



TECHNICAL GUIDE

TECH GUIDE

P21

PWT LVL

SCAFFOLD PLANK

PWT FOCUSED ON EWP



There's Strength in Numbers!

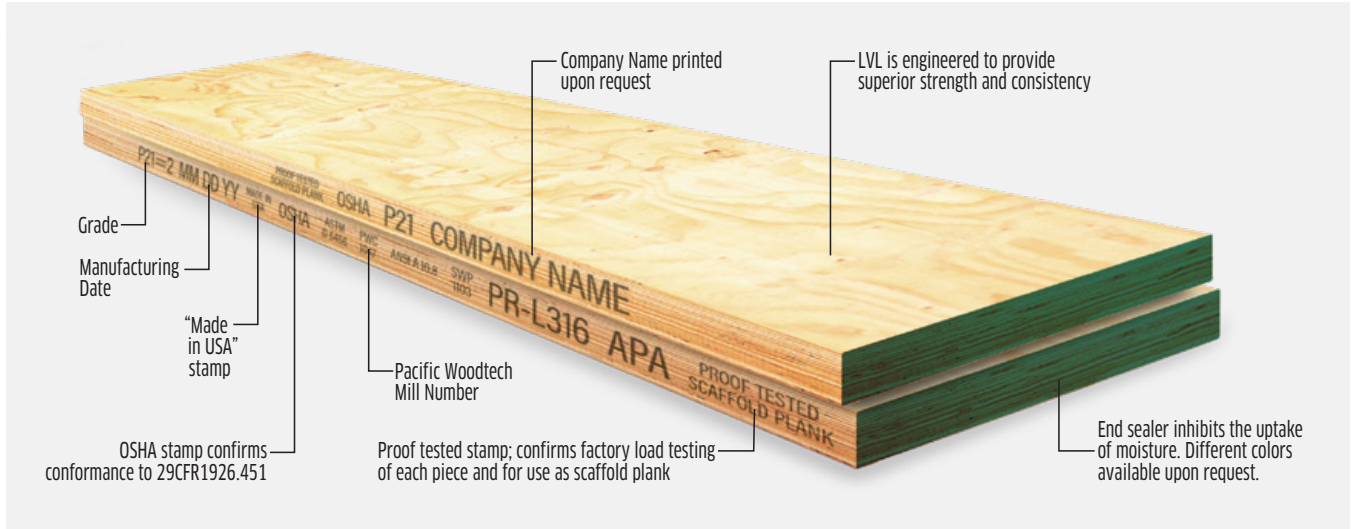
PWT LVL scaffold planks are built to be safe, strong, and cost-effective.

- Simply a Better Alternative. Through advances in technology, there is a better choice—PWT LVL scaffold plank. It is simply a better alternative than traditional sawn lumber.
- Uniform Strength, Stiffness, and Safety. Uniform strength, stiffness, and walking surfaces means more predictable planks, resulting in a safer work environment.

- Reliable. Each piece of PWT LVL scaffold plank is proof tested, meets OSHA standards, and is certified by APA.
- Cost-Effective. PWT LVL scaffold plank is built smart and strong—when properly cared for, it will last for many years, so your initial investment pays off.

PWT adheres to the highest quality-control standards and implements the toughest performance testing. It just doesn't get any better.

Product Identification



There are many grades of laminated veneer lumber (LVL). Only use LVL with the label "Proof Tested Scaffold Plank."

P21 (USA) LVL Scaffold Planks

ALLOWABLE SPANS

Plank Size (in)	1-1/2 x 9-1/4* 1-1/2 x 9-1/2*	1-1/2 x 11-1/4* 1-1/2 x 11-3/4*	1-3/4 x 9-1/4* 1-3/4 x 9-1/2*	1-3/4 x 11-1/4 1-3/4 x 11-3/4
Plank Weight	3.60 plf	4.38 plf	4.20 plf	5.11 plf
1 Span (Dry)	50 psf	10'-0"	10'-0"	10'-0"
	75 psf	9'-3"	9'-3"	10'-0"
	1-Person	10'-0"	10'-0"	10'-0"
	2-Person	8'-2"	9'-1"	10'-0"
2 Span (Dry)	3-Person	5'-7"	6'-3"	7'-9"
	50 psf	10'-0"	10'-0"	10'-0"
	75 psf	9'-5"	9'-5"	10'-0"
	1-Person	10'-0"	10'-0"	10'-0"
1 Span (Wet)	2-Person	8'-1"	9'-3"	10'-0"
	3-Person	5'-9"	6'-7"	7'-3"
	50 psf	9'-2"	9'-2"	10'-0"
	75 psf	7'-7"	7'-7"	8'-10"
2 Span (Wet)	1-Person	6'-9"	8'-0"	8'-11"
	2-Person	6'-5"	7'-1"	7'-7"
	3-Person	4'-4"	4'-10"	5'-2"
	50 psf	9'-2"	9'-2"	10'-0"
1 Span (Wet)	75 psf	7'-7"	7'-7"	8'-10"
	1-Person	8'-5"	10'-0"	10'-0"
	2-Person	6'-0"	6'-9"	7'-4"
	3-Person	4'-5"	4'-11"	5'-4"

* When this product is wet, MC > 16%, it does not meet the ANSI/ASSP A10.8 requirement that a wood plank be capable of supporting one person loading at 10' span.

Notes

1. Allowable spans are for planks in new or like-new condition and are based on design values and loading determined in accordance with ASTM D5456, ANSI/ASSE A10.8 Appendix C, and CSA S269.2.

Modulus of Elasticity (Shear-Free), $E = 2.1 \times 10^6$ psi
 Flatwise Bending Stress, $F_b = 2,350$ psi
 Flatwise Horizontal Shear, $F_v = 150$ psi

2. 1 Span means simple span, 2 Span means two equal, continuous, spans.

P21 (Canada) LVL Scaffold Planks

ALLOWABLE SPANS

Plank Size (in)	1-1/2 x 9-1/4 1-1/2 x 9-1/2	1-1/2 x 11-1/4 1-1/2 x 11-3/4	1-3/4 x 9-1/4 1-3/4 x 9-1/2	1-3/4 x 11-1/4 1-3/4 x 11-3/4
Plank Weight	3.60 plf	4.38 plf	4.09 plf	5.11 plf
1 Span (Dry)	50 psf	9'-9"	9'-9"	10'-0"
	75 psf	8'-6"	8'-6"	9'-11"
	500 lb	5'-4"	6'-5"	7'-2"
	25 psf + 250 plf	8'-6"	8'-6"	10'-0"
1 Span (Wet)	75 psf + 265 plf	6'-7"	6'-7"	8'-1"
	50 psf	9'-0"	9'-0"	10'-0"
	75 psf	7'-7"	7'-7"	8'-10"
	500 lb	3'-6"	4'-3"	4'-9"
1 Span (Wet)	25 psf + 250 plf	6'-7"	6'-7"	8'-3"
	75 psf + 265 plf	4'-11"	4'-11"	6'-1"

3. Dry means plank moisture content $\leq 16\%$, Wet means plank moisture content $> 16\%$.
4. For wet planks, multiply E by 0.82, F_b by 0.65, and F_v by 0.80.
5. Design load deflection is limited to the span divided by 60 in the US and by 80 in Canada.
6. PWT LVL scaffold planks are intended for use in accordance with OSHA in the US and OS&H in Canada regulations. Other standards or specifications might apply. Consult the scaffolding designer.

Handling and Storage Guidelines

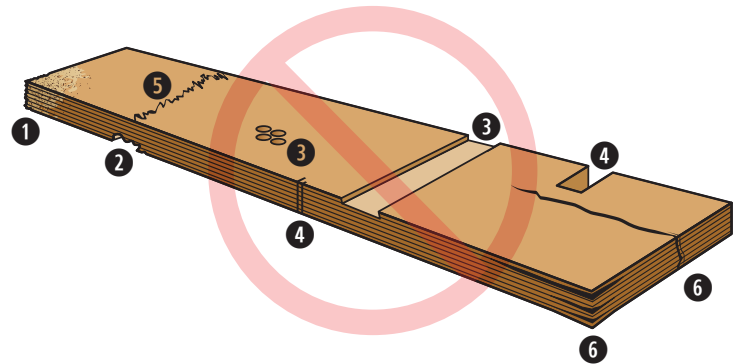
Proper storage and handling will not only protect planks from damage, but also extends the life of the plank. Carefully read the following steps to ensure optimal performance and longevity of your planks. Scaffold planks that have been damaged or improperly stored need to be removed from service immediately. **Failure to remove improperly stored or damaged planks could result in serious injury or death.**

- Store planks of similar lengths in neat bundles.
- Use stickers between layers of wet planks.
- Store bundles well clear of the ground in an area with good drainage. Use stickers on the ground and between bundles that line up vertically and are spaced no more than 8 feet apart.
- Protect stored bundles from rain, snow, and ground moisture. Allow air to circulate under tarps.
- Do not push bundles with forklift forks or other heavy equipment.
- Do not drop or throw planks.
- Do not jump or bounce on planks.
- Do not overload planks. See Design Loads and Allowable Spans.
- Do not use planks for formwork, mudsills, wheelbarrow ramps, or anything other than scaffold planks.
- Do not cut, drill, or notch planks.
- Inspect planks before each use.
- Do not use damaged planks (cut, drilled, notched, split, dented, gouged, cracked, rotted, burned, etc.).

Visual inspection for damage

Pacific Woodtech scaffold planks require a thorough inspection prior to each use. Continual visual inspection along with proper handling will ensure safe performance of the plank. Planks that display the following visual damage must be removed from service immediately:

- 1 Decay or insect damage
- 2 Dents, gouges, and depressions
- 3 Drilled holes and/or notches
- 4 Saw cuts
- 5 Face breaks
- 6 End or edge splits



SAFETY NOTE: Inspect planks before each use. Do not use damaged planks.

APA Product Report

For more technical information on design values, refer to the APA Product Report at www.apawood.org.



PWT™ LVL Scaffold Planks PWT

PR-L316

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Products: PWT™ LVL Scaffold Planks
PWT, 1850 Park Lane, Burlington, WA 98233
(888) 707-2285
www.pwtewp.com

1. Basis of the product report:
 - ASTM D5456-21e1, Standard Specification for Evaluation of Structural Composite Lumber Products
 - ANSI/ASSE A10.8-2019, Scaffolding Safety Requirements
 - CAN/CSA S269.2-16 (R2021), Access Scaffolding for Construction Purposes
 - APA Reports T2007P-18, T2009P-75, T2009P-76, T2015P-12, and T2019P-52, and other qualification data
2. Product description:

PWT™ LVL Scaffold Planks are laminated veneer lumber (LVL) scaffold planks made in accordance with the in-plant manufacturing standard approved by APA. PWT LVL Scaffold Planks are available in thicknesses of at least 1-1/2 inches, and a range of widths and lengths. The P20/P21 grade is available with rough faces. Refer to www.pwtewp.com for additional information.
3. Design properties:

Table 1 lists allowable design values for use in the U.S. in accordance with ANSI/ASSE A10.8 and working stress design values for use in Canada in accordance with CAN/CSA S269.2 for PWT LVL Scaffold Planks. Table 2 lists wet service factors, which shall be applied when the average moisture content of the planks exceeds 16%. Selection of PWT LVL Scaffold Planks shall be based on information provided in this report and the recommendations provided by the manufacturer (see link above).
4. Product installation:

PWT LVL Scaffold Planks shall be installed in accordance with the manufacturer's instructions.



Product Warranty

Pacific Woodtech Corporation warrants that its products, as manufactured, will be free from manufacturing errors or defects in workmanship and material.

This warranty is backed by the full resources of Pacific Woodtech Corporation and by underwritten product liability insurance.



1850 Park Lane Burlington, WA 98233


TF 888.707.2285

pwtewp.com

For product catalog and complete warranty details or for more information on the full line of PWT products or the nearest distributor, visit pwtewp.com.

PWT products are manufactured at different locations in the United States and Canada.



 **CAL. PROP 65 WARNING:** Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/Wood.

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NOTE: PWT periodically updates and revises its product information. To verify that this version is current, contact the nearest sales office, visit pwtewp.com, or call 888.707.2285.