



APA RATED SHEATHING

1.0 Standards

U.S. Product Standard PS 1 Structural Plywood
U.S. Product Standard PS 2 Performance Standard for Wood-Based Structural-Use Panels
APA PRP-108 Performance Standards and Policies for Structural-Use Panels

2.0 Description

APA Rated Sheathing is rated for use as subfloor, wall, roof, diaphragm and shear wall sheathing. It is suitable for use in a range of construction and miscellaneous applications where strength and stiffness are required.

2.1 Adhesive Bond Classification

The bond classification relates to moisture resistance of the glue bond, and thus to structural integrity of the panel. Bond classification of the panel does not relate to physical (erosion, ultraviolet, etc) or biological (mold, fungal decay, insect, etc) resistance of the panel. APA Rated Sheathing glue bond durability classification is typically Exposure 1; however, when produced as C-C, PS 1 plywood bond classification is Exterior. Exposure 1 panels may be used for applications where construction delays may be expected prior to providing protection or where exposure to the outdoors is on the underside only. Panels with exterior bond classification indicate the glue bond is suitable for applications subject to long-term exposure to weather or moisture.

2.2 Structural I

APA Rated Sheathing may be produced as Structural I Sheathing, which provides enhanced racking and cross-panel strength properties for certain demanding applications such as designed shear walls, diaphragms, and panelized roofs. May not be locally available.

2.3 Materials

APA Rated Sheathing panels are produced as plywood or oriented strand board (OSB). Typical size is 4 ft x 8 ft, but other sizes may also be produced. Commonly square edge, but may be produced with tongue and groove edges.

2.4 Common Performance Categories And Corresponding Span Ratings

Performance Category	Span Rating
3/8	24/0
7/16	24/16
15/32	32/16
19/32	40/20
23/32	48/24

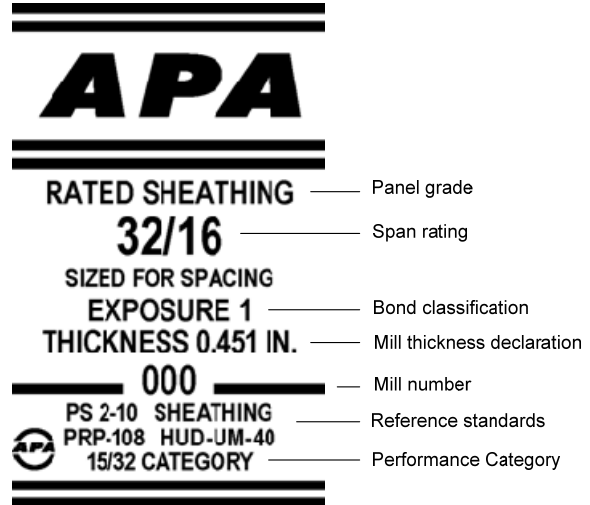
3.0 Installation

See [APA Engineered Wood Construction Guide, Form E30](#) for detailed installation recommendations and cautions including fastening schedules and application of finish as applicable.

4.0 Trademark

The APA trademark appears only on products manufactured by APA member mills and is the manufacturer's assurance that the product conforms to the standard(s) shown on the trademark.

4.1 Sample Trademark



5.0 Specification

1. APA Rated Sheathing
2. Performance Category
3. Span Rating
4. Adhesive Bond Classification
5. Additional Information, e.g. T&G edges

5.1 Sample Specification

APA Rated Sheathing 15/32 Performance Category 32/16 Exposure 1 See [APA Short Form for Panels, Form Y310](#) for additional specification guidance.

Note: APA Rated Sheathing Exposure 1 plywood, commonly called "CDX" in the trade is sometimes mistaken as having an Exterior bond classification and erroneously used in applications for which it does not possess the required resistance to weather. "CDX" should only be used for applications as outlined under Adhesive Bond Classifications for panels marked Exposure 1.