

# JSC VertiClad

## Vertical Shiplap Weatherboard Cladding

Version 1.0 | February 2025



PREMIUM ARCHITECTURAL  
& BUILDING SOLUTIONS

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Cover image: Eastern Beach Home | Matt Brew Architect  
Photographer: Jamie Cobel

# INTRODUCTION

Add a touch of modern elegance to your building with JSC VertiClad Vertical Shiplap Weatherboard Cladding. The clean vertical lines of this cladding provide a sleek, smart, and contemporary appearance. This system provides a smooth, linear path that can bring the impression of height and add a strikingly distinctive look to the building.

## GENERAL

This guide covers the scope of use, selection of products, fixing, finishing, and maintenance guidelines for JSC VertiClad Vertical Shiplap Weatherboard Cladding system.

JSC VertiClad is a cavity-based external wall cladding system comprising of:

- timber weatherboards finished with suitable coating
- H3.2 treated timber castellated cavity battens
- fascia boards, moulding profiles, and associated components

JSC weatherboards are available in a range of timber species and profiled to JSC specifications, consistent with [NZS 3617:1979](#) and [BRANZ BU411](#).

This guide covers the design and specification of JSC Vertical Shiplap weatherboards when specified over:

- **JSC-U 45×20 Non-Structural Cavity Battens** - 20mm thick castellated cavity battens; or
- **JSC-H 45×45, JSC-V 45×45 and JSC 70×45 Structural Cavity Battens** - 45mm thick castellated cavity battens.

For direct fix installation of JSC weatherboards refer to Acceptable Solution E2/AS1.

## BUILDING CODE REGULATIONS

If designed and installed as per JSC technical documents, the JSC VertiClad Vertical Shiplap Weatherboard System will meet the following provisions of the New Zealand Building Code (NZBC):

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.4 for the relevant physical conditions of B1.3.3 (a), (f), (h), (j), and (m)
- **Clause B2 Durability:** Performance B2.3.1(b) and B2.3.2(b)
- **Clause E2 External Moisture:** Performance E2.3.2, E2.3.5 (contributes to), E2.3.6 (contributes to), and E2.3.7
- **Clause F2 Hazardous Building Materials:** Performance F2.3.1

## SCOPE AND LIMITATION OF USE

- It is the specifier’s responsibility to ensure that:
- the details in this specification are appropriate for the intended application, and
  - additional detailing is obtained for a specific design or any areas that fall outside the scope of our VertiClad CodeMark certificate [CMNZ 30084](#).

JSC VertiClad system must be installed by a suitably qualified and experienced trade person. Where Restricted Building Work (RBW) applies, the installer shall be a Licensed Building Practitioner (LBP) or supervised by an LBP.

# BUILDING ELEMENTS

## STRUCTURE AND FRAMING

The performance and appearance of the cladding system rely on the substrate. JSC cladding systems are designed for timber wall framing. However, JSC 45mm Cavity Battens can also be fixed to structures outside of [NZS 3604:2011](#). 45mm Cavity Batten fixings should be determined by an engineer based on fixing tensions required on [JSC Structural Cavity Batten Fixing Guide](#).

Timber framing must be within the framing tolerances of [NZS 3604:2011](#) Section 2.2 and Table 2.1. For specific requirements relating to support for timber weatherboard cladding, refer to Sections 8 and 11 of [NZS 3604:2011](#).

If it is an existing building, the primary structure must be suitable for the intended building work.

## WALL UNDERLAY

Wall underlay must comply with [E2/AS1 Table 23](#) and [E2/AS1 9.1.7](#). Alternatively, a wall underlay with a Product Certificate (CodeMark) or a BRANZ Appraisal is acceptable provided the conditions of use and scope comply.

Wall underlays (flexible or rigid) shall have a compliant and compatible flexible flashing tape applied to head and sill framing in accordance with [E2/AS1 4.3.11](#) and [9.1.5\(b\)](#) and opening reveals as per [E2/AS1 9.1.7.2](#).

## CAVITY BATTENS

**JSC-U 45×20 Non-Structural Cavity Battens** are universal cavity battens that can be used either vertically or horizontally. Non-structural cavity battens must be fitted over the nogs and spaced at maximum 480mm centres.

**JSC-H 45×45, JSC-V 45×45 and JSC 70×45 Structural Cavity Battens** are structural cavity battens that allow additional options to create deeper window reveals and other design elements. Refer to [JSC Structural Cavity Batten Fixing Guide](#) for more information on spacings and fixings.

JSC castellated cavity battens are made of H3.2 CCA or MCA treated Radiata Pine which aligns with the principle that the minimum durability for building elements that are enclosed is greater than that for accessible elements.

The top and bottom edges of JSC cavity battens are bevelled to direct moisture away from the building. The front and the back face of the batten have castellations at regular intervals to allow pressures to equalise, moisture to drain, and improve air circulation to aid evaporation.

Proper ventilation is crucial to ensure airflow through the cavity, preventing moisture buildup that could cause damage to the structure like rot, mould, or decay.

## INTER-STOREY JUNCTIONS

Inter-storey junctions in cladding are required for walls with a maximum of 7 metres in height or over two storeys as per [E2/AS1 Paragraph 9.1.9.4](#).

## VERTICAL CONTROL JOINT

For long, uninterrupted walls in high wind zones or buildings that are two storeys or taller, control joints should be placed every 6 metres to accommodate building movement across the wall.

## GROUND CLEARANCE

As per [E2/AS1 Paragraph 9.1.3 and Table 18](#), the cladding should, at the ground level:

- Extend past the bottom plate on a concrete slab, bottom of bearer or lowest part of timber floor framing by 50mm
- Finish a minimum of 100mm above a paved surface or 175mm above unpaved surface, and
- Have a minimum 35mm clearance to roof claddings and decks.

## DECKS AND DECORATIVE ELEMENTS

Ensure a gap for drainage and cleaning when attaching elements like letterboxes, pergolas, or decorative features to or close to the cladding. E2/AS1 requires a 12 mm minimum gap between slatted timber decks, stringers and external wall cladding, as well as against walls or balustrades for raised surfaces like tiles, pavers, or timber on weathertight decks.

## CAVITY CLOSER/VERMIN PROOFING

Specify cavity closer/vermin proofing in compliance with

[E2/AS1 Paragraph 9.1.8.3](#) and [Figure 66](#) to close off the bottom of the cavity. Ensure it is placed at the base of all walls, open horizontal or raking junctions, and over openings (windows, penetrations, etc.). Size the cavity closer/vermin-proofing to fit the cavity dimensions.

## FLASHINGS

As per [E2/AS1 Paragraph 4.0](#):

- Flashing materials should comply with [E2/AS1 Table 20](#) and meet the compatibility of [E2/AS1 Table 21](#) and [Table 22](#).
- Ensure that flashing materials are compatible with both the window frame and cladding, including their fixings. Windows to comply with [NZS 4211:2022](#).

## NAIL FIXINGS

Annular grooved nails must be used to fix JSC VertiClad weatherboards. The nail length must allow a minimum of 30mm embedment into the framing for non-structural cavity batten and a minimum of 35mm embedment into structural cavity batten. JSC weatherboards must be pre-drilled with a slight upward slope (0-2°). The hole should be approximately 1mm smaller than the nail shank to reduce the risk of moisture entry.

**Note: For example, for a 75 × 3.25mm nail, use a 2.5mm drill bit.**

**Oil/Stain Finish** – Use annular grooved Rose Head, Pentagon Head or Flat Head.

**Paint Finish** – Use annular grooved Jolt Head, Flat Head, Pentagon Head or Rose Head.

TABLE 1 - CAVITY BATTENS

| Profile                             | Description                                       |
|-------------------------------------|---|
| <b>Non-Structural Cavity Batten</b> |   |
| JSC-U 45mm x 20mm                   | 18° bevelled edges and castellation on both faces |
| <b>Structural Cavity Batten</b>     |   |
| JSC-H 45mm x 45mm                   | 18° bevelled edges and castellation on both faces |
| JSC-V 45mm x 45mm                   | Square edges and castelattion on both faces       |
| JSC 70mm x 45mm                     | 18° bevelled edges and castellation on both faces |

TABLE 2 - FIXINGS INTO FRAMING

| Framing        | Cavity Batten                                  | Weatherboard Fixing  |
|----------------|--|--|
| Timber Framing | 45mm x 20mm (Non-Structural)                   | Annular grooved nail with 30mm minimum embedment into <b>timber frame</b>  |
|                | 45mm x 45mm or 70mm x 45mm (Structural Fixing) | Annular grooved nail with 35mm minimum embedment into <b>cavity batten</b> |



| TABLE 3 - NAIL FIXINGS                              |                                       |  |
|---|---------------------------------------|--|
| Species   | Nail Material                         |  |
| Western Red Cedar<br>(Thuja plicata)                | 316 Stainless Steel or Silicon Bronze |  |
| Alaskan Yellow Cedar<br>(Callitropsis nootkatensis) |                                       |  |
| Radiata Pine<br>(Pinus radiata)                     |                                       |  |
| Nordic Pine<br>(Pinus sylvestris)                   |                                       |  |
| JSC TMT Thermally Modified Species                  | Nail Material                         |  |
| TMT Taiga   | 316 Stainless Steel or Silicon Bronze | Flat Head, Rose Head or Pentagon Head only |
| TMT Taxon   |                                       |  |
| TMT Tuscan  |                                       |  |
| TMT Amba  |                                       |  |
| ThermoPine  |                                       |  |

Notes:

- Silicone bronze fixings may cause copper leaching. This effect is more noticeable with lighter finishes. It is aesthetic and does not compromise the durability of the fixing.
- For the use of any alternative fixing of equivalent properties refer to [E2/AS1 Table 24](#) and to [E2/AS1 Table 20](#) for alternative material selection.
- JSC recommends fixing materials as per **Table 3 - Nail Fixings**, as they will at least match the life of the cladding (E2/AS1 allows the use of galvanised fixings, although JSC does not endorse their use).
- Jolt head nails are only suitable for paint finished weatherboards.
- For buildings located in exposure 'Zone D', 316 stainless steel fixings must be used as per [NZS 3604:2011](#).

# PRODUCT SELECTION

## WEATHERBOARDS

JSC weatherboards are available in a wide variety of species, sizes, and profiles, providing design flexibility and innovation. When choosing a weatherboard for your project, consider:

### Species

The choice of timber species is typically influenced by factors such as aesthetics, sustainability, durability, workability, dimensional stability, base colour and grain variation, cost, coating preferences, availability or other site specific requirements.

See **Table 4 - Weatherboard Species and Specification** for the list of JSC cladding species.

### Weatherboard Profile

JSC manufactures weatherboards according to JSC specifications, aligning with [NZS 3617:1979](#) and [BRANZ BU411](#). Various profiles are available (see [JSC Profile Chart](#)), and customized profiles can be crafted upon request to complement specific designs.

### Surface Finishes

JSC weatherboards are available in Bandsawn finish. Dressed or Brushed finishes are also available depending on chosen species and coating.

- **Bandsawn Finish:** Accentuates the timber's natural texture, ensuring a longer-lasting coating by increasing the surface area for stain absorption.
- **Dressed Finish:** Provides a smooth face that is preferable for painting. Dressed weatherboards will required sanding before coating with either paint or stain. Follow the sanding requirements of coating manufacturer specification.
- **Brushed Finish:** Involves using wire bristles to gently scrape the timber surface, highlighting the wood grain and creating a vibrant textured appearance.

### Coating

JSC weatherboards must be coated using a suitable coating (exterior grade timber cladding coating — refer to the manufacturer's guidance for use and suitability) and applied according to the

manufacturer's specification.

Weatherboards can be supplied either pre-finished with a factory-applied base coat or raw.If supplied raw, a base coat must be applied on-site to all sides and cut ends before installation. No claims will be accepted for contamination on weatherboards delivered uncoated. **Note: Only weatherboards coated on all sides in suitable coating comply with JSC CodeMark certification.**

### Pre-coated Weatherboards

JSC highly recommends a factory-applied base coat for a premium finish on all sides. This controlled process reduces weather delays, human error, and contamination from dust and debris.

When using Radiata Pine weatherboards, the paint colour's Light Reflectance Value (LRV) must be at least 45% to minimise dimensional movements that can cause cupping and splitting.

**Note: Follow coating manufacturer specifications at all times.**

**Note:** For information on maintaining coatings refer to [JSC Maintenance Guide](#).

| TABLE 4 - WEATHERBOARD SPECIES AND SPECIFICATION |             |               |                 |                                  |                              |
|--|-------------|---------------|-----------------|----------------------------------|------------------------------|
| Species  | Width       | Thickness     | Length Spread   | Grades                           | Surface Finish*              |
| Western Red Cedar                                | Up to 300mm | 18.5-39mm     | Random & Select | PC1, PC2, STK,FJ, and Engineered | Bandsawn / Dressed           |
| Alaskan Yellow Cedar                             | Up to 200mm | 18.5mm        | Random          | Clears                           | Bandsawn / Dressed           |
| Radiata Pine - H3.2 (MicroPro® treated)          | Up to 200mm | 20mm          | Random          | Clears 1                         | Bandsawn / Dressed           |
| Nordic Pine - H3.2 (MicroPro® treated)           | Up to 150mm | 22mm          | Random          | STK                              | Bandsawn / Dressed           |
| JSC TMT - Thermally Modified Timber Species      |             |               |                 |                                  |                              |
| TMT Taiga  | Up to 150mm | 18.5mm        | Random          | STK                              | Bandsawn / Brushed           |
| TMT Taxon  | Up to 200mm | 18.5mm        | Random          | Clears                           | Bandsawn / Dressed / Brushed |
| TMT Tuscan                                       | Up to 200mm | 18.5mm        | Random          | Clears                           | Bandsawn / Dressed / Brushed |
| TMT Amba   | Up to 200mm | 18.5mm        | Random          | Clears                           | Bandsawn / Dressed / Brushed |
| ThermoPine- H3.2 (MicroPro® treated)             | Up to 200mm | 18.5mm / 22mm | Random          | Clears                           | Bandsawn / Dressed / Brushed |

**Note:** \*More species, grades, profiles, sizes, and select length options may be available on request.

# INSTALLATION

For installation requirements regarding wall framing, wall underlay, cutting and positioning cavity battens and flashings, refer to [VertiClad Installation Guide](#).

## WEATHERBOARD INSTALLATION

JSC weatherboards must be pre-drilled with a slight upward slope (0-2°). The hole should be approximately 1mm smaller than the nail shank to reduce the risk of moisture entry.

**Note:** For example, for a 75 × 3.25mm nail, use a 2.5mm drill bit.

Single fix each weatherboard at 30-35mm from the overlapping edge to achieve a minimum of 30mm fixing penetration into the timber framing or 35mm into the structural cavity batten.

**NOTE:** Scribes must be bedded in sealant to weatherboards for weathertightness.

Refer to **Table 2 - Fixings into Framing**.

### Clinch Nails (Optional)

If desired, 40mm x 2.0mm stainless steel clinch nails can be used to secure the boards until they are nailed off.

### Guidelines for Using Clinch Nails:

- Clinch nails are optional. They serve as an aid to installation only and do not contribute to fixing or affect the overall set-out of the weatherboards.
- Clinch nails cannot be fully relied upon as a layout gauge. For accurate alignment of weather grooves and setting the expansion gap, use a precise packer to set the negative detail.
- For shorter boards, place one clinch nail in the middle and use additional clinch nails to maintain even spacings. Ensure they are under 1.8 metres apart.
- Clinch nails do not reduce the number of weatherboard nails required.

### Corner Details

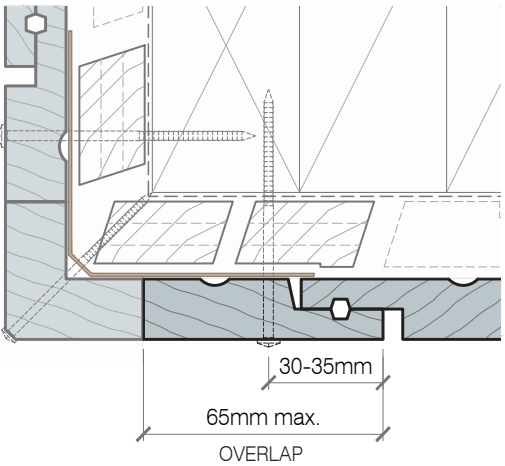
When installing cladding boards at corners, avoid using wide boards (e.g. 200mm wide) that aren't supported by adjacent boards. Wide boards require special considerations and layout planning before installation.

For corners, cut the wide boards narrower - ideally to a maximum of 65mm wide for overlap boards, and 90mm maximum for underlap boards. Boards to be fixed as per usual (30-35mm from the overlapping edge). Refer to **Figure 1** and **Figure 2**.

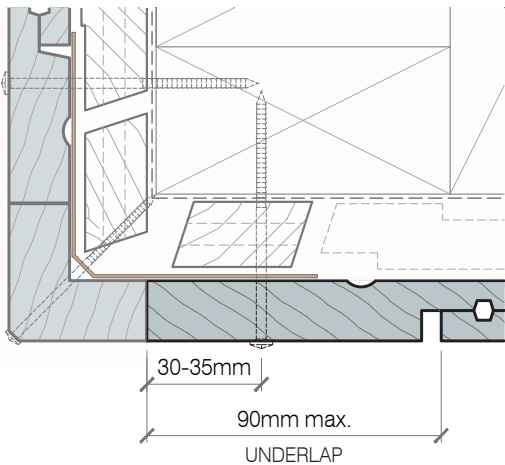
Wide boards should not be used on corners due to their tendency to lift. The layout must be planned in advance. Use a combination of narrow boards if necessary to achieve reliable corner details.

In cases where cutting the boards is not possible, contact JSC.

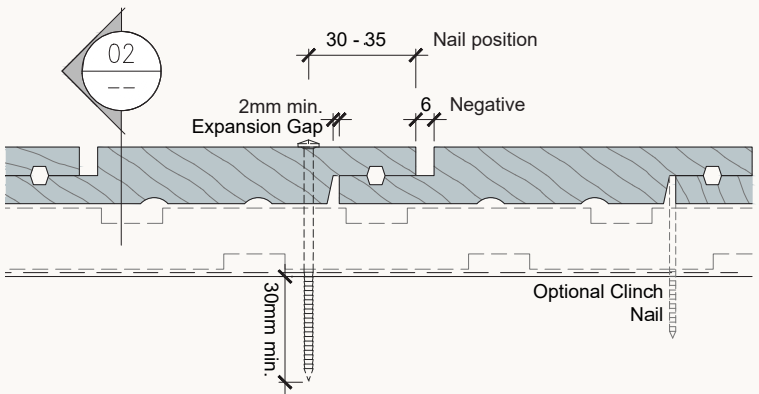
Consider using a self-adhered membrane at corners to protect against water ingress, especially if a board lap lifts over time, e.g. VaproShield membrane.



**Figure 1** - Overlap board to be maximum 65mm wide

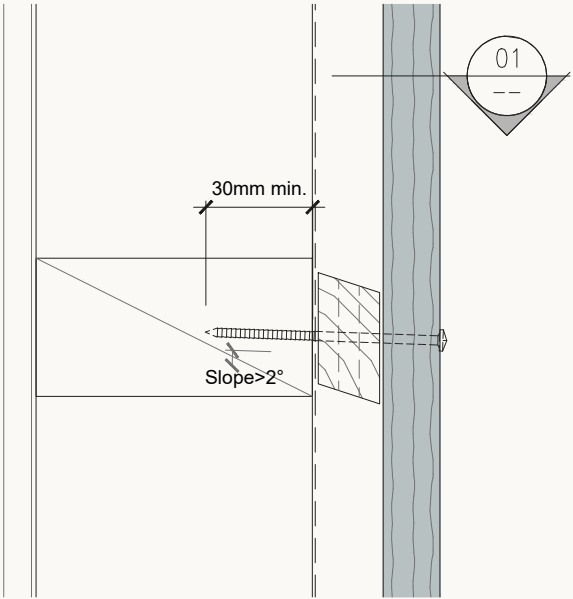


**Figure 2** - Underlap board to be maximum 90mm wide

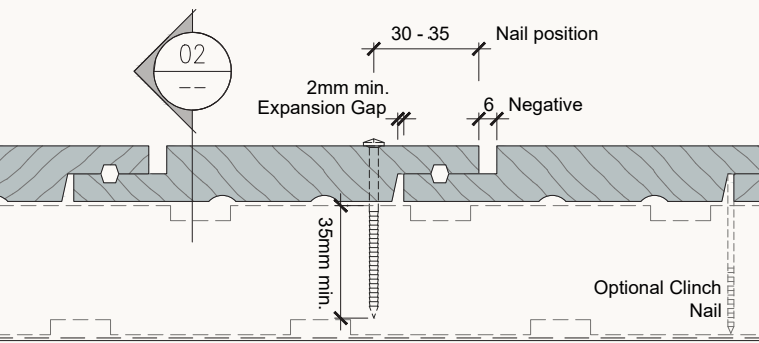


**Plan Section 01**

**Figure 3** - Typical Vertical Shiplap Weatherboard Installation  
20mm non-structural cavity battens on Timber Framing

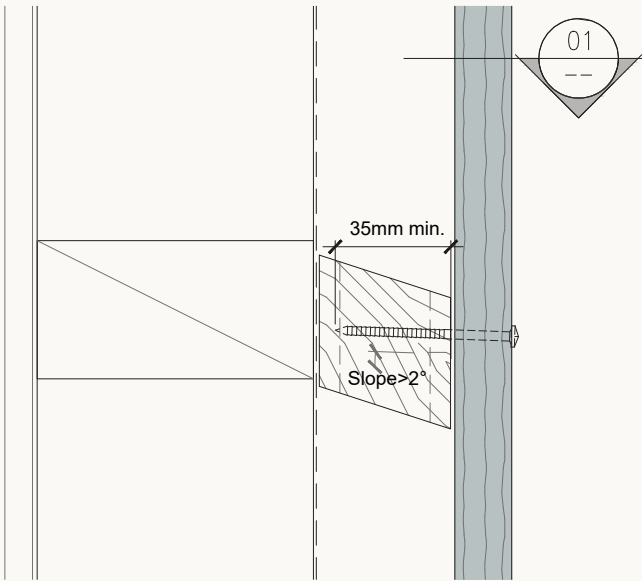


**Cross Section 02**



**Plan Section 01**

**Figure 4** - Typical Vertical Shiplap Weatherboard Installation  
45mm structural cavity battens on Timber Framing



**Cross Section 02**

**When fixing cavity battens to framing, avoid fixing them on their centre line. Stagger the cavity battens fixings to prevent interference with weatherboard fixings.**

**Note:** Exposed Board Ends - Where vertical weatherboards have an exposed bottom edge such as at the Bottom Plate, Window Heads, Inter-storey and Overhead Soffit junctions, the bottom of the boards should be cut back at 15 degrees to form a drip edge. The cut end should be coated 150-200mm from the bottom edge, up the back of the board. In the case of paint, sharp edges should be eased, the primer should be brushed thoroughly into the cut end, up the back and then top-coated. The areas where board ends are visually exposed must be checked as part of every coating maintenance inspection.



**Scribers**

Ensure scribes extend at least 5mm past the joinery sill and are bevelled back to the wall at an angle of 30-45°. Keep in mind that scribes and small decorative profiles are more prone to splitting and decay. They may only last 5 years in certain situations. Yearly maintenance cycles should be followed to keep integrity and to determine if re-coating, or replacement is needed.

Fix scribes and decorative trims using short screws or nails (35-50mm long) that do not penetrate the framing.

**MAINTENANCE**

Building owners are responsible for the maintenance of their JSC weatherboards. Annual inspections must be made to ensure that all aspects of the cladding remain in a weatherproof condition. Repair to damaged areas and maintenance where signs of deterioration are evident, must be addressed promptly. Repairs to sealants, coatings, flashings, scribes, decorative elements and weatherboards must follow the relevant manufacturer's instructions. For further information refer to the latest [JSC Maintenance Guide](#).



# BUILDING CONSENT APPLICATION

## THE PROCESS

When specifying VertiClad for your project, ensure the following steps are followed:

1. **Confirm the proposed use aligns with the scope and limitations of the current CodeMark certificate.**
2. **Verify that the framing and wall underlay meet the required standards.**
3. **Specify the appropriate cavity battens for the project.**
4. **Select relevant construction details applicable to your project.**
5. **Specify the required coating for the cladding.**

## REQUIRED DOCUMENTATION

Include the following documents on the building consent application:

- **CodeMark Certificate: CMNZ30084**
- **VertiClad Design Guide**
- **VertiClad Installation Guide**
- **VertiClad Checklist**
- **JSC Maintenance Guide**
- **Relevant Construction Details:**
  - [JSC 20CF - JSC VertiClad System\\_Flexible Underlay\\_20mm Cavity\\_v2.5](#)
  - [JSC 20CR - JSC VertiClad System\\_Rigid Underlay\\_20mm Cavity\\_v2.5](#)
  - [JSC 45CF - JSC VertiClad System\\_Flexible Underlay\\_45mm Cavity\\_v2.5](#)
  - [JSC 45CR -JSC VertiClad System\\_Rigid Underlay\\_45mm Cavity\\_v2.5](#)

**FOR TECHNICAL DRAWINGS**

Visit the below link or scan the QR code for easy access.

[jsc.co.nz/products/vertical-shiplap-cladding](https://jsc.co.nz/products/vertical-shiplap-cladding)



**SCAN ME**

| APPENDIX 1    |                                 |   |
|---------------|---------------------------------|---|
| DETAIL NUMBER | DETAIL TITLE                    | VERTICLAD SYSTEM ACCESSORIES  |
| VS10          | Window Head Detail              | <b>Head Flashing</b> <ul style="list-style-type: none"> <li>Sizes as per <a href="#">E2/AS1 Table 7</a></li> <li>In accordance with <a href="#">E2/AS1 Paragraph 9.1.10.4</a> or window manufacturer's instructions</li> <li>Usually supplied by joinery companies</li> <li>JSC do not recommend hooks or hems. Therefore, the flashing upstand dimensions must be increased by 25mm in accordance with <a href="#">E2/AS1, Paragraph 4.5.1</a></li> <li>JSC recommends a flexible cavity closer at window heads to accommodate accessory buildup and batten machining</li> </ul> |
| VS11          | Window Sill Detail              |   |
| VS12          | Window Jamb Detail - Scriber    |   |
| VS13          | Window Jamb Detail - No Scriber |   |
|               |                                 | <b>Window Joinery</b> <ul style="list-style-type: none"> <li>To be installed in accordance with <a href="#">E2/AS1 Paragraph 9.1.10</a> and <a href="#">NZS 4211:2008</a></li> </ul>  |
|               |                                 | <b>J Mould</b> <ul style="list-style-type: none"> <li>65mm x Thickness of the weatherboard</li> </ul>   |
| VS30          | Square Utility Head Detail      |   |
| VS31          | Square Utility Sill Detail      |   |
| VS32          | Square Utility Jamb Detail      |   |
| VS40          | Weatherboard Scarf Joint        | <b>Back Flashing</b> <ul style="list-style-type: none"> <li>Recommended min. 50mm coverage from any butt joint</li> <li>Materials to comply with <a href="#">E2/AS1 Table 20</a></li> <li>For PVC or other flexible materials, ensure flashing maintains contact with the back of cladding. If required, use extra cavity batten</li> </ul>   |
| VS41          | Vertical Control Joint          |   |
| VS42          | Base of Wall - Concrete         | <b>Cavity Closer</b> <ul style="list-style-type: none"> <li>Size to suit cavity</li> <li>Materials to comply with <a href="#">E2/AS1 Paragraph 9.1.8.3</a>; or</li> <li>Covered by CodeMark or a BRANZ Appraisal provided the conditions of use and scope comply</li> <li>Minimum vent 1000mm² / linear meter</li> </ul>  |
| VS43          | Base of Wall - Timber           |   |
| VS44          | Pipe Penetration                | <b>Pipe Penetration Boot</b> <ul style="list-style-type: none"> <li>To comply with <a href="#">E2/AS1 Paragraph 9.1.9.3</a>; or</li> <li>Covered by CodeMark or a BRANZ Appraisal used within the scope</li> <li>To be installed per manufacturer's specifications</li> </ul>   |
| VS50          | External Corner - J40           |   |
| VS51          | 3D - External Corner - J40      |   |
| VS52          | External Corner - APJC5         |   |
| VS53          | 3D - External Corner - APJC5    |   |

| DETAIL NUMBER | DETAIL TITLE                          | VERTICLAD SYSTEM ACCESSORIES  |
|---------------|---------------------------------------|---|
| VS54          | External Corner - J42                 | <b>Corner Flashing</b> <ul style="list-style-type: none"> <li>Sizes as per <a href="#">E2/AS1 Table 7 and Paragraph 4.5.1</a></li> <li>Materials to comply with <a href="#">E2/AS1 Table 21</a> and <a href="#">Table 22</a>.</li> <li>For PVC or other flexible materials, ensure flashing maintains contact with the back of cladding. If required, use extra cavity batten.</li> <li>When using 45mm structural cavity battens, do not use flexible corner flashings. The cavity batten positioning will not provide the necessary support for these flashings.</li> </ul> |
| VS55          | 3D - External Corner - J42            |   |
| VS60          | Internal Corner - J44                 |   |
| VS61          | 3D - Internal Corner - J44            |   |
| VS62          | Internal Corner                       |   |
| VS63          | 3D - Internal Corner                  |   |
| VS64          | External Corner - Box Corner          |   |
| VS65          | 3D - External Corner - Box Corner     |   |
| VS70          | Base of Wall - Membrane Roof          | <b>Saddle Flashing</b> <ul style="list-style-type: none"> <li>In accordance with <a href="#">E2/AS1 Figure 12</a></li> </ul> <b>Cap Flashing</b> <ul style="list-style-type: none"> <li>Must be in accordance with <a href="#">E2/AS1 Paragraph 6.4</a></li> </ul>  |
| VS71a         | Parapet Saddle Flashing - Stage One   |   |
| VS71b         | Parapet Saddle Flashing - Stage Two   |   |
| VS71c         | Parapet Saddle Flashing - Stage Three |   |
| VS71d         | Parapet Saddle Flashing - Stage Four  |   |
| VS75          | Parapet Detail                        | <b>Z Flashing</b> <ul style="list-style-type: none"> <li>JSC do not recommend hooks or hems. Therefore, the flashing upstand dimensions must be increased by 25mm in accordance with <a href="#">E2/AS1, Paragraph 4.5.1</a></li> <li>In accordance with <a href="#">E2/AS1 Paragraph 4.6.1.7</a></li> </ul>  |
| VS77          | Decorative Bracket - Batten Detail    |   |
| VS80          | Inter-storey Detail                   |   |
| VS81          | Apron Flashing Roof to Wall Junction  |   |
| VS82          | Soffit Detail at Wall                 |   |
| VS83          | Soffit Detail at Fascia               |   |
| VS84          | Raking Soffit at Wall                 |   |
| VS85          | Gable Soffit Detail at Wall           |   |

| DETAIL NUMBER | DETAIL TITLE                        | VERTICLAD SYSTEM ACCESSORIES  |
|---------------|-------------------------------------|---|
| VS90          | Weatherboard Fixing – Plan Section  | <b>Weatherboard Fixings – Stain Finish</b>  |
| VS91          | Weatherboard Fixing – Cross Section | <ul style="list-style-type: none"><li>Materials to comply with <a href="#">E2/AS1 Table 21</a> and <a href="#">Table 22</a></li><li>Fastener length and position per <a href="#">E2/AS1 Table 24</a></li><li>Stainless steel or silicon bronze annular grooved Rose Head, Pentagon Head and Flat Head</li></ul> <b>Weatherboard Fixings – Paint Finish</b> <ul style="list-style-type: none"><li>Materials to comply with <a href="#">E2/AS1 Table 21</a> and <a href="#">Table 22</a></li><li>Fastener length and position per <a href="#">E2/AS1 Table 24</a></li><li>Stainless steel or silicon bronze annular grooved Jolt Head, Flat Head, Pentagon Head and Rose Head</li></ul> |
| VS92          | Apron Flashing Gutter to Wall       |   |

VERTICLAD SYSTEM ACCESSORIES

|   |
|---|
| <b>Wall Underlay (Flexible or Rigid)</b> <ul style="list-style-type: none"><li>To comply with <a href="#">E2/AS1 Table 23</a>; or</li><li>Wall underlays covered by CodeMark or a BRANZ Appraisal used within the scope</li><li>Installed and handled per manufacturers specification</li></ul>   |
| <b>Flashing Tape</b> <ul style="list-style-type: none"><li>To comply with <a href="#">E2/AS1 Paragraph 4.3.11</a>; or</li><li>Product with a CodeMark or a BRANZ Appraisal used within the scope</li><li>To be compatible with wall underlay</li></ul>  |
| <b>Clouts</b> <ul style="list-style-type: none"><li>Materials to comply with <a href="#">E2/AS1 Table 21</a> and <a href="#">Table 22</a></li><li>Nail length and position per <a href="#">E2/AS1 Table 24</a></li><li>Stainless steel</li></ul>  |
| <b>Other Fixings</b> <ul style="list-style-type: none"><li>Any other fixing shall comply with <a href="#">NZS 3604:2011</a> for timber framing</li></ul>  |
| <b>Sealant</b> <ul style="list-style-type: none"><li>To comply with <a href="#">E2/AS1 Paragraph 9.1.6</a></li><li>To be compatible with coating and other elements</li></ul>   |
| <b>Coating</b> <ul style="list-style-type: none"><li>Should be suitable to use as external cladding coating</li><li>All weatherboards are recommended to be delivered to site with minimum of one coat of selected coating on all four sides</li><li>Coat the cut ends with two coats wet on wet</li><li>Subsequent coats are done after the installation</li><li>Follow the manufacturer’s specifications at all times</li></ul> |

# APPENDIX 2

## EXTERNAL REFERENCE

- MBIE NZ Building Code Clause E2 External Moisture (refer to [www.building.govt.nz](#))
- Department of Building and Housing (DBH). Constructing Cavities for Wall Claddings (refer to [www.building.govt.nz](#))
- BRANZ Bulletin BU468 [December 2005] Fixing Timber Weatherboards (refer to [www.branz.co.nz/BU468](#))
- BRANZ [May 2015] Good Practice Guide: Timber Cladding (refer to [www.branz.co.nz](#))
- BRANZ Build 154-33- Build Right Structurally Fixed Cavity Battens (refer to [www.buildmagazine.org.nz](#))
- BRANZ Build 173-28- Build Right Coatings for Timber Weatherboards (refer to [www.buildmagazine.org.nz](#))
- BRANZ Bulletin BU531 [February 2011] Designing for Thermal and Moisture Movement (refer to [www.branz.co.nz/BU531](#))
- Window & Glass Association NZ (WGANZ) (refer to [wganz.org.nz](#))
- NZS AS 1720.1:2022 (refer to [www.standards.govt.nz](#))
- NZS 3604:2011 Timber-framed buildings (refer to [www.standards.govt.nz](#))

**Disclaimer:** It is the responsibility of the designer/specifier to ensure the suitability and specification of any third-party accessories used with our cladding system. JSC is not liable for the installation of any components or accessories not supplied by us. For guidance on using specific components, please refer to our Technical Installation Details and Installation Guides. If there is any uncertainty, please seek expert advice.

The related documents mentioned above were accurate and up to date at the time of writing this guide. However, please note that information may have changed since then, and we recommend verifying any external sources for the most current information.





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