

A New Direction in Scaffold Plank.

Pin-Lam 2.2E scaffold planks from Indian Mill Plank (IMP) have elevated engineered wood scaffold planks to a whole new level. Their unique design not only makes them one of the strongest planks available, but also one of the safest due to built-in Traction Strip. Individual pieces of solid sawn lumber and laminated veneer lumber (LVL) are reinforced and held together with Twist-Lock steel pins, making Pin-Lam 2.2E scaffold planks exceptionally strong, durable and dependable. Some grades of solid wood scaffold planks may be less expensive, but could cost more in the long run. A safer plank helps reduce costs associated with plank failure and job site injuries.

Strength by Design

The primary difference between Pin-Lam 2.2E scaffold planks and traditional wood planks is that Pin-Lam 2.2E planks are made of individual wood components held together by Twist-Lock steel pins. Combining two different types of woods helps negate any potential weak areas in the plank, in turn increasing overall reliability. This process is called load sharing.

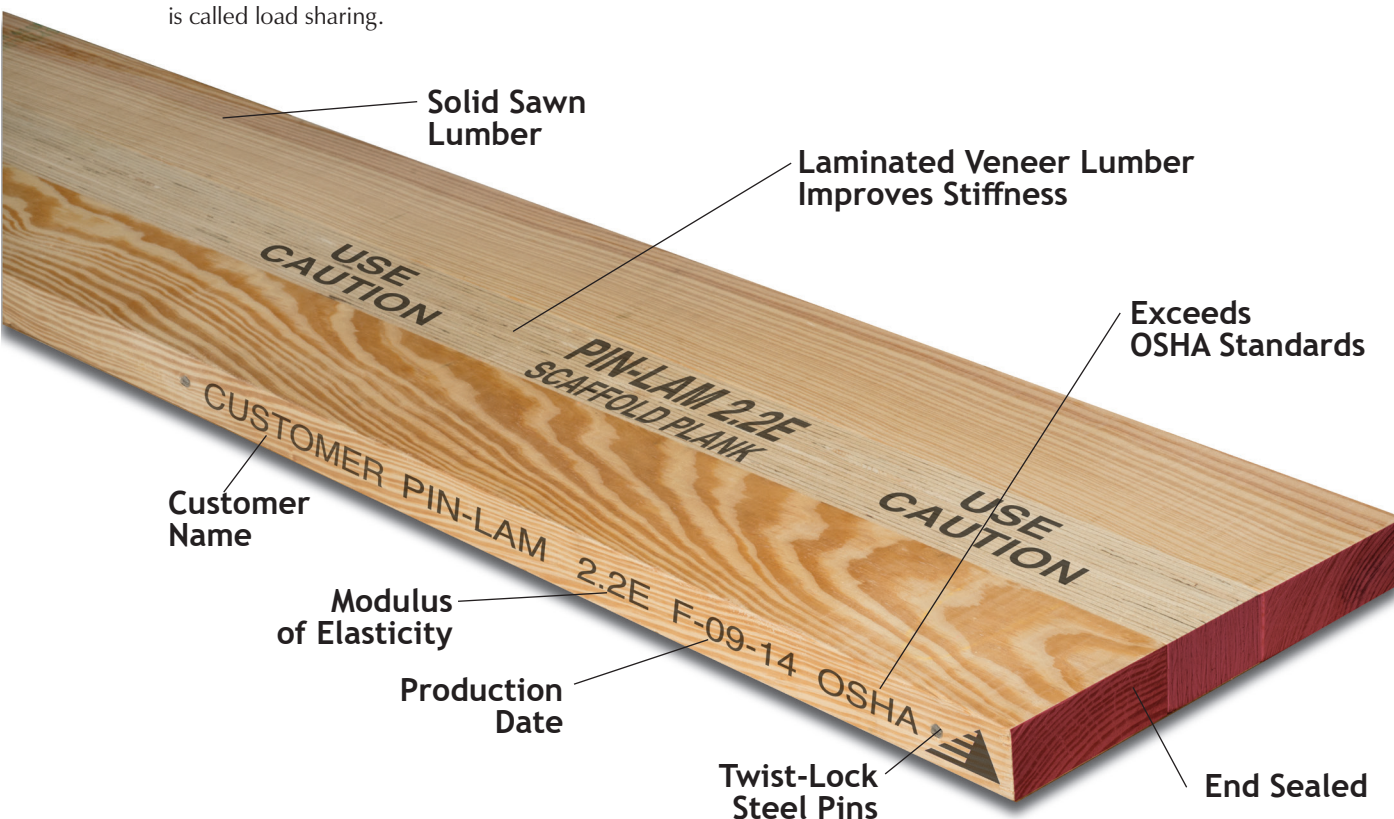
Built For Safe, Easy Use

Pin-Lam 2.2E scaffold planks provide a safe, flat working surface that minimizes the chance of tripping. Excellent strength and stiffness characteristics produce a consistent walking surface, without excessive bounce or variation from plank to plank. Rounded edges make the planks easier and safer to handle by reducing splintering. To ensure strength and consistency, IMP maintains strict quality control standards and performance testing. When Pin-Lam 2.2E scaffold planks are used in accordance with IMP's inspection and use guidelines, they meet or exceed all applicable Federal OSHA and ANSI strength and performance standards.

What You Need, When You Need It

Pin-Lam 2.2E scaffold planks are available in a standard thickness of 1-1/2" Call for a quote on custom sizes. On-hand inventory of commonly used sizes ensures quick turnaround time and prompt shipment.

To ensure safety and extend the life of Pin-Lam 2.2E scaffold planks, User Guides are available for general distribution. The User Guide includes span information, job site instructions, and storage recommendations.



Twist-lock steel pins located every 22 inches are inserted through the wood members in a twist-lock operation. The holes drilled are actually slightly smaller than the grooved pins, so they must be twisted into place with high pressure. By joining the woods together with twisted steel pins in this fashion, the overall strength of the plank is greatly increased.

Pin-Lam 2.2E Scaffold Plank Span Tables - 1-1/2" x 9-1/4"

Simple Span	Loading Condition	US	CANADA
	50 psf	10'-0"	9'-0"
	75 psf	9'-0"	8'-6"
	1-Person	10'-0"	9'-0"
	2-Person	8'-0"	8'-0"
	3-Person	6'-0"	6'-0"

2 Equal Spans	Loading Condition	US	CANADA
	50 psf	10'-0"	9'-0"
	75 psf	9'-0"	9'-0"
	1-Person	10'-0"	9'-0"
	2-Person	9'-0"	8'-0"
	3-Person	7'-0"	6'-0"

Notes:

- Spans are from center-to-center of scaffold supports.
- The weight of the plank is included in all calculations as a "dead load"
- Deflections are limited to L/60 per OSHA requirements.
- Deflections are limited to L/80 per CSA requirements.
- The "Person" load is defined in ANSI A10.8 as a person weighing 200 pounds, carrying 50 pounds of equipment.
 The "1-Person" load is applied at mid-span.
 The "2-Person" load is applied with each "person" load placed 18" to either side of mid-span.
 The "3-Person" load is applied with a "person" load at mid-span, and a "person" load at 18" to either side of mid-span
- For conditions other than listed above, contact Indian Mill Plank for assistance.

Pin-Lam 2.2E 10⁶ Scaffold Plank Design Properties

E	F _b	F _v
2.2E x 10 ⁶ psi	3000 psi	130 psi

Notes:

- The design properties are for untreated Pin-Lam 2.2E scaffold planks used under dry conditions. Dry conditions are defined as an environment where the moisture content of the planks will not exceed 19%.
- The design properties are based on flat plank orientation.
- If the moisture content of the planks is expected to exceed 19%, the design properties (E, F_b and F_v) shall be multiplied by 0.8 for wet-use conditions.
- Fastener values for scaffold planks shall be taken from the 1991 edition of the National Design Specification for Wood Construction for SPF lumber.
- The allowable bending stress, F_b was determined in accordance with the ANSI A10.8 subcommittee guidelines (COV = 10% for F_b)

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Indian Mill Plank Products**

**Pin-Lok 2.0E Scaffold Plank
Di-65 1.8E Scaffold Plank
Rhino Skin Sealant
Flame Guard
SPT6 Scaffold Plank Tester
Lumber Products**

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