

## A Safe Direction in Scaffold Plank.

*Pin-Lok 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. Individual pieces of solid sawn lumber are reinforced and held together by hardened steel pins, making Pin-Lok 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.*

### Engineered for Strength

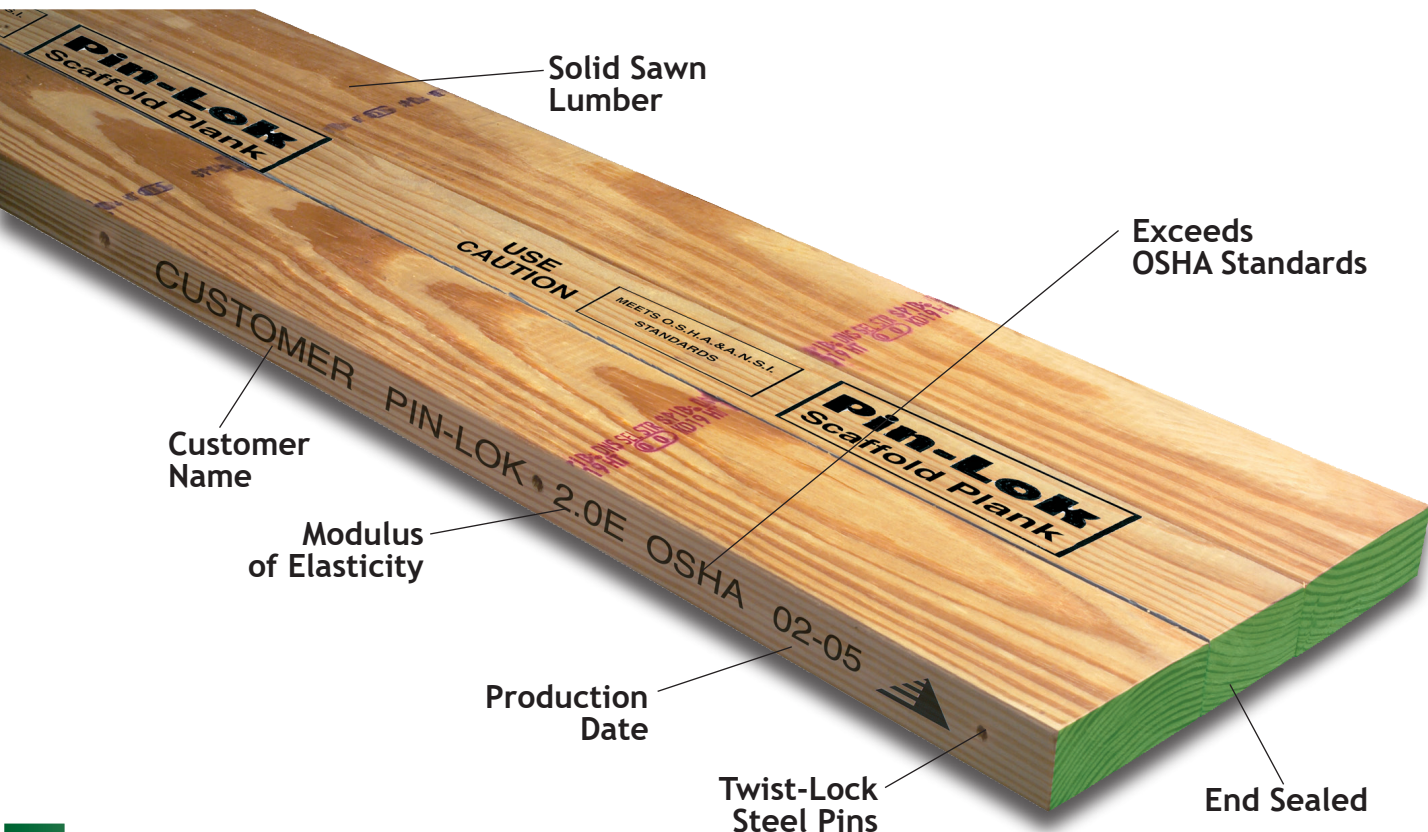
The primary difference between Pin-Lok scaffold planks and traditional wood planks is that Pin-Lok planks are made of individual wood components held together by hardened steel pins. Combining multiple types of wood helps negate any potential weak area in the plank, in turn increasing overall reliability. This process is called load sharing.

### Built For Safe, Easy Use

Pin-Lok 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. To ensure strength and consistency, **IMP** maintains strict quality control standards and performance testing. When Pin-Lok 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-Lok scaffold planks are available in a standard thickness of 1-1/2". Call for a quote on custom sizes or for specialty applications such as needle beams. On-hand inventory of commonly used sizes ensures quick turnaround time and prompt shipment, worldwide.



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-Lok 2.0E 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-Lok 2.0E Scaffold Plank Design Properties

E	F <sub>b</sub>	F <sub>v</sub>
2.0E x 106 psi	2900 psi	120 psi

**Notes:**

- The design properties are for untreated Pin-Lok 2.0E scaffold planks used under dry conditions. Dry conditions are defined as an environment where the moisture content of the planks will not exceed 16%.
- 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<sub>b</sub> and F<sub>v</sub>) 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<sub>b</sub> was determined in accordance with the ANSI A10.8 subcommittee guidelines (COV = 10% for F<sub>b</sub>)

**Ask About Other Quality  
Indian Mill Plank Products**

**Pin-Lam 2.2E Scaffold Plank**

**Di-65 1.8E Scaffold Plank**

**Rhino Skin Sealant**

**Flame Guard**

**SPT6 Scaffold Plank Tester**

**Lumber Products**



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