



J-FRAME | J-FORM | J-PLY |

# j-plank®

SCAFFOLD PLANK

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

Example application shown



**J-PLANK** is a structural laminated veneer lumber scaffold plank made from 100% renewable plantation wood resources - Radiata Pine. It is an essential part of any construction project where safe off ground work and movement is required.

Strong, durable and reliable, it's non-corrosive, made to be walked on and can stand up to the elements.

As an independently certified engineered wood product it is made in accordance with strict quality and environmental standards.

## Product specifications

### Veneer

Thickness	4.1mm (nominal)
Species	Radiata Pine (Density Average 500kg/m <sup>3</sup> )
Grade	S (grade per) AS/NZS 2269
Joints Face	Scarf
Joints Other	Scarf

**Moisture content** 7%-15%

### Dimensional tolerances

Length	-0 + 20mm
Width	-0 + 5mm
Thickness	-0 + 3mm

**Density (mean)** 550kg/m<sup>3</sup> (approximately)

**Bonds** Type A (phenolic formaldehyde)  
AS/NZS 2098.2  
AS 2754.1

**Finish** High quality veneers are used for the surface of the planks, creating a surface which exceeds the minimum sliding resistance of 250N in transverse and longitudinal directions. Splintering is minimised by edge dressing and sanding of Face & Back. All longitudinal edges are arrissed (clean edged).

### Marking

The following details are branded along the face or edge of each plank:

<b>IDENTIFICATION:</b>	<b>J-PLANK</b> Scaffold Plank / <b>J-PLANK</b>
<b>STANDARD:</b>	OSHA or AS 1577 & AS/NZS 4357.0
<b>WORKING LOAD LIMIT (WLL):</b>	WLL 210kgs
<b>MAXIMUM SPAN:</b>	Max Span 1.8 metres (m) at WLL or determined in accordance with OSHA, standards 29 CFR 1926.451 and subpart L, Appendix A.
<b>PAA CERTIFIED MILL NUMBER:</b>	Mill 922 or 921
<b>MANUFACTURER:</b>	JNL

The following details are branded along the face of each plank:

<b>INDIVIDUAL PLANK NUMBER:</b>	MM/YY/plus incremental unique no.
<b>GRADING:</b>	M = machine graded
<b>PRODUCT CERTIFICATION MARK:</b>	EWPA and JAS-ANZ brands are along the face of each plank and/or PROOF TESTED to comply with OSHA standards along the edge.



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## Working loads

### Technical data for J-PLANK

J-PLANK SIZES WIDTH x THICKNESS	APPROXIMATE MASS kg/m	Per AS/NZS 1577-1993 scaffold planks	
		WORKING LOAD LIMIT (WLL) kg	MAXIMUM SPAN m (at WLL)
230 x 39	4.9	210	1.8 (or OSHA standard)*
230 x 42	5.3	210	1.8 (or OSHA standard)
230 x 45	5.7	210	1.8 (or OSHA standard)

Standard lengths 3.0, 3.6, 4.0, 4.8 and 6.0m

\*See attached maximum spans for Load-OSHA

## Proof testing

The **J-PLANK** scaffold planks are rigorously proof tested. Juken's plank testing meets the testing requirements of AS1577 or OSHA.

Standard verification testing is regularly completed both in the mill and by the EWPAA (independent third party). The tests are as follows:

- Bond quality "A" bond board chisel test (dry, in house test).
- Bond quality "A" bond chisel test (wet, 72 hour boil in accordance with AS/NZS 2098.2).
- Bond quality "A" bond samples submitted to EWPAA for independent AS/NZS 2098.2 testing as per EWPAA certification requirements.
- Strength - each plank is loaded to 210kg ensuring deflection is within standard as per AS1577.
- Each and every veneer used in the manufacture of **J-PLANK** scaffold planks is visually graded according to AS/NZS 2269 "S" grade veneer standard as well as Metri-guarded individually.



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## Care maintenance and storage

**J-PLANK** scaffold planks are compliant with Australian standards AS 1577. Each plank is tested at the time of manufacture. To ensure plank integrity do not cut, alter or damage planks.

Care in the use and storage of **J-PLANK** scaffold planks will ensure maximum service life and continued safe performance.

Maintenance involving regular inspection and proof testing is necessary to ensure detection and removal from service of those planks that are reaching the end of their service life.

### Avoiding damage

Misuse of **J-PLANK** may cause the product to become damaged and unsafe. The following recommendations are made to avoid this happening:

- Heavy materials should not be dropped onto **J-PLANK**
- **J-PLANK** should not be dropped from excessive heights
- **J-PLANK** should not be used over spans greater than those recommended
- Avoid burns to **J-PLANK** from oxy cutting or welding
- **J-PLANK** should not be used as a saw bench. Shallow saw cuts reduce strength
- **J-PLANK** should not be driven over by vehicles or used as crossover boards for vehicles

### Chemical effects

Moderate strength acids or alkalis (pH range 2 to 10) will have little effect on **J-PLANK**.

Strong acids and alkalis will attack the natural lignin which binds wood fibre and cause loss of strength. Regular proof testing of planks used in these situations is recommended.

### Fungal decay

Decay is unlikely when planks are installed, and stored properly. They are tolerant of changeable weather conditions, but wet storage for prolonged periods will encourage fungal decay (e.g. surface mould).

Typically decay in planks has resulted from wet planks being stored with little or no separation or ventilation. Planks that remain wet for long periods (months) are likely to result in fungal decay.

Planks that show signs of fungal decay should be dried and tested for confirmation of strength before re-use.

### Storage recommendations

- Dry Planks
  - No special requirement if stored under cover
  - Stack as for wet planks if stored outside
- Wet Planks
  - Stack on level bearers clear of the ground with spacers between layers
  - Stack in a dry, well ventilated location and ensure spacers are aligned with bearers
  - Bearers/spacers per layer should not be more than 2.0m apart

## Juken New Zealand Ltd

**J-PLANK, J-FORM, J-PLY, J-FRAME** and other high quality wood products are manufactured by Juken New Zealand Ltd. We have a proud reputation for producing **high quality, innovative and functional wood** products using **modern, environmentally-friendly** methods and materials. We only use wood from **sustainably managed plantation forests** - mainly our own radiata pine forests which are located close to our manufacturing plants.

#### Limitations

All products and relative statements within this document are subject to the applicable products being installed, removed, stored and handled in accordance with information mentioned, and subject to any governing codes of practice. Juken New Zealand Ltd retains the right to change specifications without notice in accordance with its policy of continued product development. Every care has been taken in preparing the information contained within this publication, however, the company cannot accept responsibility for any inaccuracies that may have arisen, and cannot accept liability for loss or damage either direct or consequential arising out of or in relation to use or application of the said information.

Health and safety precautions must be taken when handling large products. Refer to relevant Material Safety Data Sheets (MSDS) which are available from the product manufacturer

