



APA RATED STURD-I-FLOOR

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 Sturd-I-Floor is primarily intended for combination subfloor-underlayment (single-floor) applications; however, it is also suitable for use as subfloor, roof and diaphragm sheathing. APA Rated Sturd-I-Floor provides smooth surface for application of carpet and pad.

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 Sturd-I-Floor glue bond durability classification is typically Exposure 1; however, when produced as C-C Plugged, 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 of withstanding repeated wetting and redrying or long-term espouser to weather or other conditions of similar severity.

2.2 Structural I

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

2.3 Materials

APA Rated Sturd-I-Floor 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 tongue and groove edges, but may be produced with square edge.

2.4 Common Performance Categories And Corresponding Span Ratings

Performance Category	Span Rating
19/32	20 oc
23/32	24 oc
1-1/8	48 oc

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

(Typical of OSB APA Rated Sturd-I-Floor)



RATED STURD-I-FLOOR — Panel grade
24oc — Span rating
 SIZED FOR SPACING
 T&G NET WIDTH 47-1/2
EXPOSURE 1 — Bond classification
THICKNESS 0.703 IN. — Mill thickness declaration
000 — Mill number
 PS 2-10 SINGLE FLOOR — Reference standards
 PRP-108 HUD-UM-40
 23/32 CATEGORY — Performance Category

5.0 Specification

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

5.1 Sample Specification

APA Rated Sturd-I-Floor 23/32 Performance Category
 24 oc Exposure 1