Murphy LVL
Engineered Scaffold Planks

Dependable: Factory proof-loaded and certified by APA.
Consistent Performance: Manufactured under controlled conditions. Each plank meets OSHA safety limits.
Durable: Manufactured to meet demanding assemble and breakdown cycles.

MURPHY
Engineered Wood

Murphy Company

For over 100 years, Murphy Company has manufactured wood products for discerning customers who demand quality.

From green and dry softwood veneer (White City, OR and Elma, WA), to softwood plywood (Rogue River, OR), Hardwood Plywood (Eugene, OR), or Engineered Douglas-fir LVL (Sutherlin, OR), we understand our customers' needs and provide solutions for demanding market conditions.

By controlling the entire process – "From log to finished product" – we provide exactly what you require at a competitive price.

Dependable Engineered Scaffold Planks

Contractors require scaffold planks for all types of working conditions. Murphy LVL Planks are engineered to support heavy loads and minimal wear from assembly and break-down cycles. Murphy LVL Planks are certified by the APA to ensure every manufactured plank complies with all Scaffold Plank standards.

Murphy LVL Planks are manufactured with high quality, ultrasonic-tested Douglas-fir veneer. Defects are minimized in a highly automated and controlled manufacturing process that increases dimensional stability and minimizes warping and twisting. Murphy LVL Planks are proven to be a consistent, high performing, durable, and dependable product.

- Dependable – Factory proof-loaded and certified by the APA (Engineered Wood Association) in compliance with OSHA safety limits.
- Consistent Performance – Manufactured in a controlled enviornment to ensure each piece meets all scaffold plank standards.
- Durable – Engineered and manufactured to meet the demanding conditions required of scaffold planks.

FSC®
www.fsc.org
FSC® C011299

The mark of responsible forestry

* FSC® certified scaffold planks available upon request (FSC® C011299).

Certified for Strength and Stability

We are proud to provide products that meet and exceed Scaffold Plank Standards as well as "green" products certified by nationally recognized agencies. Murphy scaffold planks adhere to ANSI A10.8-2011-factory proof-loaded specifications and are certified by APA. Users should comply with recommendations from OSHA (www.OSHA.gov) when using Murphy LVL Planks.

APA

Technical Support

While supplying a superior product, we are also dedicated to an unprecedented level of support to our customers. We provide not only phone support, but a broad library of technical materials, bulletins and other relevant information for our products. We have extensive knowledge and state-of-the-art tools to assist you with any design or construction question. Please feel free to contact us with any requests.

2.0 E Scaffold Plank

OSHA Defined Load Conditions		1½" x 9¼" thru 1½" x 9½"	1½" x 11¾"	1¾" x 9½"	1¾" x 11¾"
Plank Weight (lbs/ft)		3.4	4.2	4	4.9
1-Span Dry Use	50 psf	10'	10'	10'	10'
	75 psf	9'	10'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	8'	9'	10'	10'
	3-Person	5'	6'	7'	8'
2-Span Dry Use	50 psf	10'	10'	10'	10'
	75 psf	10'	10'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	9'	10'	10'	10'
	3-Person	6'	7'	8'	9'
1-Span Wet Use	50 psf	10'	10'	10'	10'
	75 psf	9'	9'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	8'	8'	9'	10'
	3-Person	5'	5'	6'	7'
2-Span Wet Use	50 psf	10'	10'	10'	10'
	75 psf	10'	10'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	8'	9'	10'	10'
	3-Person	6'	6'	7'	8'

All Murphy Douglas-fir 2.0E LVL Scaffold Planks are manufactured to the following design properties and are continuously proof-load tested at the manufacturing facility. The APA verifies the planks meet or exceed these properties at time of manufacture:

- Modulus of Elasticity (E): 2,000,000 psi
- Flexural Stress (Fb): 2,350 psi
- Horizontal Shear Stress (Fv): 150 psi

These design properties have been determined in accordance with ANSI A10.8-2011 Appendix C. They are applicable for planks in new/like-new condition, used in dry-use conditions (moisture content not exceeding 16%), and loaded in plank (flatwise) orientation. For wet-use conditions (moisture content exceeding 16%) adjust design values as noted below:

- Modulus of Elasticity (E): 0.92
- Flexural Stress (Fb): 0.85
- Horizontal Shear Stress (Fv): 0.875

2.2 E Scaffold Plank

OSHA Defined Load Conditions		1½" x 9¼" thru 1½" x 9½"	1½" x 11¾"	1¾" x 9½"	1¾" x 11¾"
Plank Weight (lbs/ft)		3.6	4.6	4.3	5.4
1-Span Dry Use	50 psf	10'	10'	10'	10'
	75 psf	9'	9'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	8'	9'	10'	10'
	3-Person	6'	7'	7'	9'
2-Span Dry Use	50 psf	10'	10'	10'	10'
	75 psf	9'	9'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	9'	10'	10'	10'
	3-Person	7'	8'	8'	8'
1-Span Wet Use	50 psf	9'	9'	10'	10'
	75 psf	8'	8'	10'	10'
	1-Person	9'	10'	10'	10'
	2-Person	7'	8'	9'	10'
	3-Person	5'	6'	6'	7'
2-Span Wet Use	50 psf	10'	10'	10'	10'
	75 psf	9'	9'	10'	10'
	1-Person	10'	10'	10'	10'
	2-Person	7'	9'	9'	10'
	3-Person	5'	6'	6'	8'

All Murphy Douglas-fir 2.2E LVL Scaffold Planks are manufactured to the following design properties and are continuously proof-load tested at the manufacturing facility. The APA verifies the planks meet or exceed these properties at time of manufacture:

- Modulus of Elasticity (E): 2,200,000 psi
- Flexural Stress (Fb): 2,650 psi
- Horizontal Shear Stress (Fv): 150 psi

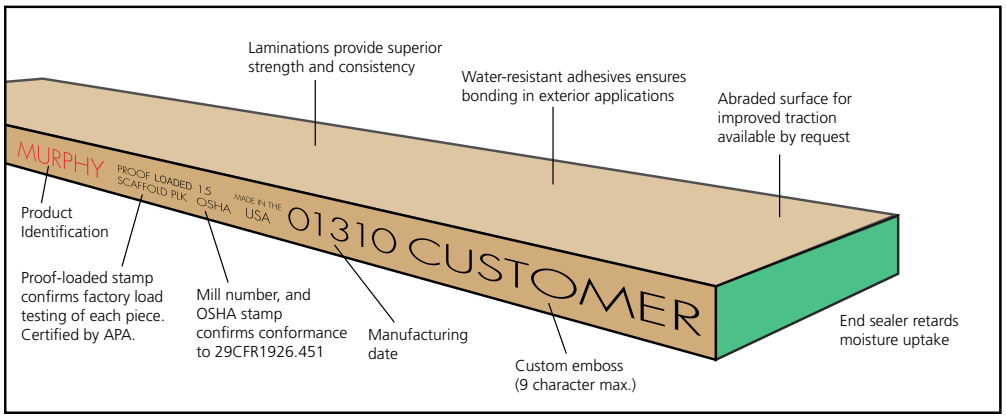
These design properties have been determined in accordance with ANSI A10.8-2011 Appendix C. They are applicable for planks in new/like-new condition, used in dry-use conditions (moisture content not exceeding 16%), and loaded in plank (flatwise) orientation. For wet-use conditions (moisture content exceeding 16%) adjust design values as noted below:

- Modulus of Elasticity (E): 0.92
- Flexural Stress (Fb): 0.83
- Horizontal Shear Stress (Fv): 0.70

General Notes:

1. Load conditions are as defined by OSHA for intended application.
2. Deflection is limited to L/60.
3. Spans shown are for standard frame sizes. For other span conditions, contact Murphy Technical Support.
4. Use appropriate length planks and refer to OSHA for minimum and maximum cantilever requirements.

Product Identification



Murphy Douglas-fir Engineered LVL Scaffold Planks are machine-sawn with user-friendly eased edges and are end-sealed with Murphy Green. Each plank is embossed and inked on both edges. The stated information includes: Product Name, Scaffold Plank, APA Mill # 1089, Manufacturing Date, and OSHA 29CFR 1926.451 conformance.

Abraded surfaces and customer name embossing is available upon request.

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Storage and Handling

Storage

- Murphy LVL Planks should be protected from the weather, stored lying flat, and without direct ground contact.
- Murphy LVL Planks should be stored in dry, well ventilated, drained areas. Bundles should be supported with a minimum of 4 x4 stickers (bolsters) spaced no further than 8’ O.C.
- Murphy LVL Planks should not be cut, drilled or notched.
- Murphy LVL Planks are intended for scaffolding applications and should not be used in permanent structures.

Handling

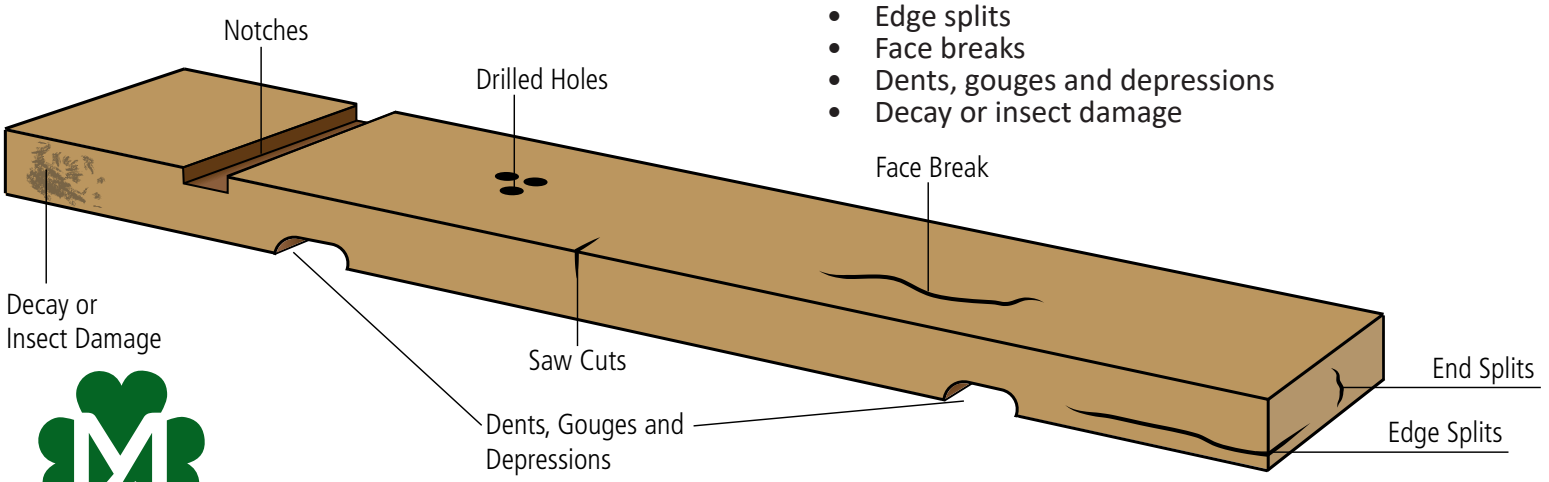
Murphy LVL Planks should not be over-loaded (see load tables for capacity restrictions):

- Do not jump or bounce on planks. Always avoid dropping heavy objects on the planks.
- Throwing or dropping of Murphy LVL Planks is not recommended and will diminish lifespan.
- Do not push or hit Murphy LVL Planks with forklift tines or heavy equipment.

Visual inspection for damage:

Murphy LVL Planks must be thoroughly inspected prior to each use. Continual visual inspection with proper handling will ensure safe performance of the product. Any Murphy LVL Planks displaying the following visual damage must be removed from service immediately:

- End splits
- Saw cuts, drilled holes and notches
- Edge splits
- Face breaks
- Dents, gouges and depressions
- Decay or insect damage



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