



P21 SCAFFOLD PLANK PWLVL

Technical Data



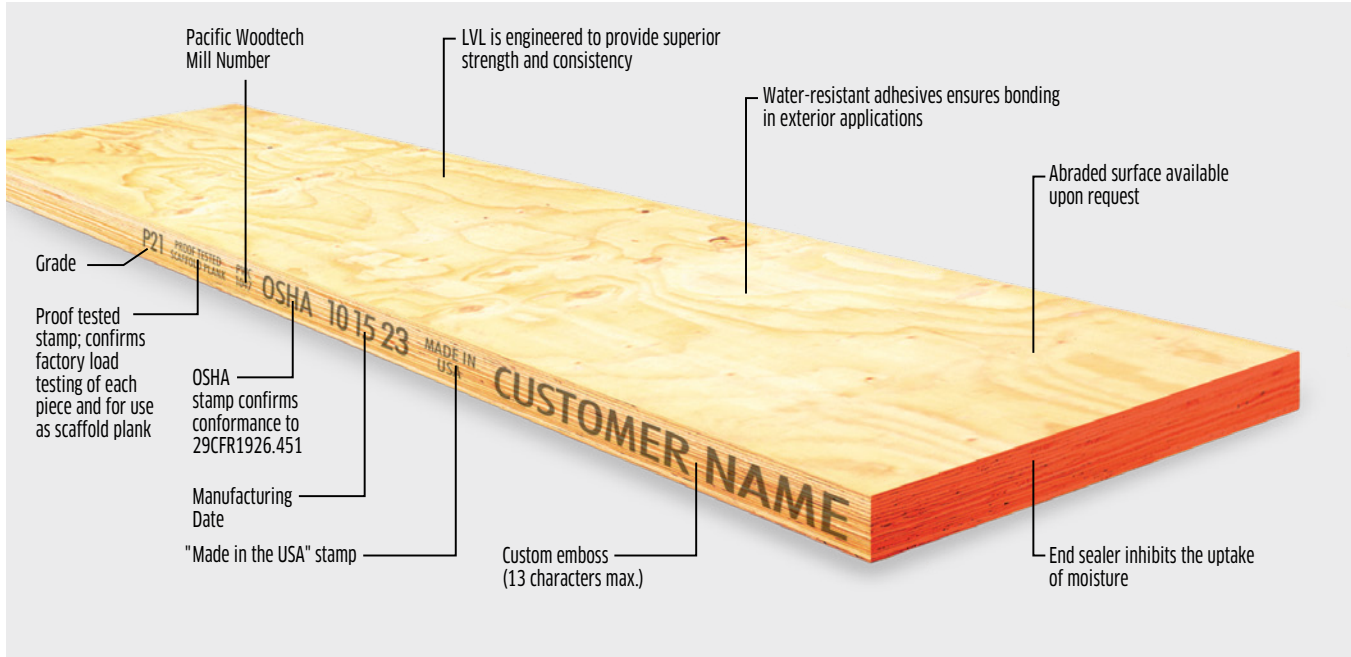
There's Strength in Numbers!

Pacific Woodtech planks are built to be safe, strong, and cost-effective.

- **Simply a Better Alternative.** Through advances in technology and design, there is a better choice — Pacific Woodtech LVL scaffold plank. It is simply a better alternative than traditional sawn lumber.
- **Safer, Stronger, Stiffer,** and more uniform walking surfaces means more predictable planks, resulting in a safer work environment. Compared to traditional plank, Pacific Woodtech scaffold plank can support heavier loads over conventional solid sawn lumber.
- **Reliable.** Each piece is proof tested, meets OSHA standards, and is certified by APA.
- **Cost-Effective.** Pacific Woodtech scaffold plank is built smart and strong—built to last for many years, so your initial investment pays off.

Pacific Woodtech 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). Use only scaffold grade for planking!

P20 (USA) LVL Scaffold Planks

ALLOWABLE SPANS

Plank Size (in)	1½" x 9¼" 1½" x 9½"	1½" x 11¼" 1½" x 11½"	1¾" x 9¼" 1¾" x 9½"	1¾" x 11¼" 1¾" x 11½"
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"
	3-Person	5'-7"	6'-3"	7'-9"
2 Span (Dry)	50 psf	10'-0"	10'-0"	10'-0"
	75 psf	9'-5"	9'-5"	10'-0"
	1-Person	10'-0"	10'-0"	10'-0"
	2-Person	8'-1"	9'-3"	10'-0"
	3-Person	5'-9"	6'-7"	8'-5"
1 Span (Wet)	50 psf	9'-2"	9'-2"	10'-0"
	75 psf	7'-7"	7'-7"	8'-10"
	1-Person	6'-9"	8'-0"	8'-11"
	2-Person	6'-5"	7'-1"	7'-7"
	3-Person	4'-4"	4'-10"	5'-2"
2 Span (Wet)	50 psf	9'-2"	9'-2"	10'-0"
	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"

Notes

- Allowable spans are for planks in new or like-new condition and are based on design values determined in accordance with ASTM D5456 and ANSI/ASSE A10.8 Appendix C. True (Shear-Free) Modulus of Elasticity, $E = 2,100,000$ psi
Flatwise Bending Stress, $F_b = 2,350$ psi
Flatwise Horizontal Shear, $F_v = 150$ psi
- 1 Span means simple span, 2 Span means two equal, continuous spans.
- Dry means plank moisture content $\leq 16\%$, Wet means plank moisture content $> 16\%$.
- For wet planks, multiply E by 0.82, F_b by 0.65, and F_v by 0.80.
- Design load deflection is limited to the span divided by 60.
- For calculations of scenarios not covered by this table, see APA Product Report [PR-L316](#) for design values.
- PWLVL scaffold planks are intended for use in accordance with OSHA regulations. Other standards or specifications might apply. Consult the scaffolding designer.

P20 (Canada) LVL Scaffold Planks

ALLOWABLE SPANS

Plank Size (in)	1½" x 9¼" 1½" x 9½"	1½" x 11¼" 1½" x 11½"	1¾" x 9¼" 1¾" x 9½"	1¾" x 11¼" 1¾" x 11½"
Plank Weight	3.60 plf	4.38 plf	4.09 plf	5.11 plf
1 Span (Dry)	50 psf	9'-7"	9'-7"	10'-0"
	75 psf	8'-4"	8'-4"	9'-10"
	500 lb	5'-4"	6'-5"	7'-2"
	25 psf + 250 plf	8'-6"	8'-6"	10'-0"
	75 psf + 265 plf	6'-7"	6'-7"	8'-1"
1 Span (Wet)	50 psf	9'-0"	9'-0"	10'-0"
	75 psf	7'-7"	7'-7"	8'-10"
	500 lb	3'-6"	4'-3"	4'-9"
	25 psf + 250 plf	6'-7"	6'-7"	8'-3"
	75 psf + 265 plf	4'-11"	4'-11"	6'-1"

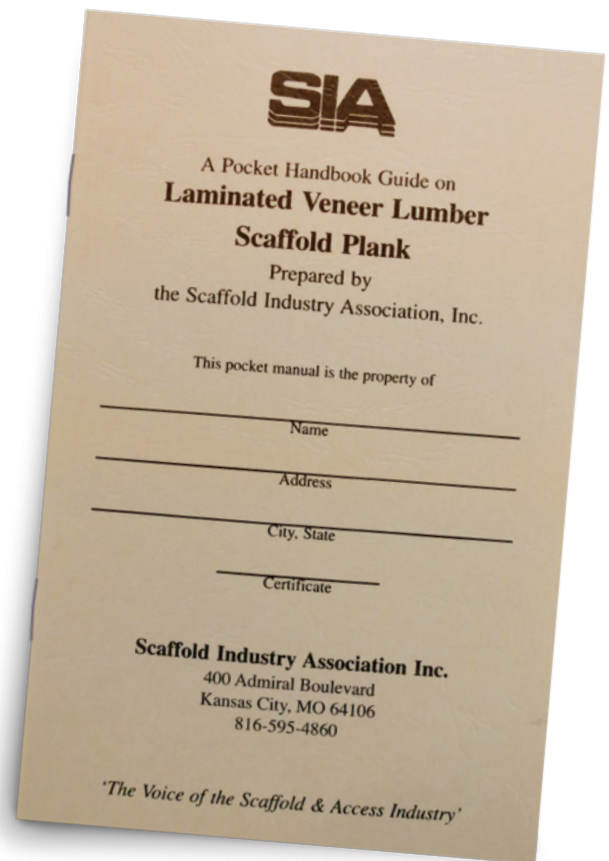
Notes

- Allowable spans are for planks in new or like-new condition and are based on design values determined in accordance with ASTM D5456 and CSA S269.2. True (Shear-Free) Modulus of Elasticity, $E = 2,100,000$ psi
Flatwise Bending Stress, $F_b = 2,350$ psi
Flatwise Horizontal Shear, $F_v = 150$ psi
- 1 Span means simple span.
- Dry means plank moisture content $\leq 16\%$, Wet means plank moisture content $> 16\%$.
- For wet planks, multiply E by 0.82, F_b by 0.65, and F_v by 0.80.
- Design load deflection is limited to the span divided by 80.
- PWLVL scaffold planks are intended for use in accordance with OS&H regulations. Other standards or specifications might apply. Consult the scaffolding designer.

Storage and Handling Recommendations

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).

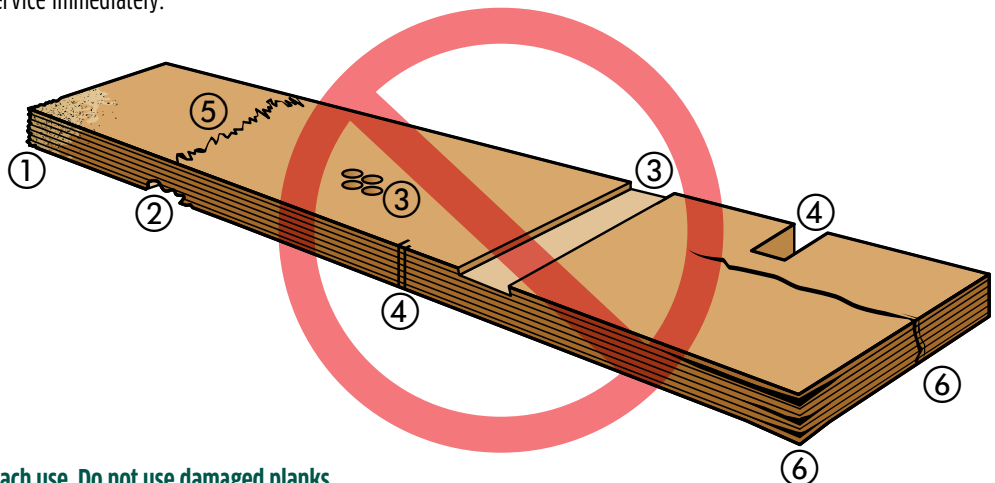


Visit www.SIAOnline.org for detailed use and inspection guidelines.

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:

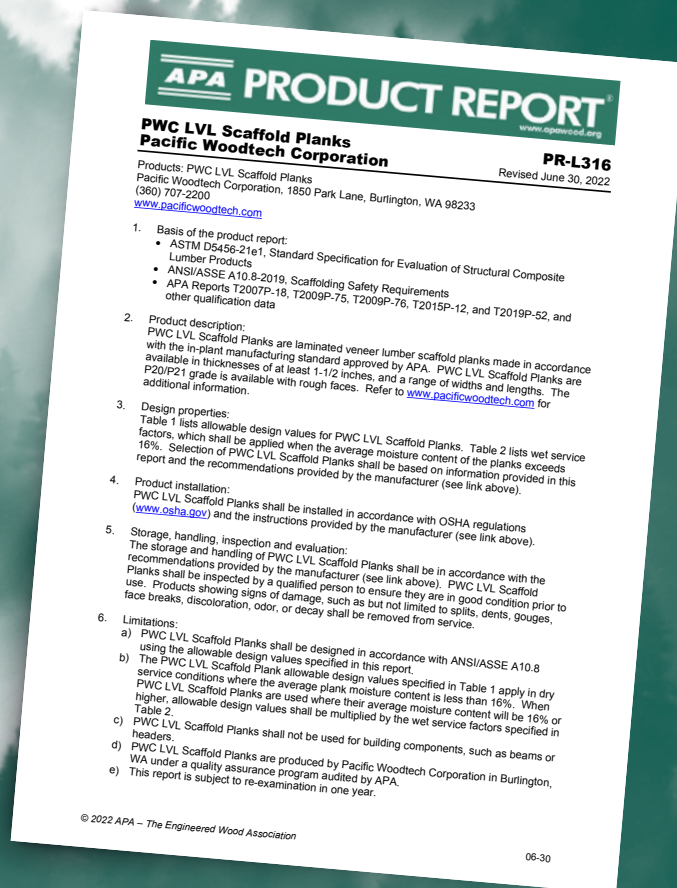
- ① Decay or insect damage
- ② Dents, gouges and depressions
- ③ Drilled holes and /or notches
- ④ Saw cuts
- ⑤ Face breaks
- ⑥ End or edge splits



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.



Product Warranty

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

In addition, provided the product, as manufactured, is stored, handled, installed and used correctly, Pacific Woodtech Corporation warrants the adequacy of its design.

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

PACIFIC
WOODTECH
HISTORY BUILT. FUTURE BOUND.

1850 Park Lane, Burlington | WA 98233

TF 888.707.2285 | O 360.707.2200 | F 360.395.7003

www.pacificwoodtech.com

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