

LP Proprietary OSB Facers for SIPs Louisiana-Pacific Corporation

PR-N613

Revised August 5, 2018

Product: Louisiana-Pacific Corporation 7/16 Proprietary OSB Facers
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1. Basis of the product report:
 - 2018 and 2015 International Residential Code (IRC): Section R610 Structural Insulated Panel Wall Construction
 - 2012 IRC: Section R613 Structural Insulated Panel Wall Construction
 - Performance Standard for Wood-Based Structural-Use Panels, PS 2
 - ANSI/APA PRS 610.1-2013, Standard for Performance-Rated Structural Insulated Panels in Wall Applications
 - APA Reports T2008P-96A, T2011P-41, T2011P-42, and other qualification data.

2. Product description:
Louisiana-Pacific Corporation proprietary OSB facers are 7/16 Performance Category panel sheathing that can be used as facers of structural insulated panels (SIPs) when manufactured to a proprietary mill specification documented in the in-plant manufacturing standard and approved by APA. In addition to the requirements for PS 2, the proprietary OSB facers meet the higher properties specified in Table R610.3.2 of the 2015 IRC, Table R613.3.2 of the 2012 IRC and 2009 IRC, and Table 2 of ANSI/APA PRS 610.1, as shown in Section 3 of this report. The properties of the proprietary OSB facers are quality-controlled on an on-going basis.

3. Minimum panel properties:
Louisiana-Pacific Corporation OSB facers meet the properties specified in Table 1.

Table 1. Minimum Properties for Louisiana-Pacific Corporation proprietary OSB Facers ^(a)

Thickness (in.)	Flatwise Stiffness ^(b) (lbf-in. ² /ft)		Flatwise Strength ^(c) (lbf-in./ft)		Tension ^(c) (lbf/ft)		Density ^(d) (pcf)
	Along	Across	Along	Across	Along	Across	
7/16	55,600	27,100	1,040	870	7,450	6,500	35

For SI: 1 lbf-in.²/ft = 9.415 x 10⁻⁶ kN-m²/m, 1 lbf-in./ft = 3.707 x 10⁻⁴ kN-m/m, 1 lbf/ft = 0.0146 N/mm,
1 pcf = 16.018 kg/m³

- ^(a) Tabulated values are test values, which are not intended for use in design.
^(b) Mean test value shall be in accordance with Section 7.6 of PS 2.
^(c) Characteristic test value (5th percentile with 75% confidence).
^(d) Mean density value shall be based on oven-dry weight and oven-dry volume in accordance with Method A of ASTM D2395.

4. Limitations:
 - a) The properties listed in Table 1 are minimum test values and related only to the Louisiana-Pacific Corporation proprietary OSB facers. Design values for SIPs shall be provided by the SIP manufacturer.
 - b) Louisiana-Pacific Corporation propriety OSB facers are limited to dry service conditions where the average equilibrium moisture content of sawn lumber is less than 16 percent

- c) Louisiana-Pacific Corporation proprietary OSB facers are produced by Louisiana-Pacific Corporation at the facilities in Sagola, MI, under a quality assurance program audited by APA.
 - d) This report is subject to re-examination in one year.
5. Identification:
Louisiana-Pacific Corporation proprietary OSB facers recognized in this report are identified by a label bearing the manufacturer's name and/or trademark, the APA assigned plant number (407), the product Performance Category (7/16), the Span Rating (24/16), the Exposure Rating, the APA logo, the report numbers PR-N613, and a means of identifying the date of manufacture.

APA – The Engineered Wood Association is an approved national standards developer accredited by American National Standards Institute (ANSI). APA publishes ANSI standards and Voluntary Product Standards for wood structural panels and engineered wood products. APA is an accredited certification body under ISO/IEC 17065 by Standards Council of Canada (SCC), an accredited inspection agency under ISO/IEC 17020 by International Code Council (ICC) International Accreditation Service (IAS), and an accredited testing organization under ISO/IEC 17025 by IAS. APA is also an approved Product Certification Agency, Testing Laboratory, Quality Assurance Entity, and Validation Entity by the State of Florida, and an approved testing laboratory by City of Los Angeles.

**APA – THE ENGINEERED WOOD ASSOCIATION
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