LP Proprietary OSB Facers for SIPS
Louisiana-Pacific Corporation

Product: Louisiana-Pacific Corporation 7/16 Proprietary OSB Facers
Louisiana-Pacific Corporation, Highway N8504 M95, Post Office Box 100, Sagola, MI 49881
(906) 542-7101
www.lpcorp.com

1. Basis of the product report:
   - 2021, 2018, and 2015 International Residential Code (IRC): Section R610 Structural Insulated Panel Wall Construction
   - 2012 IRC: Section R613 Structural Insulated Panel Wall Construction
   - DOC PS 2-18, Performance Standard for Wood Structural Panels

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 properties shown in Table 1 of this report, which are equal to or higher than those specified in Table 2 of ANSI/APA PRS 610.1 as referenced in the 2021 and 2018 IRC, Table R610.3.2 of the 2015 IRC, and Table R613.3.2 of the 2012 IRC. 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)

<table>
<thead>
<tr>
<th>Thickness (in.)</th>
<th>Flatwise Stiffness (b)</th>
<th>Flatwise Strength (c)</th>
<th>Tension (c)</th>
<th>Density (d)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Along</td>
<td>Across</td>
<td>Along</td>
<td>Across</td>
</tr>
<tr>
<td>7/16</td>
<td>55,600</td>
<td>27,100</td>
<td>1,040</td>
<td>870</td>
</tr>
</tbody>
</table>

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