

## JUKEN NISSHO

### A GROWING PRESENCE IN NEW ZEALAND

By making a major commitment to the New Zealand forestry and wood-processing industries, Juken Nissho has become an important part of the community in Northland, the Wairarapa and the East Cape, creating employment for over 800 New Zealanders.

Our long-term commitment to the New Zealand forestry and processing industries, and our philosophy of building success over time, is easily seen. Juken Nissho has invested over \$200 million in forests, and another \$200 million in establishing three high-tech mills for New Zealand pine. The Triboard mill in Kaitaia produces Triboard, Strandboard and Spaceboard. Our Masterton and Gisborne mills produce Plywood, LVL, SLVL, LL and Kiln Dried Lumber. Each Juken Nissho mill features state-of-the-art technology that has been specifically selected for processing New Zealand pine. Our technology, combined with Juken innovation, provides an extensive range of engineered wood products for both local and export markets. An ongoing research and development programme ensures that our New Zealand pine resource continues to be processed into high-quality engineered wood products.

#### THE ENGINEERED WOOD PRODUCTS OF JUKEN NISSHO

##### Triboard

Triboard is a three-layered panel that has a wood-strand core sandwiched between surfaces of MDF (medium density fibre). The strand core, made from 0.5mm thick slices of wood, provides superb screw holding

and dimensional stability, while the MDF surfaces provide a smooth finish for painting or overlaying. Triboard was developed specifically for panel construction uses, such as housing and apartments.

##### Spaceboard

Spaceboard is a low-density version of Triboard used for partitions and for light-weight solid doors.

##### Strandboard

Strandboard was designed specifically for the high-density flooring market. It has a high-level of aesthetic appeal when clear finished.



Pictured from top to bottom: Kaitaia, Wairarapa and Gisborne mills.

##### Superstrand

Superstrand is a high quality, high density tongued and grooved, all purpose flooring system, particularly suited to platform flooring construction.



##### Laminated Veneer Lumber (LVL)

Juken Nissho's Masterton and Gisborne mills have been developed to supply LVL and plywood for a wide range of building needs - from full panels through to engineered framing and structural products.

##### Structural Laminated Veneer Lumber (SLVL)

SLVL was developed by Juken as a high-quality structural building material for the construction of traditional post and beam houses in Japan and has JAS approval for building use. It's extremely strong for its weight and comes in a wide range of thicknesses to suit a variety of structural applications, such as garage door and long span window lintels, floor joists, posts, beams and portal frame structures.

##### Laminated Lumber (LL)

LL consists of high quality clear wood panels that are laminated from finger-jointed and edge-glued lumber. LL is used for building, furniture and joinery.

##### Kiln-Dried Lumber

For selected clients, we produce Kiln-Dried and Machine Stress-Graded lumber for building.

#### RENEWABLE RESOURCE

In 1990, Juken Nissho purchased major Crown Forest licences in three regions of New Zealand. In Northland, the Aupouri and Otangaroa forests together with other leased forests have a productive area of 30,000 hectares. In the Wairarapa, the Ngaumu forest has 10,000 hectares of New Zealand Pine, plus 1,400 hectares of Douglas Fir and Corsican Pine. On the East Cape, the planted area of the Wharerata and Patunamu forests, plus later purchases, amount to nearly 16,000 hectares.



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## BUILDING A BETTER FUTURE

### TRIBOARD

Triboard was developed specifically for panel construction uses, such as housing and apartment buildings. All walls, interior and perimeter, doors and ceilings can be made from Triboard. Wall panels used are typically 36mm thick. This proven upmarket construction methodology has many advantages over conventional construction methods.

Triboard panel construction enables stronger, faster and smarter building solutions. The strand core provides excellent screwholding and gives the product a distinct robustness. The fibre surfaces provide strength and finish. Triboard facilitates faster installation times and reduced installation costs. Using Triboard, designers have greater scope in both design and application.



TRI  
BOARD

SPACE  
BOARD

STRAND  
BOARD

SUPER  
STRAND  
BOARD



### STRANDBOARD

Strandboard was designed specifically for the high density flooring market. An additional feature is its aesthetic appeal when clear finished. Strandboard is often specified by customers and architects as the preferred visual appearance and is sometimes enhanced with colour washes and inlays. Demand is also developing for unsanded strandboard particularly for decorative applications.



Superstrand high quality tongue and groove flooring

### Fire Ratings

A significant speciality application for Triboard is its use in 15 minute, 30 minute and 1 hour fire doors. Triboard can also be used for up to 1½ hour fire-rated inter-tenancy walls.



Fire door test

### SUPERSTRAND

Superstrand is easier to install than square edge flooring. It is manufactured to the same high quality standard as square edge Strandboard.

### SPACEBOARD

Spaceboard is a low density version of Triboard used for partitions and for light-weight solid doors.



Sanded Strandboard (above)  
and unsanded Strandboard (below)

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