

**Qualified OSB Facing Materials for
Structural Insulated Panels**

PR-N610
Revised August 22, 2025

Product: 7/16 OSB Panels Qualified for Use as Facing of Structural Insulated Panels

- Basis of the product report:
 - 2024, 2021, 2018, and 2015 International Residential Code (IRC): Section R610 Structural Insulated Panel Wall Construction
 - DOC PS 2-18 and PS 2-10 recognized in the 2024 and 2021 IRC, and 2018 and 2015 IRC, respectively
 - ANSI/APA PRS 610.1-2023 and PRS 610.1-2018 recognized in the 2024 IRC, and 2021 and 2018 IRC, respectively
- Product description:
 OSB panels of 7/16 Performance Category produced by the manufacturers listed in this report have been qualified for use as facing of structural insulated panels (SIPs). In addition to the requirements for PS 2, the 7/16 Performance Category OSB panels from the listed manufacturers meet the minimum properties specified in Table 2 of ANSI/APA PRS 610.1 as referenced in the 2024, 2021, and 2018 IRC and Table R610.3.2 of the 2015 IRC. The panel properties are quality-controlled on an on-going basis.
- Minimum panel properties:
 The OSB panels from the listed manufacturers in this report meet the properties specified in Table 1 below.

Table 1. Minimum Properties for Facing Materials Used for SIPs ^(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	16,500	1,040	460	7,450	5,800	34

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.

- Limitations:
 - The properties listed in Table 1 are minimum test values and relate only to the OSB facing of SIPs. Design values for SIPs shall be provided by the SIP manufacturer.
 - OSB panels listed in this report are produced by manufacturing facilities (as shown in Table 2) under a quality assurance program audited by APA.
 - This report is subject to re-examination in one year.
- Identification:
 OSB panels listed in this report are identified by a label bearing the manufacturer's name and/or trademark, the APA assigned plant number (as shown in Table 2), the product thickness, the Span Rating, the Exposure Rating, the APA logo, the report number PR-N610, and a means of identifying the date of manufacture.

Table 2. Qualified Manufacturers of 7/16-inch OSB Panels for Use as Facing of SIPs

Manufacturer	Location	Mill Number	APA Test Report
LP Corporation ^(a)	Thomasville, AL	520	T2023P-40
Tolko Industries Ltd.	High Prairie, AB, Canada	450	T2018P-32
Tolko Industries Ltd.	Meadow Lake, SK, Canada	492	T2008P-40A
Tolko Industries Ltd. ^(b)	Slave Lake, AB, Canada	514	T2008P-78A, T2024P-34
West Fraser ^(c)	Barwick, ON Canada	498	T2009P-08, T2009P-09, T2010P-44
West Fraser	Grand Prairie, AB Canada	454	T2010P-30
West Fraser	Guntown, MS	502	T2023P-48
West Fraser	Lanett, AL	503	T2019P-26, T2020P-03

^(b) Products may be treated with *Zinc Borate*.

^(b) Products may be treated with *Nisus ZB-Shield®* or *Rio Tinto Borogard®* ZB (registered trademark of U.S. Borax; an EPA registered zinc borate preservative). See APA Product Report PR-N216.

^(c) Products may be treated with *Borogard®* ZB (registered trademark of U.S. Borax; an EPA registered zinc borate preservative). See APA Product Report PR-N213.

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 ANSI National Accreditation Board (ANAB), and an accredited testing organization under ISO/IEC 17025 by ANAB. APA is also an approved Product Certification Agency, Testing Laboratory, Quality Assurance Entity, Validation Entity, and Product Evaluation Entity by the State of Florida, and an approved testing laboratory by City of Los Angeles.

**APA – THE ENGINEERED WOOD ASSOCIATION
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

DISCLAIMER

APA Product Report® is a trademark of APA – *The Engineered Wood Association*, Tacoma, Washington. The information contained herein is based on the product evaluation in accordance with the references noted in this report. No warranties, express or implied, including as to fitness for a particular purpose, are made regarding this report. Neither APA nor its members shall be liable, or assume any legal liability or responsibility, for damages, direct or indirect, arising from the use, application of, and/or reference to opinions, findings, conclusions, or recommendations included in this report. Consult your local jurisdiction or design professional to assure compliance with code, construction, and performance requirements. Because APA has no control over quality of workmanship or the conditions under which engineered wood products are used, it cannot accept responsibility for product performance or designs as actually constructed.