

Georgia-Pacific Wood Products LLC
Proprietary OSB Facers for SIPs
GP Allendale LLC

PR-N615

Revised October 31, 2019

Product: Georgia-Pacific Wood Products LLC 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 610.1-2018, Standard for Performance-Rated Structural Insulated Panels in Wall Applications
 - APA Report T2011P-60 and other qualification data
2. Product description:
Georgia-Pacific Wood Products LLC 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 Table 2 of ANSI/APA PRS 610.1, as shown in Section 3 of this report. The proprietary OSB facers are quality-controlled on an on-going basis.
3. Minimum panel properties:
Georgia-Pacific Wood Products LLC proprietary OSB facers meet the properties specified in Table 1.

Table 1. Minimum Properties for Georgia-Pacific Wood Products LLC 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 test values and related only to the Georgia-Pacific Wood Products LLC proprietary OSB facers. Design values for SIPs shall be provided by the SIP manufacturer.

- b) Georgia-Pacific Wood Products LLC propriety OSB facers are limited to dry service conditions where the average equilibrium moisture content of sawn lumber is less than 16 percent.
 - c) Georgia-Pacific Wood Products LLC proprietary OSB facers are produced by GP Allendale LLC at the facility in Fairfax, South Carolina, under a quality assurance program audited by APA.
 - d) This report is subject to re-examination in one year.
5. Identification:
Georgia-Pacific Wood Products LLC proprietary OSB facers recognized in this report are identified by a label bearing the manufacturer's name and/or trademark (GP Allendale LLC), the APA assigned plant number (531), the product Performance Category (7/16), the Span Rating (24/16), the Exposure Rating, the APA logo, the report numbers PR-N615, and a means of identifying the date of manufacture.

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APA – THE ENGINEERED WOOD ASSOCIATION
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