

CLASS 1

BUILDING PRODUCT INFORMATION SHEET

Product name:

Superstrand Sarking

Product description and its intended use

Reconstituted Wood Panel - for roof sarking, Square Edge (SQ)

3,600 x 1,200 x 16.3 mm - SQ

3,600 x 800 x 16.3 mm - SQ

2,400 x 1,200 x 16.3 mm - SQ

Place of manufacture:

New Zealand

Legal and trading name of the manufacturer(s):

Juken New Zealand Limited

Address for service:

Tenancy 1, Level 6, Tower 1, 205 Queen Street, Auckland 1010

Website: www.jnl.co.nz

Email address: info@jnl.co.nz

Phone No. (09) 373 3933

NZBN 9429039201188

Relevant Building Code Clauses:

B1 Structure: B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (g), (h) and (q), B1.3.4(d).

B2 Durability: B2.3.1 (b)

E2 External Moisture: E.2.3.2.

F2 Hazardous Building Materials: F2.3.1.

Statement on how the building product is expected to contribute to compliance:

B1 Structure: B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (g), (h) and (q), B1.3.4 (d). Superstrand™ Sarking meets the requirements for loads arising from self-weight, gravity loads, temperature, snow, wind and creep.

B2 Durability: B2.3.1 (b) 15 years. Superstrand™ Sarking meets this requirement.

E2 External Moisture: E.2.3.2. When used as part of the roofing system, Superstrand™ Sarking contributes to meeting this requirement.

F2 Hazardous Building Materials: F2.3.1. Superstrand™ Sarking is Formaldehyde Emission - E₀

Manufactured in accordance with AS/NZS 1859.1:2017 (STD), and Preservative Treated to AS/NZS 1604.1:2022 for Hazard Class H3.

Refer to BRANZ Appraisal 703

Limitations on the use of the building product:

Superstrand™ Sarking

- must be kept dry under cover and be stacked horizontally on, uniform thickness, bearers/fillets at 1,200 mm maximum spacing, extending full width of panel, allowing air circulation.

- is not for external use, and should not to be exposed to persistent dampness or condensation.

- must only be used under membranes that meet the requirements of the NZBC, such as those covered by NZBC Acceptable

Solution E2/AS1, or membranes covered by a valid BRANZ Appraisal, subject to the approval of the membrane supplier.

- Superstrand™ Sarking should not be exposed to ongoing weathering, or subjected to water immersion, e.g. flooding, or to sub-zero temperatures while in a wet condition.

- requires separation or protection to be provided to Strandboard™ Sarking from heat sources such as fireplaces, heating appliances, flues and chimneys. Part 7 of NZBC Verification Method C/VM1 and Acceptable Solution C/AS1, and Acceptable

Solution C/AS2 provide methods for separation and protection of combustible materials from heat sources.

- The serviceable life of the product may be affected if the surface temperature exceeds 50°C for long periods.

Design requirements that would support the use of the building product:

Superstrand™ Sarking has been appraised for use as a roof sarking material under shingles or other similar types of roofing products weighing up to 150 kg/m².

- Timber roof framing must comply with NZS 3604, or be to a specific design in accordance with NZS 3603 and AS/NZS 1170.

- Edges of panels at gutters or eaves must be protected by drip edges, flashings, fascia trims or similar.
- Where blocking is required, this must be as close as possible to the edge of the Superstrand™ Sarking panel. The maximum cantilever length allowed along the edge of a panel is 120 mm.
- Superstrand™ Sarking panels must be installed such that there is a minimum 100 mm air gap between the underside of the panel and any roof insulation material.
- The maximum exposure period for Superstrand™ Sarking before being clad with the roofing system is 8 weeks.

Maximum Spans

Maximum Imposed Cladding Weight, Maximum Span Between Support Centres

- 150 kg/m², 600 mm or
- 50 kg/m², 900 mm

Snow

- Superstrand™ Sarking is suitable for use in areas where buildings are designed for a 1 kPa snow loading. Superstrand™ Sarking is able to take snow loads of up to 4.5 kPa, however this will require specific engineering design of the supporting structure.

Wind Zones

- Superstrand™ Sarking is suitable for use in all NZS 3604 Wind Zones up to, and including, Extra High, with correct fixtures and design.

External Moisture

- Superstrand™ Sarking must only be used under membranes that meet the requirements of the NZBC, such as those covered by NZBC Acceptable Solution E2/AS1.



Installation requirements:

Installation Skill Level Requirements

- Installation must always be carried out under the supervision of, a Licensed Building Practitioner (LBP) with the relevant Licence Class.

General

- Check that the roof framing provides an in-plane surface for fastening the Superstrand™ Sarking onto. Trusses or framing should be shimmed as necessary to provide this. If framing, or the top chord of trusses, are warped or bowed, install blocking to straighten.
- Ensure that adequate roof space ventilation is provided.
- Lay the Superstrand™ Sarking panels onto the roof framing in a staggered pattern.
- Superstrand™ Sarking panels should be laid continuous over at least two spans (three trusses or framing members). Where this is not possible, then blocking must be used under the unsupported edges.
- A 3 mm gap must be left between each Superstrand™ Sarking panel in order to allow for normal expansion of the panels in service. Failure to provide an adequate gap may result in panels distorting, causing visual impairment to the plane of the roof.
- A 5 mm clearance must be left between Superstrand™ Sarking panels and any other elements protruding through the roof such as vent pipes. Greater clearances than this may be required around flues and chimneys.
- Fixings must be positioned no closer than 10 mm from the panel edges and at the maximum spacings as follows.

Wind Zone as per NZS 3604	Fixing Centres [mm]	
	Panel Ends	Intermediate Supports
Up to, and including, High	150	150
Very High and Extra High	150	100



Maintenance requirements:

Superstrand™ Sarking should not need maintenance during its serviceable life. Any areas of damage that are noticed should be repaired immediately.

Adequate ventilation must be maintained to ensure the suitable ongoing performance of the roof. Roofing material suppliers should be consulted in order to ascertain the specific venting details and requirements for their particular system.

Section 26 of the Building Act 2004

These products are not subject to a warning or ban under section 26 of the Building Act 2004.

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