



## The SUGI Japanese Cedar Cladding System



### Product

1.1 The SUGI Japanese Cedar Cladding & Weatherboard 'system', supplied by SUGI NZ Ltd., is intended to offer three cladding options for residential buildings:

- SHIPLAP – VERTICAL & HORIZONTAL OPTION;
- BEVELBACK OPTION;
- BOARD & BATTEN OPTION.

1.2 The SUGI Japanese Cedar Cladding & Weatherboard 'system' comprises a range of premanufactured finishes on Japanese Cedar weatherboards that can be protected through the application of a range of stains from the Natural Paint Company.

1.3 The SUGI Japanese Cedar Cladding & Weatherboard 'system' is to be applied by suitably competent and experienced persons in accordance with the manufacturer's technical literature.

### NZ Building Regulations

2.1 In the opinion of BEAL, the SUGI Japanese Cedar Weatherboard 'system' (SJCWS), when designed, installed and maintained in accordance with the statements and conditions of this Product Technical Statement, will meet the following provisions of the New Zealand Building Code:

#### Clause B1 STRUCTURE

When installed in accordance with the manufacturer's technical literature, the SJCWS will meet the requirements of Performance B1.3.3 (h). (Refer para 6.3)

#### Clause B2 DURABILITY

Performance B2.3.1 (b) 15 years. The SJCWS will meet this requirement. (Refer para 6.4)

#### Clause E2 EXTERNAL MOISTURE

Performance E2.3.1. The SJCWS will meet this requirement. (Refer para 6.7)

#### Clause F2 HAZARDOUS BUILDING MATERIALS

Performance F2.3.1. The SJCWS will not present a health hazard to people. (Refer para 6.9)

2.2 The SJCWS has been appraised as an 'Alternative Solution' in terms of compliance with the New Zealand Building Code.

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# Scope and Limitations

3.1 The SJCWS has been appraised for use as a weatherboard cladding 'system'.

3.2 The SJCWS is intended to offer three cladding options for residential buildings:

- SHIPLAP – VERTICAL & HORIZONTAL OPTION;
- BEVELBACK OPTION;
- BOARD & BATTEN OPTION

3.3 Limitations include use in an external environment above ground, with a (seismic) locality factor ( Z ) of up to 0.42 (Upper Hutt), in a temperate climate, with wind zones up to and including 55m/sec (Extra High); for residential housing including Class 1 and Class 2 type construction, i.e. stand-alone houses and multi-apartment dwellings, up to three stories high;

3.4 The design and construction of the SJCWS over timber or light gauge steel framing, including control joints, or junctions with other cladding systems, are to be to specific design and are therefore the responsibility of the owner/building designer and are outside the scope of this Product Technical Statement.

3.5 The owner of the building is responsible for the proper maintenance of the installed SJCWS including any stains applied, as set out in the Natural Paints technical literature, provided by SUGI NZ Ltd. to the owner along with the Warranty and Maintenance document.

## Technical Literature

4.1 The SJCWS technical literature dated together with the Natural Paint Company technical literature dated April 2020 must be read in conjunction with this Product Technical Statement. All aspects of design, use, installation and maintenance contained within the technical literature and scope of this Product Technical Statement must be followed.

4.2 For a copy of this technical literature please contact SUGI NZ Ltd.

## Result of the assessment

### Assessments

8.1 The following assessments of the SJCWS have been undertaken by BEAL:

Review of the technical literature plus a letter from SCION covering durability of Japese Cedar.

### In-service History

8.2 The SJCWS has been in use and, when subject to the manufacturer's requirements, performed satisfactorily as an exterior cladding material overseas in a wide range of conditions.

### Ease of repair or maintenance

8.3 The Technical Literature has been examined by BEAL and found to be satisfactory.

8.4 Building owners are responsible for the maintenance of the SJCWS in accordance with the manufacturer's instructions and this Product Technical Statement .

Authorised Signatory,



C R Prouse - Director

**BEAL** (Building Element Assessment Laboratory Limited)  
[March 2023]

