

XL Scaffold Plank™

A Commitment to Safety

XL Scaffold Plank™ laminated veneer lumber (LVL) from Greenwood Forest Products is the superior alternative to solid sawn scaffold plank. Engineered for stability, uniformity and strength, **XL** LVL resists shrinking, warping, splitting and checking. Our innovative lay-up process disperses the natural defects found in wood resulting in a stronger more predictable plank.

Building professionals and Greenwood Forest Products share an important goal - a commitment to safety. By providing high quality scaffold plank we will ensure worker safety while reducing problems that cause costly downtime.

An independent third party inspection agency certifies that the LVL manufacturing process complies with ASTM test methods and procedures. In addition, a second third party inspection agency that ensures our proof loading process is certified to comply with all applicable federal OSHA and ANSI strength and performance standards.

Safety Engineering

Safety is a fundamental value behind everything we do. People work on scaffold plank and therefore we are committed to providing the safest plank available. Our quality control facility is equipped with technologies and test equipment intended to keep Greenwood's safety assurance program at the forefront of the scaffold plank industry.

Safety Assurance

Every **XL** scaffold plank is individually proof loaded. Sophisticated testing equipment collects the load and deflection data. The test methods and software analysis were developed by a licensed Professional Engineer (PE) specifically to assure that each plank meets our strict safety standards.

Environmental Conservation

Veneer technology not only yields a superior product, but it also conserves our natural resources. The peeling process converts approximately 30% more of the log into usable product compared to solid sawn methods.



Continuing Safety Research

Innovative test equipment in our laboratory allows our safety engineers to create all conceivable accident scenarios, from plank over loading to the effects of moisture and chemical exposure. The Greenwood test center will yield invaluable information that will ultimately lead to safer planks for "real" world applications.

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Product Innovation

Looking for fire treated plank or clear veneer faces for bleacher seat applications? Greenwood Forest Products is your source. GFP is an industry leader in specialty panel products ranging from preservative treated plywood for the boat industry to acoustical composite panels for bus floors. When you can't find the right product to solve a problem, GFP can help.

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DF 2.15E LVL - Basic Design Properties

E	Fb	Fb (>1-3/4")	Fv
2.15 x 10 ⁶ psi	2900 psi	2400 psi	145 psi

Notes:

1. The design properties are for untreated Greenwood LVL scaffold plank used under dry conditions. Dry conditions are defined as an environment where the moisture content of the plank will not exceed 16%.
2. The design properties are based on a flat or "plank" orientation.
3. If the moisture content of the plank is expected to exceed 16%, the design properties (E, Fb & Fv) shall be multiplied by 0.8 for wet-use conditions.
4. Fastener values for scaffold plank 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 A10.8 subcommittee guidelines.

DF 2.15E LVL - Span Table

Loading Condition	Simple Span				
	1 1/2" x 9 1/4"	1 1/2" x 9 1/2"	1 1/2" x 11 3/4"	1 3/4" x 9 1/2"	1 3/4" x 11 3/4"
50 psf	10'-6"	10'-6"	10'-6"	12'-0"	12'-0"
75 psf	9'-0"	9'-0"	9'-0"	10'-6"	10'-6"
1-Person	10'-6"	10'-6"	11'-6"	13'-0"	14'-0"
2-Person	8'-0"	8'-6"	9'-0"	10'-0"	11'-0"
3-Person	6'-0"	6'-0"	7'-0"	8'-0"	9'-0"

Notes:

1. Spans are from center-to-center of scaffold supports.
2. The weight of the plank has been included in all calculations, and is included 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 Greenwood Forest Products for assistance.

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