

SPS CEDAR SHINGLES AND SHAKES



PURPOSE

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

EXPLANATION

SPS Cedar Shingles 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:

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SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<p>Location</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 SPS Building Ltd for technical advice.</p>
<p>Building</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"> › Roof pitch to be no less than 18°. › Roof substructures to be timber roof framing with CCA treated plywood to H3, or close spaced boarding or battens. › In conjunction with conventional flashing systems where the materials are compatible with CCA treated timber. › 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. › Fixings must be in accordance with BRANZ Bulletin No. 443, Table 3 recommendations e.g., silicon bronze, Grade 304 or Grade 316 stainless steel nails or staples. › 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. › A minimum of roof space ventilation at soffits and ridge is required. › Not recommended for the collection of potable water.
<p>As a wall or gable-end cladding.</p>	<ul style="list-style-type: none"> › Fixings must be in accordance with BRANZ Bulletin No. 443, Table 3 recommendations e.g., silicon bronze, Grade 304 or Grade 316 stainless steel nails or staples.

USEFUL INFORMATION

For information on the design, installation and maintenance of SPS Cedar Shingles and Shakes, and for our warranty refer to www.spsbuilding.co.nz

VERSION:

CONDITIONS OF USE

Must be installed in accordance with SPS Building Ltd Technical Information for Timber Shingles and Shakes Application Details (April 2005), and the recommendations of BRANZ Bulletin No. 443.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all SPS Building Ltd requirements, SPS 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 ¹	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a, b, h, m, q), B1.3.4 (a, b, c, d, e).	ALTERNATIVE SOLUTION	> Harrison Grierson Consultants (March 2005) opinion of structural adequacy. > BRANZ Bulletin No. 443 with respect to fixings, substrates and shingle size and laps subject on roof pitch.
B2 Durability B2.3.1 (b), B2.3.2 (b)	ALTERNATIVE SOLUTION	> Treated to H3: CCA or alkaline copper quaternary (ACQ) preservatives with a salt retention of 6.4 kg/m ³ . > Where untreated: historic performance of heartwood Cedar recognised for resistance to decay. > Harrison Grierson Consultants (March 2005) opinion of structural adequacy. > BRANZ Bulletin No. 443 with respect to fixings, substrates and shingle size and laps subject on roof pitch.
E2 External Moisture E2.3.1, E2.3.2, E2.3.7(a, b, c)	ALTERNATIVE SOLUTION	> BRANZ Bulletin No 443. Review and supply of applicable installation details, based on the international fixing details.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	> Where treated flash off requirements met.

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

SOURCES OF INFORMATION

- > B.C Shake & Shingle Association. (n.d.). *Application Handbook*.
- > BRANZ. (2003). *Bulletin No. 443 Timber Shakes and Shingles*.
- > 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.



VERSION: **DATE:**

Note: Uncontrolled in printed format.

NAME: Ben Heald

POSITION: Director

Signed on behalf of SPS Building Ltd:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



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