



# RETHINK WOOD

Scaffold plank of glued laminated timber  
GLULAM STYLE



- SAFE**
- Anti-slip surface
  - Lighter and more stable
  - Compliant with North American standards



- HIGH LOADING CAPACITY**
- Tested by mechanical stress
  - Structural finger joints



- DURABLE**
- Sealed ends
  - Stronger
  - Black spruce

## SCAFFOLD PLANK SPAN TABLE

GRADE DIMENSIONS Weight (pounds per foot)	ES11 2" x 9-1/2" 4.58	24F-ES/NPG 1-1/2" x 9-1/4" 3.28	24F-ES/NPG 1-1/2" x 11-7/8" 4.33
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**CANADA** **SIMPLE SPAN**

LOADING CONDITION	2" x 9-1/2"		1-1/2" x 9-1/4"		1-1/2" x 11-7/8"	
	Dry use	Wet use*	Dry use	Wet use*	Dry use	Wet use*
50 lb/sq.ft. (2.40 kN/m <sup>2</sup> )	10'	10'	9'	8'	9'	8'
75 lb/sq.ft. (3.60 kN/m <sup>2</sup> )	10'	9'	8'	7'	8'	7'
500 lb (2.2 kN)	8'	6'	5'	4'	6'	5'
Worker & Tools (Light Duty) 25 lb/sq.ft + 250 lb/ft (1.20 kN/m <sup>2</sup> + 3.63 kN/m)	10'	9'	8'	7'	8'	7'
Worker & Materials (Heavy Duty) 75 lb/sq.ft + 265 lb/ft (3.60 kN/m <sup>2</sup> + 3.88 kN/m)	8'	7'	6'	5'	6'	5'

**USA** **SIMPLE SPAN**

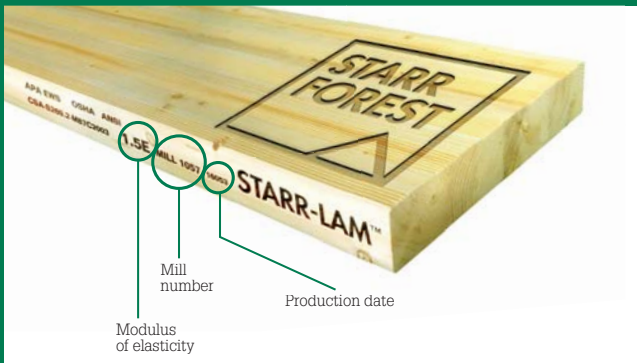
LOADING CONDITION	2" x 9-1/2"		1-1/2" x 9-1/4"		1-1/2" x 11-7/8"	
	Dry use	Wet use*	Dry use	Wet use*	Dry use	Wet use*
50 lb/sq.ft.	10'	10'	10'	9'	10'	9'
75 lb/sq.ft.	10'	10'	8'	8'	8'	8'
1 person	10'	10'	10'	8'	10'	10'
2 persons	10'	9'	7'	7'	8'	8'
3 persons	7'	6'	5'	4'	6'	5'

## COMPLIES TO STANDARDS

CNESST S2.1-r.4 • OSHA 1926.451  
CAN/CSA-S269.2-M87c2003  
ANSI/ASSE A10.8-2011  
Product certified by the APA

\* 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™** 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, 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.

## Design Properties

Allowable Stress Design Values

**CANADA & USA** **Thickness and grade**

PROPERTIES	2", ES11	1-1/2", 24F-ES/NPG
Modulus of Elasticity, <i>E<sub>y</sub></i>	1 500 000 psi (10 300 MPa)	1 800 000 psi (12 400 MPa)
Bending Capacity, <i>F<sub>by</sub></i>	1 750 psi (12.1 MPa)	2 400 psi (16.5 MPa)
Shear Capacity, <i>F<sub>vy</sub></i>	175 psi (1.2 MPa)	300 psi (2.1 MPa)

- NOTES:**
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.



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