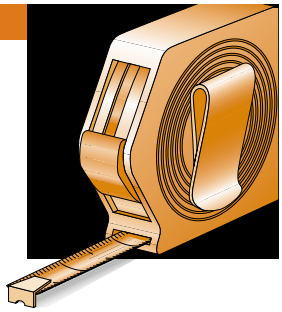
DATA FILE



APA Performance Rated Rim Boards

A rim board is the wood component that fills the space between the sill plate and bottom plate of a wall or, in second floor construction, between the top plate and bottom plate of two wall sections. The rim board must match the depth of the framing members between floors or between the floor and foundation to function properly. In addition to supporting the wall loads, the rim board ties the floor joists together. It is an integral component in an engineered wood system because it transfers both lateral and vertical bearing forces.

While lumber has been the traditional product used for rim boards, it is not compatible with the new generation of wood I-joists used in floor construction. With the increasing use of wood I-joists, a demand for compatible engineered wood rim boards has resulted.

APA Performance Rated Rim Boards can be manufactured using plywood, oriented strand board (OSB), glued laminated timber (glulam), or laminated veneer lumber (LVL). These engineered wood rim boards have less shrinkage than lumber and match the depth of wood I-joists and other engineered wood framing products. They are available in lengths up to 24 feet, depending on the product used. See Table 1.

In this application, an engineered wood rim board is installed between the foundation sill plate and the floor under a wall section. The rim board matches the depth of the I-joists used in the floor framing.

Most APA Performance Rated Rim Boards are structural-use panels that are manufactured in accordance with the *Performance Standard for APA EWS Rim Boards* and *Voluntary Product Standards PS 1* or *PS 2*, or *APA Standard PRP-108*. Glulam rim boards are a resawn grade of glued laminated timber manufactured in accordance with the *Performance Standard for APA EWS Rim Boards* and ANSI A190.1. The *Performance Standard for APA EWS Rim Boards* meets or exceeds the requirements given in the *ICC-ES Acceptance Criteria for Wood-Based Rim Board Products, AC124*. A typical trademark for *APA EWS* Rim Boards is shown at right.

TABLE 1

STANDARD SIZES FOR APA PERFORMANCE RATED RIM BOARDS

	Standard Sizes(a)
Thickness (inches)	1(b), 1⅛(b), 1¼, and 1½
Depth (inches)	9½, 11⅞, 14, 16, 18, 20, 22, 24
Length (feet)	8 to 16

(a) All sizes may not be available. Check suppliers for availability.
(b) Predominant thicknesses manufactured by APA members.

APA EWS
RIM BOARD
1-1/8 inch
MILL 0000 PRR-401®

As glued engineered wood products, APA Rim Boards have greater dimensional stability, higher strength, increased structural reliability, more consistent quality and a lower tendency to check or split than sawn lumber.

APA
THE ENGINEERED WOOD ASSOCIATION