

Pineclad & Pineclad TMT Shiplap
Weatherboard Cladding System

SPECIFICATION GUIDE

Version 2.1 May 2024



1. GENERAL

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- 1.1 General** This specification relates to the installation of the Pineclad and Pineclad TMT Shiplap Weatherboard Cladding System.
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- 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.
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- 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/productcertificate-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.
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- 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 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.
- 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 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 x 18mm thick Vertical Shiplap Weatherboards
- 180mm wide x 18mm thick Vertical Shiplap 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)

Moulding Profiles:

- 28mm Scotia
- 35mm Scotia
- 40mm x 10mm Scribe
- 40mm x 18mm Scribe
- 30mm x 15mm Scribe
- 60mm x 18mm Scribe
- 83mm x 18mm Universal Box Corner
- 100mm x 18mm External Box Corner
- 100mm x 18mm Internal Box Corner
- 18mm x 18mm Eavesmould
- 24mm x 19mm Beazley Eavesmould
- 45mm Sill
- 65mm Sill
- 30mm Bevelled Cornice
- 40mm Bevelled Cornice
- 12mm Quad
- 18mm Quad
- 18mm x 18mm D4S
- 24mm x 24mm D4S
- Custom-made Moulding Profiles (available on request)

Cavity Battens Supplied by Hume Pine:

- 45 x 19mm 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 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



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
- Rose head nails - 75 or 90mm x 3.15mm s/steel (annular grooved)

Weatherboard Fixings (Lightweight 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 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

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.



4. APPLICATION

4.1 General	<p>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.</p> <p>All conditions contained in the building consent documentation must be met.</p>
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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.
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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	<p>Check the cladding system to ensure all components have been installed correctly and finished in accordance with all Hume Pine requirements.</p>
5.3 Warranties	<p>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</p>
5.4 Information for Care & Maintenance	<p>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.</p>



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)

- | | |
|---|---|
| <input type="checkbox"/> Hume Pine Vertical Weatherboard Installation Guide | <input type="checkbox"/> Pineclad & Pineclad TMT – Current Vertical Weatherboard External Cladding System CodeMark® Certificate of Conformity |
| <input type="checkbox"/> Hume Pine External Weatherboard Cladding Warranty | <input type="checkbox"/> Hume Pine Weatherboard Care & 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) <input type="text"/> | | |

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 1m | <input type="checkbox"/> Less than 1m to a Notional Boundary & 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:

- | |
|--------------------------------------|
| <input type="checkbox"/> 10m or Less |
|--------------------------------------|

Assembly Component Selections (Check Which Applies)

WEATHERBOARD TREATMENT & COATING OPTION:

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

WEATHERBOARDS:

- 135mm wide x 18mm thick Pineclad Vertical Shiplap Weatherboards
- 135mm wide x 18mm thick Pineclad TMT Vertical Shiplap Weatherboards
- 180mm wide x 18mm thick Pineclad Vertical Shiplap Weatherboards
- 180mm wide x 18mm thick Pineclad TMT Vertical Shiplap Weatherboards
- Custom-made Weatherboard 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:

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

MOULDING PROFILES (continued):

- 18mm x 18mm Eavesmould
- 24mm x 19mm Beazley Eavesmould
- 42mm Sill
- 65mm Sill
- 30mm Bevelled Cornice
- 40mm Bevelled Cornice
- 12mm Quad
- 18mm Quad
- 18mm x 18mm D4S
- 24mm x 24mm D4S

BATTENS:

- 45 x 19mm Finger-jointed H3.1 LOSP Radiata Pine Castellated Cavity Batten

Batten Fixings to Timber Framing:

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

Batten Fixings to Steel Framing:

- 12g x 65mm 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 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:

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

Details Selection (continued)

DIRECT FIXED:

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