



**STARR-LAM™** is a scaffold plank made of glued laminated timber (glulam) produced by a manufacturer recognized internationally for designing and manufacturing structural engineered wood products.

**STARR-LAM™** scaffold plank:

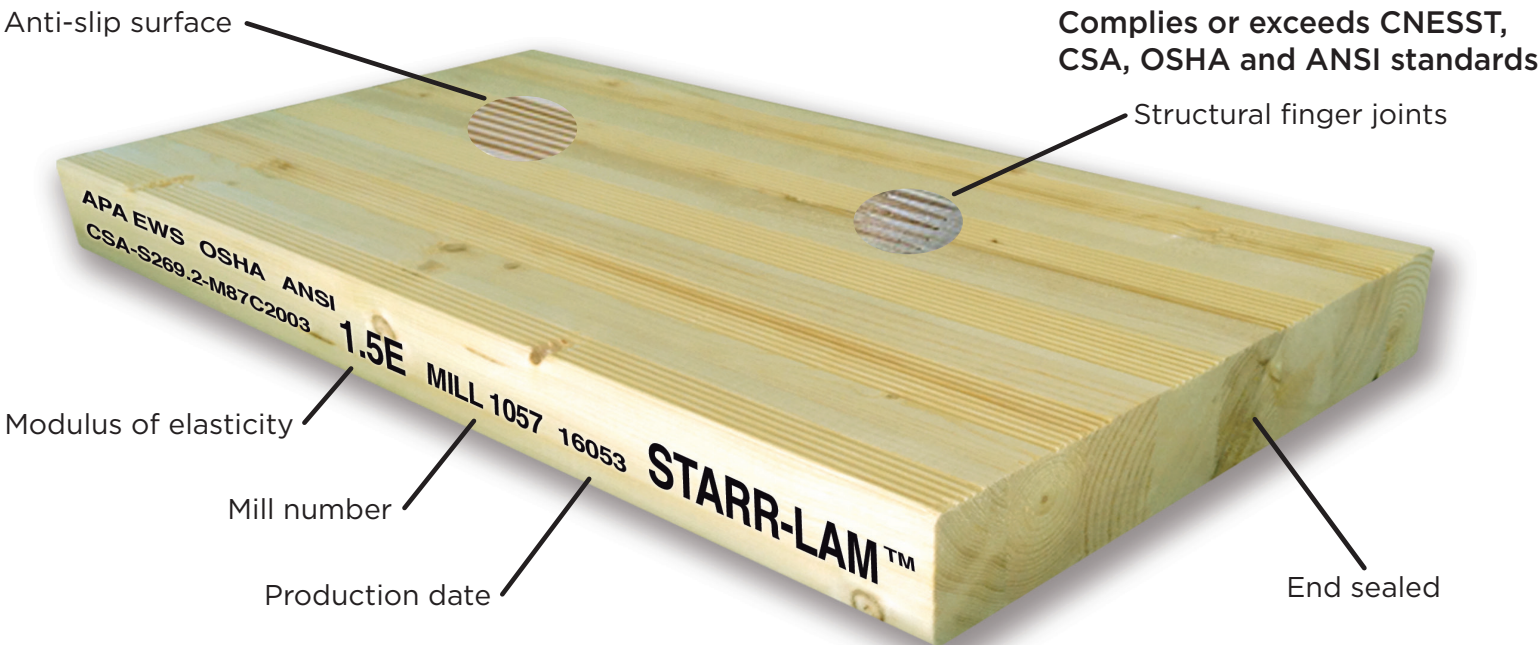
- Lighter
- Stronger - more stable
- Safer - anti-slip surface
- More durable than sawn lumber scaffold plank
- Sealed ends
- High loading capacity
- Proof loaded

**STARR-LAM™** scaffold plank, made of black spruce and of a small percentage of pine from the boreal forest, is assembled with structural finger joints and the lamellas are bonded with an exterior-type adhesive. It also features superior mechanical resistance compared to sawn lumber.

Each **STARR-LAM™** glulam scaffold plank has been proof loaded at the time of manufacturing to confirm that stiffness and strength requirements are in conformity with CSA, OSHA and ANSI rules.

**STARR-LAM™ MEETS OR EXCEEDS : CNESST S2.1-r.4 • CAN/CSA-S269.2-M87c2003 • OSHA 1926.451 • ANSI/ASSE A10.8-2011**

Product certified by the **APA**



## STARR-LAM™ Scaffold Plank Span Tables

### Dimensions 2" x 9-1/2" x 12'

For use in Canada	LOADING CONDITION	SIMPLE SPAN		For use in the U.S.	LOADING CONDITION	SIMPLE SPAN	
		Dry use	Wet use*			Dry use	Wet use*
	50 psf (2.40 kN/m <sup>2</sup> )	10'	10'		50 psf	10'	10'
	75 psf (3.60 kN/m <sup>2</sup> )	10'	9'		75 psf	10'	9'
	500 lbf (2.2 kN)	7'	5'		1 Person	10'	10'
	Worker & Tools (Light Duty) 25 psf + 250 plf (1.20 kN/m <sup>2</sup> + 3.63 kN/m)	10'	9'		2 Person	9'	8'
	Worker & Materials (Heavy Duty) 75 psf + 265 plf (3.60 kN/m <sup>2</sup> + 3.88 kN/m)	7'	6'		3 Person	6'	5'

\* Wet use – climatic condition in which the average equilibrium moisture content of wood is greater than 15 %.

#### Notes :

1. Span is measured center to center of supports.
2. The weight of the plank is included in the calculations.
3. The deflection is limited to L/60 per OSHA 1926.451 requirements.
4. The deflection is limited to L/80 per CAN/CSA S269.2 requirements.
5. The "Person" load is defined in ANSI A10.8 as a person weighing 200 pounds, carrying 50 pounds of equipment.  
The load "1-Person" is applied at mid-span.  
The load "2-Person" is applied with the load of a "person" placed 18" on each side of mid-span.  
The load "3-Person" is applied with the load of a "person" at mid-span, and a load of a "person" placed 18" on each side of mid-span.
6. For conditions other than those listed above, please contact us.


## STARR-LAM™ Scaffold Plank Design Properties

### Allowable Stress Design Values (Canada and U.S.)

Modulus of elasticity, E <sub>y</sub>	Bending capacity, F <sub>by</sub>	Shear capacity, F <sub>vy</sub>
<b>1,500,000 psi (10,300 MPa)</b>	<b>1,750 psi (12.1 MPa)</b>	<b>175 psi (1.2 MPa)</b>

1. The design properties are for **STARR-LAM™** scaffold planks used in dry service condition. The dry service condition refers to an environment in which the average equilibrium moisture content of wood over a year is 15% or less and does not exceed 19%, and that they have been properly stored. If **STARR-LAM™** planks are used in wet service condition, the design properties, E<sub>y</sub>, F<sub>by</sub> and F<sub>vy</sub>, shall be multiplied by the following factors : 0.833, 0.80, and 0.875, respectively.
2. The design properties are based on planks used on flat. Sufficient bearing length shall be provided at supports.
3. Weight of **STARR-LAM™** scaffold planks : 55 lbs for a 2" x 9-1/2" x 12' plank.

#### Exclusive to :



**THIS SAFETY NOTICE IS BROUGHT TO YOU BY STARRFOREST inc.**

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