



LP ProStruct Flooring with SmartFinish
(formerly ShedFloor)

DESCRIPTION

- A Medium Density Overlay flooring panel designed for the Utility Shed market.
- Features a textured surface with primed square edges.

BASIC USES

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

LIMITATIONS

- Not designed for unprotected exterior use. Exposure to reasonable precipitation during normal construction delays will not damage the panels. **ADDITIONAL PROTECTIVE MEASURES MAY BE NECESSARY DURING EXTENDED EXPOSURE OR ADVERSE WEATHER CONDITIONS.**
- Do not install directly onto concrete or masonry.
- Panels must be installed with 1/8" spacing between all flooring panels (see figure 1).

STORAGE AND HANDLING

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

SITE PREPARATION

Proper Site Preparation is of the utmost importance for preserving the life and performance of your shed. It is important to note that a minimum of 6" is required between the ground and the LP ProStruct Flooring with SmartFinish. One of the following site preparation alternatives is required:

- 1) Crushed Stone.
Spread 3" to 4" of stone, 12" wider than the building size on all four sides
- 2) Concrete Pad
- 3) Treated 4" X 4" or larger beams
Place 4" X 4" or 4" X 6" beams every 4' on center in the opposite direction of the skids. A ground cover vapor retarder is also required with this alternative.

BEFORE YOU BEGIN

- Before installation, allow panels to acclimate to existing jobsite moisture conditions.
- Be sure to allow wet wood framing to dry before installation.

GENERAL INFORMATION

- 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. Support joists may be conventional solid sawn lumber.
- 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 (see figure 2).
- Panels must be installed with APA trademark stamp facing down.
- Provide adequate ventilation and a ground cover vapor retarder when shed is placed on treated beams.
- LP ProStruct Flooring with SmartFinish has been aesthetically designed as a finished shed flooring. Painting is not recommended, however if painting is desired, a high quality primer must be applied prior to any finish coat.

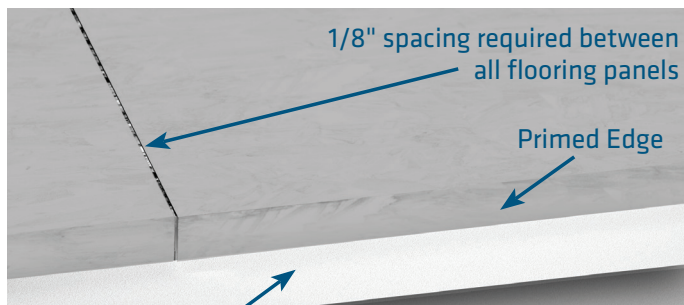


Figure 1
Joist or Wood Framing
(Must allow for a minimum 6" space between ground and LP ProStruct Flooring Panel)



LP PROSTRUCT FLOORING WITH SMARTFINISH FASTENING SCHEDULE

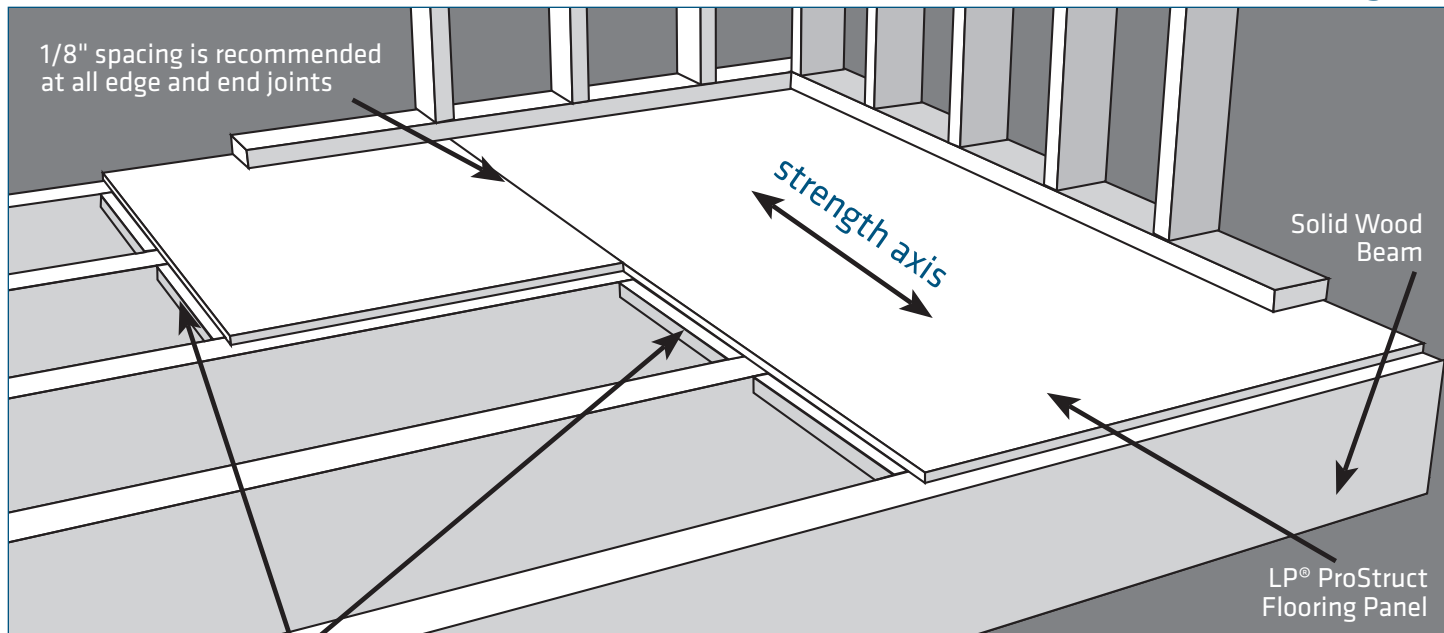
| SPAN RATING (MAXIMUM JOIST SPACING) (IN.) | MINIMUM PANEL THICKNESS (IN.) | FASTENING: GLUE-NAILED (a) | | | FASTENING: NAILED ONLY | | |
|---|-------------------------------|--|-----------------------|-----------------------|---|-----------------------|-----------------------|
| | | NAIL SIZE AND TYPE | MAXIMUM SPACING (IN.) | | NAIL SIZE AND TYPE | MAXIMUM SPACING (IN.) | |
| | | | SUPPORTED PANEL EDGES | INTERMEDIATE SUPPORTS | | SUPPORTED PANEL EDGES | INTERMEDIATE SUPPORTS |
| 20" | 19/32" (.578) | 6d <small>(0.113 in. shank diameter)</small> deformed shank ^(b) | 12 | 12 | 6d <small>(0.113 in. shank diameter)</small> deformed shank | 6 | 12 |
| 24" | 23/32" (.703) | 6d <small>(0.113 in. shank diameter)</small> deformed shank ^(b) | 12 | 12 | 6d <small>(0.113 in. shank diameter)</small> deformed shank | 6 | 12 |

(a) Use only adhesives conforming to APA Specification AFG-01, applied in accordance with the manufacturer's recommendations.

(b) 8d (0.131 in. shank diameter) common nails may be substituted if ring- or screw-shank nails are not available.

(c) **Consult the Voluntary Product Standard (PS2-10) for Wood-Based Structural-Use Panels to obtain additional information regarding structural performance.**

Floor Construction



Blocking between supports with square edge panels

NOTE: Provide adequate ventilation and use ground cover vapor retarder when treated beams are used in site preparation.

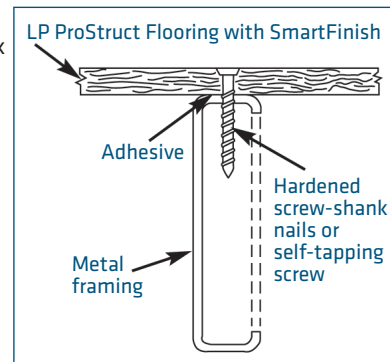
19/32" (.578) 20" Maximum joist space
23/32" (.703) 24" Maximum joist space

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' 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. Blocking is not required with tongue and groove edge panels.
- Apply a continuous line of glue, about 1/4" 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. A 1/8" space between all end joints is recommended. Use a spacer tool to assure accurate and consistent spacing.
- Complete all 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.
- Fasteners should penetrate into framing members at least 1". Use 6d ring- or screw-shank nails for panels 3/4" thick or less.
- Fasten panels 3/8" 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 screw-shank nails or with self-drilling, self-tapping screws plus adhesive. Consult metal framing manufacturer for recommended procedure, fasteners and adhesive products.
- Fasten the panel to the metal framing system following the fastening schedule required for wood framing applications.



Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.



Technical Service:
800.450.6106
customer.support@lpcorp.com
www.lpcorp.com

Sales Office:
Nashville 888.822.8899

RECOMMENDED UNIFORM FLOOR LIVE LOADS FOR LP PROSTRUCT FLOORING WITH SMARTFINISH WITH STRENGTH AXIS PERPENDICULAR TO SUPPORTS ^(a)

| LP ProStruct Flooring Span Rating | Sheathing Span Rating | Minimum Panel Thickness (in.) | Maximum Span (in.) ¹² | Allowable Live Loads (psf) ^(b) | | | | | |
|-----------------------------------|-----------------------|-------------------------------|----------------------------------|---|------|-----|-----|----|----|
| | | | | Joist Spacing (in.) | | | | | |
| | | | | 16 | 19.2 | 24 | 32 | 40 | 48 |
| 20 oc ^(c) | 40/20 | 19/32 | 19.2 | 270 | 150 | 100 | | | |
| 24 oc | 48/24 | 23/32 | 24 | 430 | 240 | 160 | 100 | | |

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

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

(b) 10 psf dead load assumed. Live load deflection limit is 1/360.