

A high density reconstituted wood panel for use as a roof sarking material under roofing.

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## Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Laminex confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark  
[BRANZ-CM-1005- Rev1](#)  
BRANZ Appraisal  
[891 \(2015\), 946 \(2016\)](#)  
BRANZ  
[CodeMark Certificate - 1006](#)



The following information has been provided by Laminex demonstrating how this product complies with the [Building Product Information Requirements](#).

## Technical Statement

### Product Class

CLASS 1

### Product Description

Strandsarking is a high-density wood-based panels are manufactured for Laminex New Zealand®, primarily for use as a roof sarking under the trademark Strandsarking®.

Panels are produced by pressing strands of wood together under heat and pressure. Strandsarking is treated to hazard class H3.1 to provide resistance from fungal decay. The process uses a highly durable formaldehyde free resin, wax and non-solvent based organic preservatives. This provides improved moisture resistance and durability.

It is nominally 16.3mm thick and has a textured surface to provide a more slip resistant surface than is available with smooth sanded panel products.

Sheet size: 3600 (l) x 800 (w) x 16.3mm (t) (2.88m<sup>2</sup>). Weight 11kg/m<sup>2</sup> - 32kg / sheet. All measurements are nominal.

### Scope of use

Strandsarking applications include:

For use in residential, commercial and industrial roofing applications with a minimum roof pitch of 2 degrees. (Low slope membrane roofs).

For use in residential, commercial and industrial roofing applications with a minimum roof pitch of ≥9 degrees. (Pitched roofs).

Sheets are fixed to trusses, rafters or purlins and can be used in wind zones up to and including Extra High as specified in NZS 3604.

Strandsarking has an 8 week weather exposure time.

The design has been carried out using loads derived from NZS 3604 with the use of design combination factors as specified in AS/NZS 1170 and deflection limits as suggested in AS/NZS 1170.

The panel and fixing designs have been carried out to NZS 3603 - the New Zealand Timber Structures Standard.

Refer to the Strandsarking Technical information for limitations and installation details.

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(b), B1.3.3(c), B1.3.3(g), B1.3.3(h), B1.3.3(q), B1.3.4

Strandsarking Low Slope Roofs - CodeMark Certificate BRANZ-CM-1006 - BRANZ Appraisal No. 946.



## masterspec partner

### Company Contact Details

**strandsarking**

Brand: Laminex

Company: Laminex New Zealand

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AUCKLAND

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Website: <https://www.laminex.co.nz/about-laminex/brands/strand>

Strandsarking Pitched Roofs - CodeMark Certificate BRANZ-CM-1005 - BRANZ Appraisal No. 891.

- **Clause B2 Durability:** Performance B2.3.1(b)

Strandsarking Low Slope Roofs - CodeMark Certificate BRANZ-CM-1006 - BRANZ Appraisal No. 946.

Strandsarking Pitched Roofs - CodeMark Certificate BRANZ-CM-1005 - BRANZ Appraisal No. 891.

- **Clause E2 External moisture:** Performance E2.3.2

Strandsarking Low Slope Roofs - CodeMark Certificate BRANZ-CM-1006 - BRANZ Appraisal No. 946.

Strandsarking Pitched Roofs - CodeMark Certificate BRANZ-CM-1005 - BRANZ Appraisal No. 891.

- **Clause F2 Hazardous building materials:** Performance F2.3.1

Strandsarking Low Slope Roofs - CodeMark Certificate BRANZ-CM-1006 - BRANZ Appraisal No. 946.

Strandsarking Pitched Roofs - CodeMark Certificate BRANZ-CM-1005 - BRANZ Appraisal No. 891.

## Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Strandsarking has CodeMark certificates and BRANZ Appraisals - and has been independently accessed as compliant with the relevant NZBC clauses.

## Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



CodeMark  
[BRANZ-CM-1005- Rev1](#)



BRANZ Appraisal  
[891 \(2015\)](#), [946 \(2016\)](#)

BRANZ  
[CodeMark Certificate - 1006](#)

## Use in Service History

Strandsarking has been distributed by Laminex New Zealand since 2012.

## Product Criteria

### Design requirements

The design has been carried out using loads derived from NZS 3604 with the use of design combination factors as specified in AS/NZS 1170 and deflection limits as suggested in AS/NZS 1170. However, it is expected that Strandsarking could deflect up to 10mm under a maintenance foot fall point load, particularly where roof framing supports are at 900mm centres. If this is of concern, scaffold planks, or similar, can be used to span across roof framing members whilst working on the roof.

The panel and fixing designs have been carried out to the New Zealand timber code NZS 3603.

The design has been carried out on the basis that the maximum temperature and humidity in the roof space is 66°C and 80%RH sustained for up to 24 hours. Further testing on the panel will be required should these values be exceeded.

The characteristic panel strength and stiffness values, as shown below, were derived from tests carried out at the conditions described in 9c above, but otherwise in accordance with AS/NZS4063.

Characteristic strength 23.9 MPa

Characteristic stiffness 4150 MPa

Note: The characteristic strength was derived from the 5th percentile value and the characteristic stiffness from the mean value, as defined in AS/NZS 4063.

### Installation requirements

Please refer to the Strandsarking Technical Installation Manual current at time of installation. Download at [Laminex.co.nz](http://Laminex.co.nz)

### Maintenance requirements

When Strandsarking is handled, installed and maintained in accordance with this literature it will meet the provisions of Clause B2 Durability (B2.3.1(b)) and as such is expected to have a serviceable life of at least 15 years.

Please refer to the Strandsarking Technical Installation Manual for full maintenance requirements.

## Warrantees

When Strandsarking is handled, installed and maintained in accordance with this literature it will meet the provisions of Clause B2 Durability (B2.3.1(b)) and as such is expected to have a serviceable life of at least 15 years.

## Company Product Information

### Environmental

Strandsarking is declared as Red List Free in the Declare Products Database. This is a globally recognized nutrition label for the building products industry, formed as part of the Living Building Challenge. Red List Free products have all ingredients disclosed in the Declare database and none of those ingredients appear on the Living Building Challenge Red List.

### Relationships



New Zealand Made

## Building Product Information Requirements

### Manufacturer

**Legal Trading Name:**

Juken New Zealand Ltd.

**Business Email:**

[sales@jnl.co.nz](mailto:sales@jnl.co.nz)

**Company Website:**

[www.jnl.co.nz](http://www.jnl.co.nz)

**Contact Number/s:**

+64 09 -3733933

### Importer

**Legal Trading Name:**

Laminex New Zealand

**Business Email:**

[info@laminex.co.nz](mailto:info@laminex.co.nz)

**Company Website:**

[www.laminex.co.nz](http://www.laminex.co.nz)

**Contact Number/s:**

+64 09-5714444  
0800 303606

### Product Identifier

LAMINEX STRANDSARKING

### Warnings

This product has no warnings associated with it.



Date last validated: **29 January 2025**



Date last updated: **29 January 2025**

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