

NP PLANK

LVL SCAFFOLD PLANK

SAFETY

NP PLANK is manufactured from NelsonPine LVL (Laminated Veneer Lumber). The structural uniformity of LVL makes it the perfect solution for a safe, lightweight scaffold plank. Each NP PLANK is made from many layers of thin veneer, which increases the reliability and strength of the product.

NP PLANK DATA	Nominal Section:	39mm x 230mm
	Length:	As required between 1.8m and 6.0m
	Unit Weight:	5.4 kg/m

RELIABILITY

Strength and Stiffness Verification

- Every NP PLANK is individually proof tested to verify that it conforms to AS 1577 requirements before being branded as a scaffold plank.
- Modulus of Rupture and Modulus of Elasticity are frequently tested throughout the LVL Production run in accordance with the requirements of the Engineered Wood Products Association of Australasia (EWPAA).

DURABILITY

Branding of Product

- Each plank is permanently embossed with the following information: **NP PLANK, PROOF TESTED SCAFFOLD PLANK, EWPAA MILL 919, AS1577, WLL 210kg, MAX SPAN 1.8m and Manufacturing Reference No.**

Scaffold Plank Finish

- Unsanded surface finish, rounded edges for splinter free handling.

SUSTAINABILITY

Applicable Design Standards

- AS/NZS 4357.0:2005 Structural Laminated Veneer Lumber.
- AS 1577 - 1993 Scaffold planks.

ALLOWABLE SPAN TABLE AS 1577 - 1993	
WORKING LOAD LIMIT (WLL) kg	MAXIMUM SPAN
210	1.8



Cautions:

Avoid Damaging Scaffold Planks

- Do not use planks over greater spans than those recommended by these tables.
- Do not drop or throw scaffold planks from excessive heights.
- Do not overload scaffold planks. If planks are over loaded then they must be removed and tested before reuse.
- Do not drive vehicles over scaffold planks.
- Notching or shallow cuts in planks reduce strength.
- Take precautions against slag burns from gas cutting or welding.

Chemical Effects

- The phenolic resin used to bond NP Plank veneers is highly resistant to the action of chemicals. The Radiata Pine veneers, however are susceptible to chemical attack. The risk of damage is related to the concentration and temperature of the chemical solution. NP PLANK will largely be unaffected by exposure to moderate strength acids or alkalis (pH range 3-9). Strong concentrations of acids or alkalis will however affect lignin which binds the wood fibre. Planks used in these conditions should be regularly evaluated before reuse.

Decay

- Under normal service conditions, planks subjected to wetting and drying cycles will not decay.
- Typically decay is caused by improper storage practices: see "Recommendations for Storage".
- Decay can affect the structural performance of planks and any planks found with decay should be removed from service, allowed to dry then evaluated before reuse.

Recommendations for storage

- Dry planks can be stacked on top of one another, well clear of the ground and covered to keep dry
- The stack should be level, neatly stacked and supported on bearers approximately 2m apart to prevent unnecessary bending.
- Wet planks should be stacked in a dry, well ventilated area clear of the ground, with spacers/fillets between each layer to allow air flow to dry out the planks.
- It is recommended that spacers/fillets are to be spaced approximately 2m apart.

Inspection

- Regular inspection is strongly recommended. Any plank that shows signs of misuse or is suspect of damage should be withdrawn from use pending evaluation of performance.



Each plank is individually proof tested for compliance with strength and stiffness specifications.



Produced using state-of-the-art technology, with scarfed veneer joints for greater strength and clean surface finish.



NelsonPine **LVL** is made from 100% renewable plantation pine.



Nelson Pine is environmentally friendly, with ISO 14001 certification.



EWPAAS JAS/ANZ Certified to the Australian/New Zealand Standard AS/NZS 4357.0:2005 for Structural LVL.



The Nelson Pine plant on the shores of Tasman Bay

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