



TOLKO RIM BOARD

PLUS

Our free [Tolko Product Guide](#) app is available for download. Set yourself up for success by finding the best Tolko lumber, plywood, OSB, and EWP products for each application.



Tolko OSB Rim Board Plus is designed to meet your needs consistently, perform to your high standards, and support your project with engineered strength.

SETTING THE STANDARD

Tolko OSB Rim Board Plus has greater dimensional stability, increased structural reliability, consistent quality, and a lower tendency to check or split than sawn lumber. Blue bundle seal and plastic wrap prevents swelling and protects Tolko OSB Rim Board Plus from exposure to the elements.

APPLICATIONS

Tolko OSB Rim Board Plus fills the space between the sill plate and the bottom wall plate, or between the top plate and the bottom plate in multi-floor construction. In addition, to filling the void, rim board is an integral structural component that transfers both lateral and vertical forces. To function properly, the rim board must match the depth of framing members.

BUILDING WITH CONFIDENCE

Tolko Performance Rated Rim Board Plus are structural-use products that are manufactured in accordance with the Performance Standard for APA EWS Rim Boards PRR-401 ANSI PRR-410, CCMC 13238-L and meet or exceed the requirements given in the ICC-ES Acceptance Criteria for Wood-based Rim Board Products, AC124.

Technical Information & Help Desk

APA: Standard PRR-401, Data File W345G;
Product Support: call 1-253-620-7400;
ANSI/APA PRR 410

CCMC: Evaluation Listing No. 13238-L

WARRANTY

Tolko OSB Rim Board Plus is backed by a transferable 25-year limited warranty against delamination.



SUSTAINABLE FOREST MANAGEMENT

We manufacture our products from renewable, recyclable and biodegradable resources, and our practices are guided by our Forest Management Principles and Environmental Policy. We also adhere to globally-accepted Sustainable Forest Management (SFM) and Chain of Custody (CoC) standards.



TOLKO OSB RIM BOARD PLUS



MEASUREMENTS

Thickness¹

1", 1-1/8" and 1-1/4"

Lengths

12', 24' and 16' (at Athabasca Mill only)

1) 1" thickness only available in standard Rim Board (not Plus).

ALLOWABLE LOADS FOR TOLKO OSB RIM BOARD PLUS^{(a)(e)}

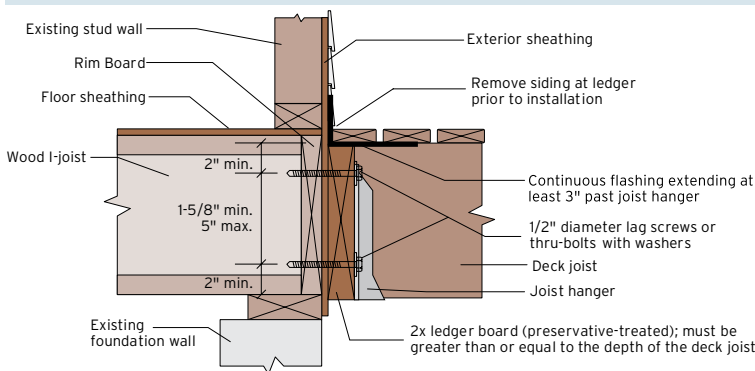
Thickness (in.)	Lateral Load ^{(b)(c)} (lbf/ft)	Vertical Uniform Load ^(d) (lbf/ft)		Vertical Concentrated Load (lbf)	Lateral Resistance for 1/2-inch dia. Lag Screws/ Bolts (lbf)
		Depth ≤ 16"	16" < Depth ≤ 24"	Depth ≤ 24"	
1-1/8	200	4850	3200	3500	350
1-1/4		4850	3200	3500	350

- (a) The tabulated design values are applicable to the normal load duration (10 years) for wood products, except for the lateral load capacity, which is based on the short-term load duration (10 minutes). Design values shall be adjusted for the other load durations in accordance with the applicable building code except that the vertical uniform load capacity and vertical concentrated 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 lb/ft lateral load capacity noted for Seismic Design Category D, E and F in section 2305.1.4 of the IBC.
- (c) The nailing schedule for sheathing to rim board and rim board to sill plate (toe-nailed) is based on 8d box nails (0.113" x 2-1/2") at 6" o.c. spacing. Lateral capacity is permitted to be increased by a factor of 1.4 when subjected to wind loads. Commercial framing connectors may be used to achieve lateral load capacities exceeding the values shown in this table. Calculations shall be based on the equivalent specific gravity values listed in Table 2 subjected to the nailing spacing provided in Table 4.
- (d) 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.
- (e) The vertical uniform load shall be simultaneously satisfied along with the vertical concentrated load as explained below:

Rim Boards subjected to a combination of uniform and concentrated vertical loads - First, the applied concentrated load shall not exceed the concentrated load capacity of the Rim Board, based on a 4-1/2" bearing length over the floor sheathing attached to the top of the Rim Board. Second, the applied concentrated load shall be calculated as an equivalent uniform load based on the applied loading length increased by a 45° load distribution through decking and plate on both sides of the concentrated load, as applicable. The equivalent uniform load shall be added to the applied uniform load to determine the total applied uniform load, which shall not exceed the vertical uniform of the Rim Board. If the total applied uniform load exceeds the vertical uniform load, use appropriate squash blocks, double Rim Boards, or a higher grade of Performance Rated Rim Board to carry the concentrated vertical load.

Source: Form No. W345K • © 2009 APA - The Engineered Wood Association • www.apawood.org

FIGURE 1: 2X LEDGER TO RIM BOARD ATTACHMENT DETAIL

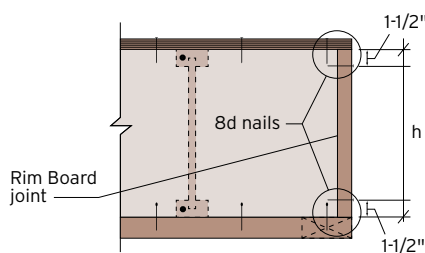


Source: Courtesy of APA - The Engineered Wood Association

FASTENER ALLOWABLE LOAD (lbs/bolt)	1"	1-1/8"	1-1/4"
1/2" Lag Bolt	480	610	725
1/2" Through Bolt	695	725	725
1/2" Through Bolt with Air Space	615	615	615

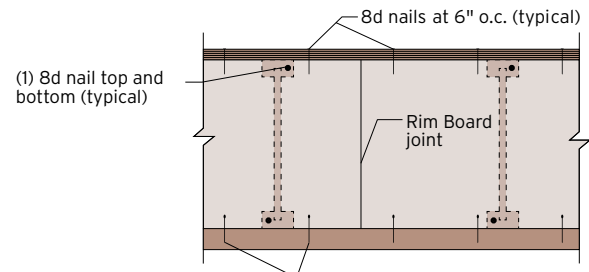
FIGURE 2: ATTACHMENT DETAILS WHERE RIM BOARDS ABUT

Rim board joint at corner



Source: Courtesy of APA - The Engineered Wood Association

Rim board joint between floor joists



8d toe-nails at 6" o.c. (typical) 8d common (0.131" x 2-1/2") or 8d box (0.113" x 2-1/2") nails may be used



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