

*Applicable to Double Bevel Double Castellated and Double Bevel Single Castellated profiles.
 Designated Building Product: Class 1*

1. Declaration

Southern Pine Products Ltd provides this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

2. Company Details

Name	Southern Pine Products Ltd
Role	Manufacturer
Address	635 Halswell Junction Road, Hornby South, Christchurch
Website	www.sppnz.co.nz

3. Product Description

Southern Pine Products Ltd supplies timber cavity battens manufactured from New Zealand-grown Radiata Pine.

- Supplied as either H3.1 (LOSP) or H3.2 (CCA)
- Available in solid or castellated profile
- May be finger-jointed or solid timber
- Supplied in 45 x 45 mm section for use as structurally fixed cavity battens

4. NZ Building Code Compliance

Code Clause	Compliance Pathway	Evidence
B1 Structure	Alternative Solution	BRANZ BU411, AS/NZS 5068:2008, Independent structural testing (Scion),
B2 Durability	Alternative Solution / B2/ AS1	AS/NZS 3640:2003, H3.1 LOSP/WBA or H3.2 CCA, NZS 3602 (2003) 15-year durability
E2 External Moisture	Alternative Solution	Installed to E2/AS1 & E2/AS4, BRANZ BU582, Ecko Fastening Systems pull-out test

5. Scope of Use and Limitations

5.1 Scope

- Suitable for wind zones up to Extra High (NZS 3604:2011, 2.1 kPa)
- Suitable for all exposure zones
- Suitable for all seismic zones
- May be used with timber framing, lightweight steel framing (with thermal break), and compliant cladding systems

5.2 Limitations

- Where within 1 m of a boundary, compliance with C/AS1 or C/AS2 required
- All fixings must comply with E2/AS1 & NZS 3604
- Not to be used as structural framing or bracing
- Stud centres max. 600 mm
- Battens designed only to support cladding

6. Conditions of Use

Installation must comply with:

- Paragraph 9.1.8.1 of E2/AS1 or E2/AS4
- Fixing requirements of Table 24, E2/AS1 or E2/AS4
- BRANZ Bulletin 673 for structurally fixed cavity battens
- Thermal break for steel framing applications

7. Independent Testing and Engineering Validation

7.1 Scion Research Testing

- SPP engaged Scion Research to assess cavity batten capacity under wind loading.
- Testing followed AS/NZS 4063.1:2010 methodology.
- Span: 550 mm, Load head span: 183 mm, Loading speed: 4.5 mm/min.

Results

Test Ref	Width (mm)	Depth (mm)	Max Load (N)
Test 1	35.52	44.82	1952
Test 2.1	34.70	44.76	2577
Test 2.2	34.28	44.61	2287

7.2 Fastener Testing

Ecko Fastening Systems (Job #20094) conducted pull-out tests using T-REX17 Jolt Head 316 Stainless Steel screws into 19 mm H3 primed Radiata Pine weatherboards.

Embedment: 30 mm. Results exceeded E2/AS1 requirements.

8. Summary

Southern Pine Products Ltd confirms that when installed correctly, the SPP Structurally Fixed Cavity Batten (45 x 45 mm) complies with NZ Building Code B1 (Structure), B2 (Durability), and E2 (External Moisture).

9. Referenced Standards

MBIE E2/AS1, E2/AS4, VM1
AS/NZS 4063.1:2010
AS/NZS 5068:2008
AS/NZS 3640:2003
AS1649
NZS 3602:2003
NZS 3603
NZS 3604:2011
BRANZ BU411, BU582



Clinton Laing
General Manager
Southern Pine Products Ltd
Signed on behalf of Southern Pine Products Ltd