



**LP® ProStruct® Flooring
with SmartFinish®**

DESCRIPTION

- A Medium Density Overlay flooring panel designed as interior shed flooring.
- Features a textured surface, available primed with square edges or tongue and groove edges.

BASIC USES

- When fastened over appropriate framing, panels provide a structural floor deck that serves as a suitable surface for shed floors. When properly installed, panels will provide a surface that is appropriate for foot traffic.

LIMITATIONS

- LP ProStruct Flooring is designed for interior shed flooring.
 - Suitable to be used only as an interior shed flooring panel.
 - Do not use as porch or garage flooring, on exterior ramps, exterior stairs, or similar applications.
- Must be installed with minimum 1/8 inch space between all flooring panels.
- Panels are not designed for unprotected exterior use.
 - Exposure to reasonable precipitation during normal construction delays will not damage the panels.
 - Additional protection measures may be necessary during extended exposure or adverse weather conditions.
- Do not install panels directly on concrete or masonry.
- Not suitable for sheds that have uniform floor live loads exceeding allowable live load capacities in Table 1.

STORAGE AND HANDLING

- Store panels in clean, dry areas and off the ground. If possible, store indoors. If stored outside, cover with plastic sheets or tarps. Keep cover open and away from the sides and bottom of the panels to allow for air circulation.

LP PROSTRUCT FLOORING WITH SMARTFINISH FASTENING SCHEDULE

Span Rating	Performance Category	Fastening: glued-nailed ^(a)			Fastening: nailed only		
		Ring shank nail diameter	Max. spacing (inches)		Ring shank nail diameter	Max. spacing (inches)	
			Edge nailing	Field nailing		Edge nailing	Field nailing
20" o.c.	19/32 (0.578 in.)	0.113 in. ^(b)	12	12	0.113 in.	6	12
24" o.c.	23/32 (0.703 in.)	0.113 in. ^(b)	12	12	0.113 in.	6	12

(a) Use only adhesives conforming to APA Specification AFG-01, applied in accordance with the manufacturer's recommendations.
 (b) 0.131 inch diameter smooth shank common nails may be substituted if ring shank common nails are not available.
 (c) Consult the Voluntary Product Standard (PS 2) for Wood-Based Structural-Use Panels to obtain additional information.

SITE PREPARATION

- Ensure proper Site Preparation for preserving the life and performance of your shed. A minimum of 6 inches is required between the ground and the LP ProStruct Flooring with SmartFinish.

One of the following site preparation options is required:

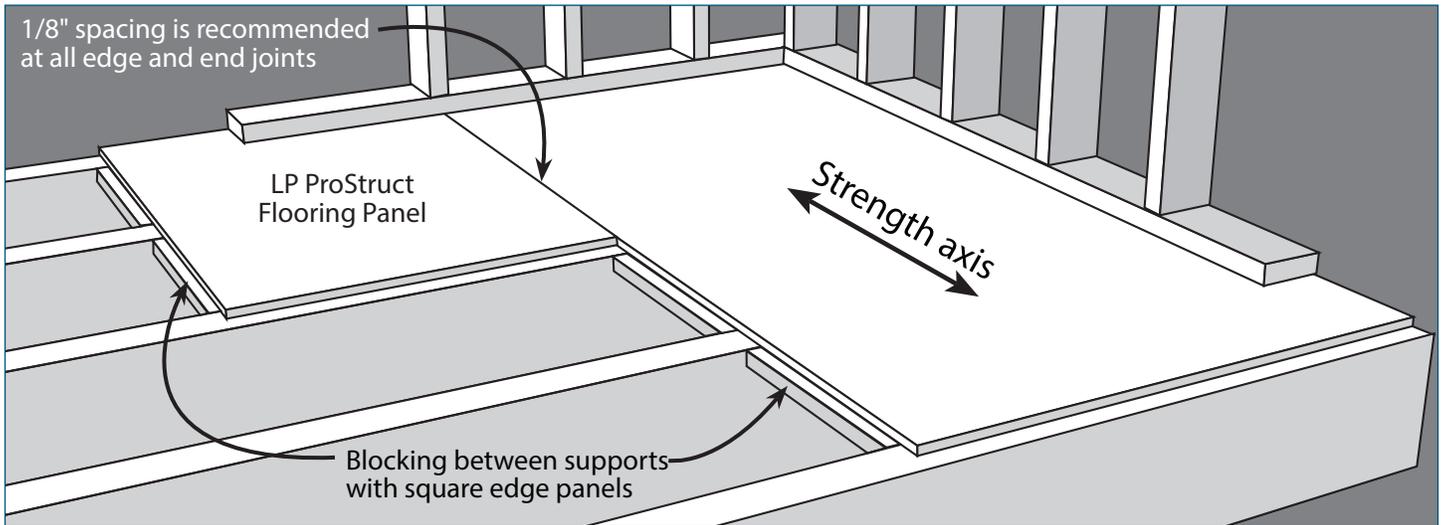
- 1) Crushed Stone:** Spread 3 to 4 inches of stone, 12 inches wider than the building size on all four sides
- 2) Concrete Pad**
- 3) Treated 4 x 4 inch or larger beams:** Place beams every 4 feet o.c. in the opposite direction of the skids. A ground cover vapor retarder is required with this alternative.

GENERAL INFORMATION

- Be sure to allow wet wood framing to dry before installation.
- Easy to handle, cut and nail. Can be cut and drilled with standard woodworking tools.
- Fasten with conventional nailing and gluing techniques.
- Install panels directly over floor joists/framing.
- Install panels continuously over two or more spans with long dimension or strength axis across supports. Panels must be fully blocked on the support framing. (Figure 1)
- Panels must be installed with APA Trademark Stamp facing down.
- Provide adequate ventilation and a ground cover vapor retarder when shed is placed on beams.
- LP ProStruct Flooring with SmartFinish has been aesthetically designed as a finished shed flooring product. It is not intended to receive a floor covering, paint or coating.



Floor Construction



NOTE: Provide adequate ventilation and vapor retarder when beam option for site preparation is selected.

Figure 1

RECOMMENDED GLUE-NAIL APPLICATION

- Use of the APA Glued Floor System is highly recommended. It ensures greater floor stiffness and helps reduce nail popping and floor squeaks.
- Snap a chalk line across length of floor 4 feet in from wall for panel edge alignment and as a boundary for spreading glue.
- Use only adhesives conforming with Performance Specification AFG-01 developed by APA with the Glue Floor System.
- Wipe any mud, dirt or water from joists before gluing.
- Spread only enough glue to lay one or two panels at a time, or follow specific recommendations of the glue manufacturer.
- Blocking is required between floor supports with square edge panels, and is not required with tongue and groove edge panels.
- Apply a continuous line of glue, about 1/4 inch diameter, to framing members. Apply glue in a serpentine pattern on wide areas.
- Apply two lines of glue on joists where panel ends butt to ensure proper gluing of each end.
- Stagger end joints in each succeeding row. Provide an 1/8 inch space between all end joints. Use a spacer tool to assure accurate and consistent spacing.
- Complete nailing of each panel before glue sets. (See Fastening Schedule). Check the manufacturer's recommendations for allowable time. Keep in mind that warm weather accelerates glue setting.
- Use a min. 0.113 diameter smooth shank nail. Fasteners should penetrate into framing members at least 1 inch.
- Fasten panels 3/8 inch from panel edges; space nails according to Fastening Schedule. Closer nail spacing may be required by some codes or for diaphragm construction. Finished deck may be walked on and will carry construction loads without damage to glue bond.

LP PROSTRUCT FLOORING WITH SMARTFINISH OVER METAL FRAMING

- For metal framing application fasten panels with hardened screw-shank nails or self-drilling self-tapping screws, plus adhesive. Consult metal framing manufacturer for recommended procedure, fasteners, and adhesive.
- Fasten the panel to the metal framing system following the Fastening Schedule.

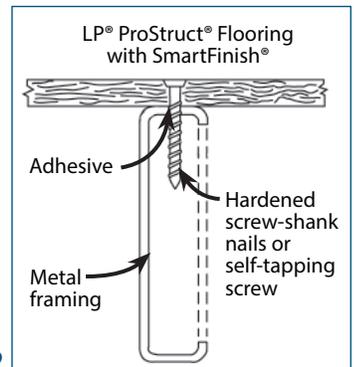


Figure 2

⚠ WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.



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Table 1. RECOMMENDED UNIFORM FLOOR LIVE LOADS for LP PROSTRUCT FLOORING with STRENGTH AXIS PERPENDICULAR TO SUPPORTS^(a)

LP ProStruct Flooring Span Rating	Performance Category	Maximum Joist Spacing (in.) Span (in.)	Allowable Live Loads (psf) ^(b)					
			12	16	19.2	24	32	40
20" oc ^(c)	19/32	19.2	270	150	100			
24" oc	23/32	24	430	240	160	100		

(a) Two-span, dry, normal load duration assumed.

(b) 10 psf dead load assumed. Live load deflection limit is L/360.

(c) While Span Rating is shown as 20 oc, the actual joint spacing is 19.2 inches.

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