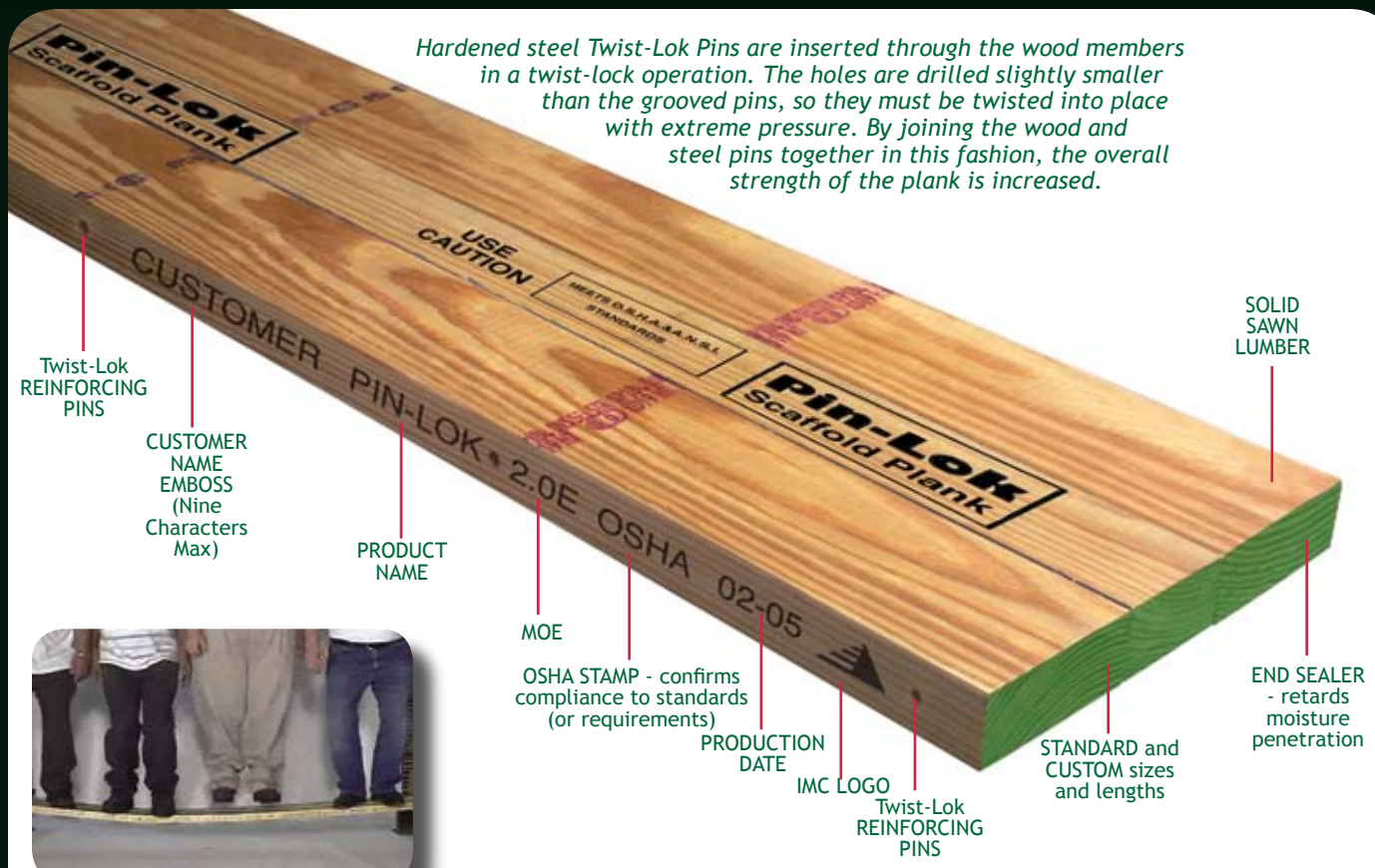
INDIAN MILL CORPORATION

PIN-LOK 2.0E SCAFFOLD PLANK

Hardened steel Twist-Lok Pins are inserted through the wood members in a twist-lock operation. The holes are drilled slightly smaller than the grooved pins, so they must be twisted into place with extreme pressure. By joining the wood and steel pins together in this fashion, the overall strength of the plank is increased.



A New Direction in Scaffold Plank

Pin-Lok scaffold planks from Indian Mill Corporation (IMC) 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.

Strength by Design

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, IMC maintains strict quality control standards and performance testing. When Pin-Lok scaffold planks are used in accordance with IMC'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.

PIN-LOK 2.0E SCAFFOLD PLANK

Pin-Lok 2.0E Scaffold Plank Span Tables

	Loading Condition	1"1/2" x 9-1/4"	1"1/2" x 9-1/2"	1"1/2" x 11-3/4"
SIMPLE SPAN	50 psf	10'-3"	10'-3"	10'-3"
	75 psf	9'-0"	9'-0"	9'-0"
	1 -Person	10'-3"	10'-3"	10'-3"
	2-Person	8'-4"	8'-4"	9'-0"
	3-Person	6'-0"	6'-0"	7'-0"

	Loading Condition	1"1/2" x 9-1/4"	1"1/2" x 9-1/2"	1"1/2" x 11-3/4"
TWO EQUAL SPANS	50 psf	10'-6"	10'-6"	10'-6"
	75 psf	9'-6"	9'-6"	9'-6"
	1 -Person	10'-9"	10'-9"	10'-9"
	2-Person	8'-10"	8'-10"	8'-10"
	3-Person	6'-6"	6'-6"	7'-6"

Notes:

1. Spans are from center-to-center of scaffold supports.
2. The weight of the plank is included in all calculations as a "dead load.'
3. Deflections are limited to L/60 per OSHA requirements.
4. 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.
5. For conditions other than listed above, contact Indian Mill Corporation for assistance.

Pin Lok 2.0E Scaffold Plank Design Properties

E	Fb	Fv
2.00 x 10^6 psi	2900 psi	120 psi

Notes:

1. The design properties are for untreated Pin-Lok scaffold planks used under dry conditions, Dry conditions are defined as an environment where the moisture content of the planks will not exceed 19%.
2. The design properties are based on a "flat" or plank orientation.
3. If the moisture content of the planks is expected to exceed 19%, the design properties (E, Fb and Fv) shall be multiplied by 0.8 for wet-use conditions.
4. Fastener values for scaffold planks shall be taken from the 1991 edition of the National Design Specification for Wood Construction for SPF lumber.
5. The allowable bending stress, Fb was determined in accordance with the ANSI At 0.8 subcommittee guidelines. (COV = 15% for Fb)

Rhino Skin Sealant and Wood Protectant on a Pin-Lok Scaffold Plank for the ultimate in strength and durability.

Scaffold Plank Tester

TIMBER PRODUCTS INSPECTION

MCAA MEMBER

SCAFFOLD INDUSTRY ASSOCIATION SIA

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