GENERAL


• Strand Substrate panel siding with SilverTech or SmartFinish is specifically for sheds and other outdoor structures where the interior wall cavities will remain permanently exposed.

• Minimum 6 inch clearance must be maintained between siding and finish grade.

• Siding applied adjacent to porches, patios, walks, etc. must have a clearance of at least 1 inch above any surface.

• Minimum 1 inch clearance at intersection with roof line

• Apply siding in a manner that prevents moisture intrusion and water buildup.

• All exposed wood substrate must be sealed in a manner that prevents moisture intrusion and water buildup.

• LP does not recommend LP SmartSide Panel for use in ICF and SIP assemblies. If used, LP will not warrant for Buckling and Shrinkage. However, balance of warranty does remain intact.

• DO NOT USE STAPLES

• SIDING MUST NOT BE IN DIRECT CONTACT WITH MASONRY, CONCRETE, BRICK, STONE, STUCCO OR MORTAR.

STORAGE

• Store off the ground well supported, on a flat surface, under a roof or separate waterproof covering

• Keep siding clean and dry. Inspect prior to application.

STUD SPACING

• Strand Substrate 38 and 76 Series panel siding must be installed on 16 inch o.c. framing only. When installing on 24 inch o.c. framing, 190 Series panel siding is required.

• In all installations over masonry or concrete walls, the wall shall be furred out and open at the top and bottom of the wall to allow for convective ventilation between framing spaced 16 inch o.c. The framing shall be of adequate thickness to accept 1-1/2 inches of nail penetration. A properly installed breathable water-resistive barrier is required between the siding and masonry or concrete walls.

MOISTURE

• Moisture control and water vapor control are critical elements of proper housing design. Check your local building codes for application procedures for handling moisture and water vapor in your area.

• When using wet blown cellulose insulation, the insulation must not be in direct contact with the siding and it must be allowed to dry a minimum of 24 hours or longer if specified by the insulation manufacturer.

• As with all wood products, do not apply engineered wood siding to a structure having excessive moisture conditions such as drying concrete, plaster or wet blown cellulose insulation. If such conditions exist, the building should be well ventilated to allow it to dry prior to the application of the siding.

• Siding must not be applied to green or crooked structural framing members. Do not apply siding over rain-soaked or buckled sheathing materials.

• Gutters are recommended for control of roof water run off.

SECONDARY WATER-RESISTIVE BARRIER

• LP strongly recommends the use of a secondary water-resistant barrier behind all LP SmartSide siding. A properly installed water-resistant barrier provides a second line of defense to incidental moisture behind the siding.

• The LP SmartSide limited warranty does not expressly or implicitly cover water penetration. LP does not assume responsibility for any water penetration.

• Sheds and other accessory structures that are not heated or cooled do not require a secondary water-resistant barrier if exempt by applicable building codes.

GAPS & SEALANTS

• Seal all gaps with a high-quality, non-hardening, paintable sealant. Follow the sealant manufacturer’s instructions for application.

• Use a high-quality exterior sealant meeting the ASTM C920, minimum Class 25 sealant.

FLASHING, WINDOWS, DOORS & OPENINGS

• All openings must be properly sealed or flashed in a manner that prevents moisture intrusion or buildup. Several examples that accomplish this are shown on the following pages.
Nailing Instructions

• In braced wall assemblies, use minimum 6d (0.113 in. shank diameter) hot-dipped galvanized nails for 38 and 76 Series panels and minimum 8d (0.131 in. shank diameter) for 190 Series panels. Do not use electroplated fasteners. Refer to your local building code to verify the minimum allowable fastener size.

• Penetrate structural framing or wood structural panels and structural framing a minimum of 1-1/2 inches.

• For 38 Series panels, double nailing procedure meets wall bracing requirements and 5/16 inch shear wall design values.

• For 76 and 190 Series panels, single nailing meets wall bracing requirements. To meet the equivalent 3/8 inch shear wall design values, double nailing procedures must be used. It may be necessary to angle drive the second nail in order to penetrate the framing. Seal nails driven below the surface.

Do not use

• Semi-transparent and transparent stains.
• Shake and shingle paints.
• Vinyl-based resin formulas such as vinyl acetate, PVA, vinyl acetate/acrylic copolymer paints.

Handle Prefinished LP SmartSide Products with Extreme Care During Storage and Application. Touch Up Any Damage to the Finish that May Occur During Application Per Prefinisher's Specifications.

Finishing Instructions

Do

• Prime and paint all exposed surfaces including all drip edges or where water will hang.
• Apply finish coat as soon as possible or within 180 days of application.
• Shear values for panels applied directly to studs shall be no greater than noted in Table 1 of the ICC-ES Report ESR-1301 or Table 1 of APA PR-N124.

• Not warranted for application on SIP and ICF assemblies.

CAUTION

• 38 and 76 Series panels must be installed on 16 inch o.c. framing only. When installing on 24 inch o.c. framing, 190 Series panels are required.

• Backside of panel must not come in contact with masonry or concrete foundation.

• Do not force siding into place. Maintain the illustrated 1/8 inch space behind the joint to allow for expansion while the panel equilibrates with the local environment.

• LP® SmartSide® Panel siding must not be attached by stapling.

• DO NOT INSTALL OVER ALIGNMENT BEAD. Install panels in light contact to the edge of alignment bead. (see Figure 1 and Figure 2)

• Climb cut the surface of the siding such that the rotation of the blade cuts downward on the primed or prefinished surface.

• Where siding butts window trim, door casings and masonry, etc. leave a 3/16 inch gap and seal.

Insulated Sheathings

LP SmartSide Sidings may be installed over low-compression rigid foam or exterior gypsum. The following precautions must be followed:

a) Adequate bracing of the wall in accordance with the International Codes or other ruling building code is required.

b) For rigid foam sheathing up to 1 inch (25.4 mm) thick, siding may be nailed directly to the foam sheathing unless a drainage plane is required by the local building code. Nail length must be increased to ensure a minimum 1-1/2 inch (38.1 mm) fastener penetration into the structural framing.

c) For rigid foam sheathing greater than 1 inch (25.4 mm), a minimum 1-1/2 inch (38.1 mm) thick by 3-1/2 inch (88.9 mm) wide vertical strapping or furring strip must be installed over the sheathing to provide a solid, level nailing base for the siding. The strapping must be securely fastened to structural framing spaced no greater than 16 inches o.c. (406 mm) with a minimum nail penetration of 1-1/2 inches (38.1 mm) and a maximum nail spacing no greater than the width of the siding.

Louisiana-Pacific will assume no responsibility for any damage or condition arising from the use of rigid foam or exterior gypsum.
**LP SmartSide Panel Siding Joint Details (cont.)**

**HORIZONTAL BELTLINE JOINTS**
For multi-story buildings, make provisions at horizontal joints for “setting” shrinkage of framing, especially when applying siding directly to studs.

**Siding Must Not Contact Masonry**
Extend siding below sill plate
Min. 1/8 in. or flashing between siding and masonry.

**Gap, Flash Doors & Windows**
Interior Finish
Code Approved Breathable Water-Resistive Barrier
3/8 in. gap
Sloped flashing with 4 in. vertical leg
Trim
Nail fin (do not damage)

**4 FT. X 8 FT. UNGROOVED SHIPLAP PANEL**

LP panel sidings are accepted by the State of California as category 8140- Exterior wall siding and sheathing for Wildland Urban Interface (WUI) applications. For WUI compliance, install LP panel sidings in accordance with Louisiana-Pacific’s printed application instructions with the addition of fire retardant seal (UL Listed fire caulk, nominal 1/4 inch bead) in the vertical joint and nailing pattern of 3 inch o.c. perimeter nailing/8 inch o.c. field nailing. Look for the California State Fire Marshal Office label on our siding.

The Louisiana-Pacific Corporation (“LP”) LP SmartSide Siding (the “Products”) limited warranty (the “Warranty”) applies only to structures on which the Products have been applied, finished and maintained in accordance with the published application, finishing and maintenance instructions in effect at the time of application. The failure to follow such application, finishing or maintenance instructions will void the Warranty as to the portion of the Products affected by the variance (the “Affected Products”).

LP assumes no liability for any loss or damage sustained by the Affected Products and is expressly released by the purchaser or owner from any such loss or liability.

Any modification of the Warranty’s application, finishing or maintenance requirements is void and unenforceable unless approved in writing prior to application by the Siding General Manager or his designee and a member of the LP Legal Department.

For a copy of the warranty or for installation and technical support, visit the LP SmartSide product support Web site at:

**www.lpsmartside.com**

or for additional support call 800-450-6106.

**WARRANTY REMEDIES ARE NOT AVAILABLE IF REQUIREMENTS ARE NOT FOLLOWED.**

**Cal. Prop 65 Warning:** Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.
Gap \(\frac{3}{16}\) in. and seal

Vapor Retarder

Breathable water-resistant barrier

6 in. minimum

bottom course detail

panel joint