/> Pineclad & Pineclad TMT – Current Horizontal Weatherboard External Cladding system CodeMark™ Certificate of Conformity |
| <input type="checkbox"/> Hume Pine External Weatherboard Cladding Warranty | <input type="checkbox"/> Hume Pine Care and Maintenance Guide |

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Location

Wind zone or design pressure (ULS)

- | | | | |
|-------------------------------------|--|-------------------------------|------------------------------------|
| <input type="checkbox"/> Low | <input type="checkbox"/> Medium | <input type="checkbox"/> High | <input type="checkbox"/> Very high |
| <input type="checkbox"/> Extra high | <input type="checkbox"/> Design pressure (ULS) | | |

Exposure zone as per NZS 3604:2011

- | | | | |
|----------------------------|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> A | <input type="checkbox"/> B | <input type="checkbox"/> C | <input type="checkbox"/> D |
|----------------------------|----------------------------|----------------------------|----------------------------|

Distance to boundary

- | | |
|---|--|
| <input type="checkbox"/> Greater than 1 m | <input type="checkbox"/> Less than 1 m to a notional boundary and compliance through C/AS2 |
|---|--|

Building

Framing

- | | | |
|---------------------------------|--|--|
| <input type="checkbox"/> Timber | <input type="checkbox"/> Lightweight steel | <input type="checkbox"/> 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
- Oil/stain
- Shou sugi ban

Weatherboards

- 135 mm wide Pineclad Bevelback weatherboards
- 135 mm wide Pineclad TMT Bevelback weatherboards
- 142 mm wide Pineclad Bevelback weatherboards
- 142 mm wide Pineclad TMT Bevelback weatherboards
- 180 mm wide Pineclad Bevelback weatherboards
- 180 mm wide Pineclad TMT Bevelback weatherboards
- 187 mm wide Pineclad Bevelback weatherboards
- 187 mm wide Pineclad TMT Bevelback weatherboards
- 135 mm wide Pineclad Rebated Bevelback weatherboards
- 135 mm wide Pineclad TMT Rebated Bevelback 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 x 18 mm scribe


 40 x 10 mm scribe


 40 x 18 mm scribe

 30 x 15 mm scribe

 135 mm x 18 mm pro-scribe

 142 mm x 18 mm pro-scribe

 180 mm x 18 mm pro-scribe


 187 mm x 18 mm pro-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 x 18 mm eavesmould

 40 x 27 mm eavesmould

 24 x 19 mm Beazley mould


 42 mm sill


 65 mm sill


 30 mm bevelled cornice


 40 mm bevelled cornice

 25 mm cant strip

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

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

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

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)

For TMT systems

- ECKO Jolt Head Screws T-Rex17[®] 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 to steel framing

For Pineclad systems

- ECKO Jolt Head Screws galvanised or s/steel SDS screws Steelzips 10 g x 65 mm, or
- 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"/>	HPCBBH-C1	Batten structural fixing to timber frame	<input type="checkbox"/>	HPCBBH-D9b	Bevelback W-Board to other cladding (cavity-cavity)
<input type="checkbox"/>	HPCBBH-C2	Bevelback W-Board fixing to timber framing	<input type="checkbox"/>	HPCBBH-D9c	Bevelback W-Board to metal cladding (cavity-cavity)
<input type="checkbox"/>	HPCBBH-C3	Bevelback W-Board fixing to timber framing	<input type="checkbox"/>	HPCBBH-D9d	Bevelback W-Board scarf joint
<input type="checkbox"/>	HPCBBH-C4	Bevelback W-Board fixing to lightweight steel	<input type="checkbox"/>	HPCBBH-D10a	Bevelback W-Board parapet junction
<input type="checkbox"/>	HPCBBH-C5	Bevelback W-Board fixing to timber framing	<input type="checkbox"/>	HPCBBH-D10b	Bevelback W-Board enclosed deck junction
<input type="checkbox"/>	HPCBBH-C6	Bevelback W-Board fixing to timber framing	<input type="checkbox"/>	HPCBBH-D10c	Bevelback W-Board enclosed deck to wall junction
<input type="checkbox"/>	HPCBBH-D1a	Bevelback W-Board batten layout	<input type="checkbox"/>	HPCBBH-D10d	Bevelback W-Board saddle flashing junction
<input type="checkbox"/>	HPCBBH-D2a	Bevelback W-Board threshold to concrete slab	<input type="checkbox"/>	HPCBBH-D11a	Bevelback W-Board non-cantilevered deck junction
<input type="checkbox"/>	HPCBBH-D2b	Bevelback W-Board threshold to timber subfloor	<input type="checkbox"/>	HPCBBH-D11b	Bevelback W-Board Cantilevered deck junction
<input type="checkbox"/>	HPCBBH-D3a	Bevelback W-Board Soffit (horizontal) junction	<input type="checkbox"/>	HPCBBH-D12a	Bevelback W-Board Pipe penetration (flashing tape)
<input type="checkbox"/>	HPCBBH-D3b	Bevelback W-Board Soffit (raking) junction	<input type="checkbox"/>	HPCBBH-D12b	Bevelback W-Board Pipe penetration (flange plate)
<input type="checkbox"/>	HPCBBH-D4	Bevelback W-Board Midfloor junction	<input type="checkbox"/>	HPCBBH-D13a	Bevelback W-Board Meter Box junctions (Quickflash kit)
<input type="checkbox"/>	HPCBBH-D5a	Bevelback W-Board Window & Door head junction	<input type="checkbox"/>	HPCBBH-D13b	Bevelback W-Board Roof junction
<input type="checkbox"/>	HPCBBH-D5b	Bevelback W-Board Window sill junction	<input type="checkbox"/>	HPCBBH-D13c	Bevelback W-Board Roof gable junction
<input type="checkbox"/>	HPCBBH-D5c	Bevelback W-Board Window & Door jamb junction			
<input type="checkbox"/>	HPCBBH-D6a	Bevelback W-Board Door sill concrete slab junction			
<input type="checkbox"/>	HPCBBH-D6b	Bevelback W-Board Door sill timber subfloor junction			
<input type="checkbox"/>	HPCBBH-D7a	Bevelback W-Board External Corner Soaker			
<input type="checkbox"/>	HPCBBH-D7b	Bevelback W-Board External Butt Joint Corner			
<input type="checkbox"/>	HPCBBH-D7c	Bevelback W-Board External > 90 Corner			
<input type="checkbox"/>	HPCBBH-D7d	Bevelback W-Board External Corner (vertical to horizontal cladding)			
<input type="checkbox"/>	HPCBBH-D8b	Bevelback W-Board Internal Metal Corner			
<input type="checkbox"/>	HPCBBH-D8c	Bevelback W-Board Internal > 90 Corner			
<input type="checkbox"/>	HPCBBH-D8d	Bevelback W-Board Internal Corner (vertical to horizontal cladding)			
<input type="checkbox"/>	HPCBBH-D9a	Bevelback W-Board to other cladding (cavity-direct)			

Direct Fixed

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