

LP[®] LVL H42 Scaffold Planks
Louisiana-Pacific Corporation

PR-L309

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Products: LP LVL H42 Scaffold Planks

LP Building Products, Louisiana-Pacific Corporation, 414 Union Street, Suite 2000, Nashville, Tennessee 37219

(615) 986-5600

customer.support@lpcorp.com

www.lpcorp.com

1. Basis of the product report:
 - ASTM D5456-21e1, Standard Specification for Evaluation of Structural Composite Lumber Products
 - ANSI/ASSE A10.8-2019, Scaffolding Safety Requirements
 - APA Reports T2011P-02, T2011P-05, T2011P-44, T2012P-10, T2012P-15, and T2014P-37, and other qualification data
2. Product description:

LP LVL H42 Scaffold Planks are made with wood veneers laminated with grain parallel to the length of the member in accordance with the in-plant manufacturing standard approved by APA. LP LVL H42 Scaffold Planks are available at a standard thickness of 1-5/8 inches, and a range of widths and lengths. Refer to the manufacturer's users guide (www.lpcorp.com/resources/literature/) and a local LP Engineered Wood Products distributor for product availability.
3. Design properties:

Table 1 lists the design properties for LP LVL H42 Scaffold Planks. Table 2 lists the wet service factors, which shall be applied when the average moisture content of the planks exceed 16%. The allowable loads for LP LVL H42 Scaffold Planks shall be in accordance with the recommendations provided by the manufacturer (see link above). LP LVL H42 Scaffold Plank use shall be based on information provided in this report and the recommendations provided by the manufacturer.
4. Product installation:

LP LVL H42 Scaffold Planks shall be installed in accordance with the recommendations provided by the manufacturer (see link above) and OSHA (www.osha.gov).
5. Storage, handling, inspection and evaluation:

The storage and handling of LP LVL H42 Scaffold Planks shall be in accordance with the recommendations provided by the manufacturer (see link above). LP LVL H42 Scaffold Planks shall be inspected by a qualified person to ensure they are in good conditions prior to use. Products with defects, such as and not limited to end or edge splits, dents or gouges, face breaks, discoloration, odor, or decay, shall be removed from service.
6. Limitations:
 - a) LP LVL H42 Scaffold Planks shall be designed in accordance with ANSI/ASSE A10.8 using the design properties specified in this report.
 - b) LP LVL H42 Scaffold Planks are intended primarily for use in dry service conditions where the average moisture content of the plank is less than 16%. When LP LVL H42 Scaffold Planks are used where the average moisture content of the plank will exceed 16%, design values shall be multiplied by the appropriate wet service factors as shown in Table 2.

- c) LP LVL H42 Scaffold Planks shall not be used as a structural member, such as beam or header, in wood framed construction.
- d) LP LVL H42 Scaffold Planks are produced at the Louisiana-Pacific Corporation facilities in Golden, British Columbia under a quality assurance program audited by APA.
- e) This report is subject to re-examination in one year.

7. Identification:

LP LVL H42 Scaffold Planks described in this report are identified by a label bearing the manufacturer's name (Louisiana-Pacific Corporation) and/or trademark, the APA assigned plant number (1066), the scaffold plank grade (H42), the APA logo, and a means of identifying the date of manufacture.

Table 1. LP LVL H42 Scaffold Planks Design Properties (1-5/8 inches in thickness)^(a)

| Property | Design Properties |
|--|-------------------|
| Stiffness, EI (10 ⁵ lbf-in. ² /in. of plank width) | 6.26 |
| Allowable Moment (lbf-in./in. of plank width) | 968 |
| Allowable shear (lbf/in. of plank width) | 157 |

For SI: 1 inch = 25.4 mm, 1 lbf = 4.448 N

^(a) The tabulated values are design values for normal duration of load and shall not be increased for other load durations. The design values are limited to conditions where the average moisture content of the plank is less than 16%. When LP LVL H42 Scaffold Planks are used where the average moisture content of the plank will exceed 16%, design values shall be multiplied by the appropriate wet service factors listed in Table 2.

Table 2. Wet Service Factors (for plank moisture content exceeding 16%)

| Stiffness, EI | Allowable Moment | Allowable Shear |
|---------------|------------------|-----------------|
| 0.89 | 0.87 | 0.75 |

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 HEADQUARTERS**

7011 So. 19th St. • Tacoma, Washington 98466
 Phone: (253) 565-6600 • Fax: (253) 565-7265 • Internet Address: www.apawood.org

PRODUCT SUPPORT HELP DESK
 (253) 620-7400 • E-mail Address: help@apawood.org

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