

# THE BUILDING AGENCY CEDAR SHINGLES AND SHAKES

## PURPOSE

The Building Agency Cedar Shingles and Shakes are supplied for use as part of a roofing, gable-end and wall cladding system.

## EXPLANATION

The Building Agency Cedar Shingles and Shakes are:

- Quarter sawn from Western Red Cedar or Alaskan Yellow Cedar.
- Manufactured to the Certigrade® quality standard.
- Supplied in 2 grades:
  - Blue Label #1 grade for roof and wall applications. Free of defects and 100% heartwood;
  - Red Label #2 grade for wall or noncritical roof applications. Limited sap wood, flat grain, resin and pith pockets.
- Supplied in lengths of 455 mm and 610 mm and widths that range between 55 mm and 350 mm.
- Kiln-dried and treated in accordance with the Cert-Last® Pressure Treatment Process or supplied untreated.



For further assistance please contact:

- ☎ 09 415 2669
- ✉ info@buildingagency.co.nz
- 🌐 [thebuildingagency.co.nz](http://thebuildingagency.co.nz)

## SCOPE AND LIMITATIONS OF USE

| Scope  | Limitations  |
|--|--|
| <p><b>Location</b></p> <p>In all wind zones up to and including extra high as defined in NZS 3604:2011, or a maximum design differential ultimate limit state (ULS) of 2.5 kPa.</p> <p>In all exposure zones as defined in NZS 3604:2011.</p>          | <p>➤ Where adverse microclimatic conditions apply (refer paragraph 4.2.4 of NZS 3604:2011) contact The Building Agency Ltd for technical advice.</p>   |
| <p><b>Building</b></p> <p>In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.</p> <p>As a roof cladding.</p> | <ul style="list-style-type: none"> <li>➤ Roof pitch to be no less than 18°.</li> <li>➤ Roof substructures to be timber roof framing with CCA treated plywood to H3, or close spaced boarding or battens.</li> <li>➤ In conjunction with conventional flashing systems where the materials are compatible with CCA treated timber.</li> <li>➤ Roofing building wrap is to be interlaid under each shingle or shake on roof applications where the pitch is less than 30°. The building wrap is to meet Table 23, E2/AS1 or have a current relevant CodeMark Certificate and demonstrate a water absorption ratio of not less than 100 g/m².</li> <li>➤ Fixings must be in accordance with BRANZ Bulletin Issue 648, Section 6.3 recommendations e.g., silicon bronze, Grade 304 or Grade 316 stainless steel nails or staples.</li> <li>➤ In extra high wind zones or in snow regions, felt should be interlaid between each shingle or shake. The use of building wrap is not recommended.</li> <li>➤ A minimum of roof space ventilation at soffits and ridge is required.</li> <li>➤ Not recommended for the collection of potable water.</li> </ul> |
| <p>As a wall or gable-end cladding.</p>  | <ul style="list-style-type: none"> <li>➤ Fixings must be in accordance with BRANZ Bulletin Issue 648, Section 6.3 recommendations e.g., silicon bronze, Grade 304 or Grade 316 stainless steel nails or staples.</li> </ul>  |

## USEFUL INFORMATION

For design, installation and maintenance information, refer to [thebuildingagency.co.nz](http://thebuildingagency.co.nz)



## CONDITIONS OF USE

Must be installed in accordance with The Building Agency Technical Information for Timber Shingles and Shakes Application Details (April 2005), and the recommendations of BRANZ Bulletin Issue 648.

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all The Building Agency requirements, The Building Agency Cedar Shingles and Shakes will comply with or contribute to compliance with the following performance claims:

| NZ Building Code clauses   | BASIS OF COMPLIANCE  |  |
|--|----------------------|--|
|  | Compliance statement | Demonstrated by  |
| <b>B1 STRUCTURE</b><br>B1.3.1, B1.3.2,<br>B1.3.3 (a, b, h, m, q),<br>B1.3.4 (a, b, c, d, e). | ALTERNATIVE SOLUTION | <ul style="list-style-type: none"> <li>➤ Harrison Grierson Consultants (March 2005) opinion of structural adequacy.</li> <li>➤ BRANZ Bulletin Issue 648 with respect to fixings, substrates and shingle size and laps subject on roof pitch.</li> </ul>  |
| <b>B2 DURABILITY</b><br>B2.3.1 (b),<br>B2.3.2 (b)  | ALTERNATIVE SOLUTION | <ul style="list-style-type: none"> <li>➤ Treated to H3: CCA or alkaline copper quaternary (ACQ) preservatives with a salt retention of 6.4 kg/m<sup>3</sup>.</li> <li>➤ Where untreated: historic performance of heartwood Cedar recognised for resistance to decay.</li> <li>➤ Harrison Grierson Consultants (March 2005) opinion of structural adequacy.</li> <li>➤ BRANZ Bulletin Issue 648 with respect to fixings, substrates and shingle size and laps subject on roof pitch.</li> </ul> |
| <b>E2 EXTERNAL MOISTURE</b><br>E2.3.1, E2.3.2,<br>E2.3.7(a, b, c)                            | ALTERNATIVE SOLUTION | <ul style="list-style-type: none"> <li>➤ BRANZ Bulletin Issue 648. Review and supply of applicable installation details, based on the international fixing details.</li> </ul>   |
| <b>F2 HAZARDOUS BUILDING MATERIALS</b><br>F2.3.1   | ALTERNATIVE SOLUTION | <ul style="list-style-type: none"> <li>➤ Where treated flash off requirements met.</li> </ul>  |

## SOURCES OF INFORMATION

- B.C Shake & Shingle Association. (n.d.). *Application Handbook*.
- BRANZ. (April 2020). *Bulletin Issue 648 Timber Shingle and Shake Roofing*.
- Cedar Shake & Shingle Bureau. (2015). *New Roof Construction Manual*.
- Cedar Shake & Shingle Bureau. (2015). *Exterior & Interior Wall Manual*.
- Cedar Shake and Shingle Bureau. (2006). *Certigrade® Red Cedar Shingle*. Retrieved from <https://www.capitalforest.com/wp-content/uploads/Certi-Grade.pdf>
- Harrison Grierson. (31/3/2003). *Compliance statement for SPS Cedar Shingles & Shake*.
- United States Department of Agriculture. (2011). *General Technical Report FPL-GTR-201. Installation, Care, and Maintenance of Wood Shake and Shingle Roofs*. Forest Service, Forest Products Laboratory.
- United States Department of Agriculture. (2011). *General Technical Report FPL-GTR-202. Installation, Care, and Maintenance of Wood Shake and Shingle Siding*. Forest Service, Forest Products Laboratory.

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

[thebuildingagency.co.nz/products/](http://thebuildingagency.co.nz/products/)



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

The Building Agency Ltd confirms that if the Cedar Shingles and Shakes are used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

**Date of first issue:** 31/11/2019

**Date of current issue:** 08/05/2025

**NZBN:** 9429042373131

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of The Building Agency Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.



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