APA PRODUCT REPORT®

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TOLKO I CHOICE™ OSB Rim Boards
Meadow Lake OSB Limited Partnership

PR-N130
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Product: Tolko I CHOICE™ OSB Rim Boards
Meadow Lake OSB Limited Partnership, 12 km S. Highway 55 on Matchee-Neeb Road, Highway 698, Meadow Lake, Saskatchewan S9X 1Y2, Canada
(780) 805-3800
www.tolko.com

1. Basis of the product report:
   - 2009 and 2006 International Building Code (IBC): Section 104.11 Alternative Materials.
   - 2009 and 2006 International Residential Code (IRC): Section R104.11 Alternative Materials.
   - Standard for Performance-Rated APA EWS Rim Boards, APA PRR-401
   - APA Reports T2004Q-53, T2005P-90, T2011P-32 and other qualification data

2. Product description:
   I CHOICE Rim Boards are Rim Boards in which an I-joist shape (a notched receptacle) is cut into the Rim Board at fixed locations (minimum 16-in. on center) so that the floor I-joist fits into the notched receptacle. Materials used to produce the I CHOICE Rim Board are 1-1/8-in. thick APA EWS OSB Rim Board® Plus made with strands of various species and strand classifications in accordance with the in-plant manufacturing standard approved by APA and manufactured by Meadow Lake OSB Limited Partnership, Meadow Lake, Saskatchewan, Canada. The secondary processing of the receptacles is fabricated by Pasquier Panel Product, Sumner, Washington. The maximum depth of I CHOICE Rim Boards is 16 inches.

3. Design properties:
   The allowable design values for I CHOICE OSB Rim Boards recognized by this product report are listed in Table 1. The design values are based on those published for APA EWS Rim Board Plus, except that the uniform vertical load capacity is reduced due to the slightly reduced bearing area on the sill plate by the I-joist receptacle.

4. Product installation:
   I CHOICE OSB Rim Boards shall be installed in accordance with the recommendations provided by the manufacturer (www.tolko.com/index.php/products/osb/specialty-products/rim-board) and *APA Performance Rated Rim Boards*, Form W345 (www.apawood.org/publications).

5. Fire-rated assemblies:
   Fire-rated assemblies for I CHOICE OSB Rim Boards are outside the scope of this report.

6. Limitations:
   a) I CHOICE OSB Rim Boards shall be designed in accordance with the code using the design properties specified in this report.
   b) I CHOICE OSB Rim Boards are limited to dry service conditions where the average equilibrium moisture content of sawn lumber is less than 16 percent.
   c) The 1-1/8-in. base panels used for I CHOICE OSB Rim Boards are produced by Meadow Lake OSB Limited Partnership at the Meadow Lake facility in Saskatchewan under a quality assurance program audited by APA.
   d) The secondary processing of the receptacles in I CHOICE OSB Rim Boards is fabricated by Pasquier Panel Product, Sumner, Washington under a quality assurance program audited by APA.
   e) This report is subject to re-examination in one year.

7. Identification:
I CHOICE OSB Rim Boards described in this report are identified by a label bearing the manufacturer's name (Meadow Lake OSB Limited Partnership) and/or trademark, the APA assigned plant number (492), the product grade and performance category, the APA logo, the report number PR-N130, and a means of identifying the date of manufacture.

Table 1. Allowable design values[(a)] for Tolko I CHOICE OSB Rim Boards (16 inches maximum depth with receptacles spaced at least 16 inches on center)

Product Grade	Performance Category	Lateral Load[(b,c)] (lbf/ft)	Vertical Uniform Load[(d,e)] (lbf/ft)	Vertical Concentrated Load (lbf)	Lateral Resistance for 1/2- inch-dia. Lag Screws (lbf)
RB+	1-1/8	200	4,620	3,500	350

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 lbf = 4.448 N, 1 lbf/ft = 14.6 N/m.

(a) All values are applicable to the normal duration of load (10 years) except for the horizontal load capacity, which is based on a load duration of 10 minutes. Adjustments for other durations of load should be in accordance with applicable codes except that the uniform vertical load capacity and concentrated vertical load capacity are not permitted to be increased for any load durations shorter than the normal load duration (10 years).

(b) Toe-nailed connections are not limited by the 150 lbf/ft lateral load capacity noted for Seismic Design Categories D, E and F in Section 2305.1.4 of the IBC.

(c) The nailing schedule for sheathing to rim and rim board to sill plate (toe-nailed) is based on 8d box (0.113" x 2-1/2") nails at 6 inches on center (refer to APA W345, *APA Performance Rated Rim Boards* for full details). Commercial framing connectors may be used to achieve lateral load capacities exceeding the values shown in this table.

(d) The allowable uniform vertical load capacity was reduced from the published allowable capacity of APA EWS Rim Board Plus of 4,850 lbf/ft to 4,620 lbf/ft due to the slightly reduced bearing area on the sill plate by the I-joist receptacle. This reduction is based on an assumed 1/4-inch deep by 3-5/8-inch wide receptacle spaced at 16 inches on-center.

(e) The allowable vertical uniform load capacity is based on the strength of the rim board and may need to be reduced based on the bearing capacity of the supporting wall plate.

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