

# StrandSarking provides a sound substrate to install on



## **StrandSarking is an H3.1 treated strand board; designed by Juken New Zealand specifically as a substrate for asphalt shingles to be installed in New Zealand.**

### **Product benefits**

#### **Lightweight**

Viking Roofspec's pitched roofing systems installed over StrandSarking with a total weight of up to 25kg/m<sup>2</sup> may be considered 'light-weight' for design purposes in accordance with NZS3604.

#### **H3.1 Treated**

The New Zealand Building Code sets the minimum standard. It does not require a treated substrate, for asphalt shingles, unless the building has a skillion roof. StrandSarking follows best practice by providing a treated substrate, at no additional cost, providing peace of mind for building owners.

#### **Solvent-free treatment**

The azoles and permethrins used to protect the board against fungal decay and insect attack respectively are water-based treatments, so no solvents are used. The preservatives used are organic biodegradable compounds.

#### **Method of treatment**

Juken's manufacturing process ensures that every strand is treated to H3.1 before the board is made. This ensures that the treatment is distributed throughout the full thickness of the board (unlike mainstream treatment processes). Any cuts edges or penetrations do not require further sealing in order to maintain full protection.

### **Japanese precision / NZ product**

StrandSarking is manufactured in Kaitiaki by Japanese-owned Juken New Zealand – using New Zealand timber, employing locally, and manufacturing to the exacting standards that the Japanese have become world-renowned for.

### **A more rigid substrate**

This minimises the propensity for the board to sag between trusses; thus creating a flatter and more pristine looking roof.

### **Better board dimensions**

3600mm x 800mm is the same in area as a traditional 2400mm x 1200mm plywood, except:

- The narrower board is easier for installers to handle, carry and pass up through the trusses and onto the roof
- The extra length spans an extra truss; resulting in a stronger substrate and less double-nailing at sheet edges

### **Square-edged profile**

- This eliminates the need to align unforgiving tongue-and-groove joints, saving on labour costs.
- StrandSarking has no face grain so it can be laid in any direction with a maximum span of 900mm resulting in less wastage

### **Membrane Roofs**

StrandSarking has been appraised as an appropriate substrate for membrane roofs down to a minimum pitch of two degrees.

# Pristine Roofing Finish – Residential Home, Northland

## THE CHALLENGE

On a stunning property in Northland, a new two-storey home was being built on the waterways. The skillion roof design required a treated substrate and the home owner was looking for a pristine roof finish.

Skillion roofs are where the ceiling follows the same line as the roof cladding resulting in a much smaller cavity. The building code requires all timber within a skillion roof to be treated.

## THE SOLUTION

StrandSarking was the chosen substrate solution for this new home, used in conjunction with the CertainTeed Landmark shingle. It offered a cost-effective treated substrate solution as required by the building code.

For the home owner it offers:

- **A lightweight roof.** Viking Roofspec's pitched roofing systems installed over StrandSarking with a total weight of up to 25kg/m<sup>2</sup> may be considered 'lightweight' for design purposes in accordance with NZS3604.
- **A more pristine looking roof.** As StrandSarking is more rigid and spans further than plywood, it reduces the visibility of sheet joints and any unevenness in the structure; creating a flatter and sharper looking roof.
- **A treated substrate.** StrandSarking provides the homeowner the peace of mind of an H3.1 treated timber substrate without the additional cost.
- **An environmentally friendly alternative.** The azoles and permethrins (treatment) used to protect the board against fungal decay and insect attack, are water-based, so no solvents are used. The preservatives used are organic biodegradable compounds.

As well as the added benefits above, as an installed system it is also more cost-effective than a plywood substrate.

In addition to the home owner, the installers who completed the work found that StrandSarking was:

- Faster and easier to install as there is no tongue and groove requirements
- Easy to handle, carry and pass-up through the trusses and onto the roof due to the narrower (800mm) sheet width
- With every strand of the board exposed to the preservative treatment, cut edges do not require further treatment on site

- Provides less wastage; StrandSarking has no face grain so it could be laid in any direction, with a maximum span of 900mm

## THE RESULT

“StrandSarking provides a sound substrate to work off, which is particularly important in two storied situations. When combined with the Viking Peel and Stick Membrane the building was immediately watertight even before the roof was completed”

– Craig Cogan, Builder

