

Rosenfeld Kidson Cedarscreen Vertical Shiplap Weatherboard

Product Technical Statement: 103991



Western Red Cedar externally fixed vertical weatherboard cladding system

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



Rosenfeld Kidson Cedarscreen confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark

[CMA-CM40130/40127](#)

IANZ Accredited Laboratory

[Available on request - T0348/T0347](#)



Technical Statement

Product Description

Cedarscreen Vertical is an external vertically fixed wall cladding system. The system uses Rosenfeld Kidson vertical shiplap weatherboards and is finished with a uniquely formulated factory applied WoodOil.

Available cavity options: CS-H 45x45mm structural cavity batten. CS-H 20x45mm non structural cavity batten

45mm STRUCTURAL CAVITY BATTEN SYSTEM

The Rosenfeld Kidson Cedarscreen Vertical 45mm is an innovative new system for vertical shiplap weatherboard external wall cladding utilising a 45mm structural cavity batten. The system is used for residential and light commercial building types.

The primary benefit of this system is that the cladding is only required to be fixed to the batten alone and the face fixings do not penetrate beyond the batten, helping to maintain the integrity of the building envelope and air seal. The batten can span studs without the need of additional nogs/dwangs. The 45mm cavity also allows for improved drainage and ventilation.

Rosenfeld Kidson cavity battens are treated to H3.2 and the first to use the 'environmentally preferable' MCQ treatment.

The Cedarscreen Vertical 45mm cavity system comprises of vertical shiplap weatherboards (factory finished to all sides with a migrating wood oil), horizontal and vertical H3.2 MCQ treated structural cavity battens, stainless steel cavity batten fixings, stainless steel or silicon bronze cladding fixings and powder-coated aluminium flashings.

20mm NON-STRUCTURAL CAVITY BATTEN SYSTEM

The Rosenfeld Kidson Cedarscreen Vertical 20mm is a system for vertical shiplap weatherboard external wall cladding utilising a 20mm cavity. The system is used for residential and light commercial building types.

The Cedarscreen Vertical 20mm cavity system comprises of vertical shiplap weatherboards (factory finished to all sides with a migrating wood oil), horizontal and vertical cavity battens, stainless steel or silicon bronze cladding fixings and powder-coated aluminium flashings.

Scope of use

Cedarscreen Vertical 20mm non-structural and 45mm structural systems have been tested as externally fixed vertical wall cladding systems to comply with and is limited to the following:

- NZBC Acceptable Solution (E2/AS1/VM1, Paragraph 1.1)
- Testing included Amendment 5 of E2/AS1, including Extra High
- Specific wind pressure up to a maximum ultimate limit state (ULS) 2.5 kPa (2500 Pa)
- Risk score of 0-20 (E2/AS1 tables 1, 2 and 3)
- Timber framing to comply with NZBC NZS 3604
- NZS 3604 Wind Zones
- Material, products and processes contained within the building scope of NZS 3604
- Tested for use with aluminium windows and door joinery to comply with NZS 4211

New Zealand Building Code (NZBC)

masterspec partner

Company Contact Details



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The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3, B1.3.3(a), B1.3.3(h), B1.3.3(j), B1.3.3(q), B1.3.4, B1.3.4(a), B1.3.4(b), B1.3.4(c), B1.3.4(d), B1.3.4(e)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2, B2.3.2(a), B2.3.2(b)
- **Clause E2 External moisture:** Performance E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

B2 Durability E2 External moisture

The RK Cedarscreen 45mm cavity batten is a structural batten which is therefore required to have a minimum 50 year durability requirement. The batten is engineered from a specific grade of radiata pine and profiled to span minimum 600mm and independently tested to do so. It must also be treated to H3.2 with MCQ treatment to provide necessary durability and compatibility requirements. It must also be structurally fixed with 90x3.30mm stainless steel fixings.

All cladding has a 15 year durability requirement and is required to have regular maintenance over that period, as per the Factoryoil Maintenance guidelines.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



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Product Criteria

Design requirements

Vertical Western Red Cedar cladding is fixed either through the 20x45mm cavity batten to dwangs; or directly to the structural 45x45mm cavity batten only, at a maximum 400mm centres.

CS-H 20x45mm cavity battens are to be fixed horizontally to dwangs at maximum 400mm centres with studs spacing between 400mm or to a maximum 600mm centres. CS-H 20x45mm cavity battens are fixed, by the cladding fixings, to the wall framing.

CS-H structural 45x45mm horizontal cavity batten. 15 degree slope to the top of the cavity batten. 6x6mm drip edge to the lower face of the cavity batten. Castellations dimensions are 25x6mm, internal corners are radiused to strengthen the section. CS-H 45x45mm structural cavity battens are fixed directly to the framing structurally at between 400mm centres or a maximum 600mm centres. Cavity battens are fixed with 1x 90x3.15 Stainless steel nails at each fixing point. CS-H structural 45x45mm cavity battens are fixed horizontally at 400mm centres max.

Installation requirements

Please refer to installation guidelines and QA checklist for the following:

1.0 Framing Checks 2.0 Flashing Checks 3.0 Select Underlays Checks 4.0 Install Cavity Battens Checks 5.0 Penetrations Checks 6.0 Profile Type, Grade and Finish 7.0 Factory Oil Checks 8.0 Flashing Installation Checks 9.0 Install Cedarscreen Vertical Weatherboards Checks

Maintenance requirements

Maintenance shall be carried out as necessary to achieve the required durability of materials, components and junctions.

Annual inspection of the cladding material must be made to ensure that all aspects of the cladding system, including flashings and joints remain weatherproof. Any damaged areas or areas showing signs of deterioration, which could allow water ingress must be repaired immediately.

Regular cleaning (at least annually) of the stain or WoodOil coating is required to remove dirt or grime and fungal growth. Dirt and grime may be removed with the use of a soft brush, warm water and a light detergent cleaner.

Recoating with either a stain or WoodOil will be required throughout the life of the cladding system. Check manufacturers product specific recoating requirements.

Recoating must be carried out approximately every 2-3 years in accordance with the manufacturers instruction.

Company Product Information

Environmental

Western Red Cedar is also favoured by conservationists as the forests of British Columbia, from where our cedar is sourced, are well-managed and certified as such. All our producers carry certification under SFI, CSA, FSC or PEFC. Please refer to the following site for more information regarding this: www.wrcea.org/environment-sustainability/intro.htm.

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Relationships



PEFC SGS-PEFC/COC-0993



FSC SGS-COC-006703



CodeMark by CertMark CMA-CM40127/40130



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