General


- Minimum 6 inch (152 mm) 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 (25 mm) above any surface.

- Minimum 1 inch (25 mm) clearance at intersection with roof line.

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

- All wood substrate that is exposed to the weather must be sealed in a manner that prevents moisture intrusion and water build up.
  - Seal ALL exposed cuts of siding and trim. Field spray applied coatings on cuts are not recommended.
  - Sealing can be accomplished by applying a coating or sealant according to the manufacturer’s requirements.
  - Butt joints that are covered with joint molding, sealant or factory prefinished end, are considered sealed from the weather.

- See Alternate Fastening Options for fastening lap siding to SIP, ICF and Steel Frame assemblies.

- 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

- 38 Series Strand Substrate lap may be installed on studs spaced a maximum of 16 inches (406 mm) o.c.

- See Alternate Fastening Options for fastening 38 Series Strand Substrate 6 inch (152 mm) and 8 inch (203 mm) lap on studs spaced a maximum of 24 inches (610 mm) o.c.

- 76 Series Strand Substrate lap may be installed on studs spaced a maximum of 24 inches (610 mm) o.c.

Moisture

- Moisture control and moisture 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-Resistant Barrier

- A properly installed breathable water-resistant barrier is required behind the siding. Consult your local building code for details.

- LP will assume no responsibility for water penetration.

Gaps & Sealants

- Seal 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

• LP SmartSide 38 Series lap siding may be attached directly to framing members spaced a maximum of 16 inches (406 mm) o.c.
• LP SmartSide 76 Series lap siding may be attached directly to framing members spaced a maximum of 24 inches (610 mm) o.c.
• Check your local building codes before starting to install siding to confirm if wood structural panel wall sheathing is required.
• Siding butt joints should be staggered over successive courses.
• For siding installations with or without wood structural panels, butt joints must occur over stud locations.
• Siding shall be installed with top (blind) nailing, with the nails placed 3/8 inch (10 mm) from either end and a minimum of 3/4 inch (19 mm) from the top edge of the board. Fasteners will be exposed on siding located immediately below window sills, fascia boards, and horizontal trim. Fasteners below window sill shall be spaced a maximum of 8 inch (203 mm) o.c.
• Overlap successive courses of siding a minimum of 1 inch (25 mm).

Finishing Instructions

• Seal 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.
• Follow the coating manufacturer’s application and maintenance instructions.
Application Instructions (cont.)

Alternative Fastening Option over ICF Assemblies

- Minimum withdrawal value of the ICF nailing flange must be 50 lbs. with a maximum 12 inches (305 mm) o.c. screw spacing.
- Minimum withdrawal value of the ICF nailing flange must be 31 lbs. with a maximum 6 inches (152 mm) o.c. screw spacing.

Alternative Fastening Options over Corrosion Resistant Steel Stud Framing

- Minimum withdrawal value of the steel framing must be 50 lbs. Refer to the framing manufacturer’s evaluation report.
- 38 Series Strand Substrate lap must be fastened with:
  - Stud spacing a maximum spacing of 16 inches (406 mm) o.c.
  - Minimum #8 hot-dipped galvanized, tapered head, self-drilling screw.
  - Minimum of 5 threads beyond the combined thickness of the siding and steel stud framing.
  - Minimum steel framing thickness of 0.032 inch (8 mm) or 20 gauge.
- 76 Series Strand Substrate lap must be fastened with:
  - Stud spacing a maximum spacing of 24 inches (610 mm) o.c.
  - Minimum #8 hot-dipped galvanized, tapered head, self-drilling screw.
  - Minimum of 5 threads beyond the combined thickness of the siding and steel stud framing.
  - Minimum steel framing thickness of 0.032 inch (8 mm) or 20 gauge.

CAUTION

- Do not force siding into place.
- DO NOT USE STAPLES.
- 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 (5 mm) gap and seal.

Insulated Sheathings

LP SmartSide lap sidings may be installed over low-compression, rigid foam insulation sheathing or exterior gypsum. The following precautions must be followed:

- Adequate bracing of the wall in accordance with the International Building Codes or other ruling building codes is required.
- For rigid foam insulation sheathing up to 1 inch (25 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 mm) fastener penetration into the structural framing.
• For rigid foam insulation sheathing greater than 1 inch (25 mm), a minimum 1-1/2 inches (38 mm) thick by 3-1/2 inches (89 mm) wide vertical strap 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 (406 mm) o.c. with a minimum nail penetration of 1-1/2 inches (38 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 insulation sheathing or exterior gypsum.

OVERLAP, CLEARANCE & NAILING SPACE

Figure 1

Butt Joints

Figure 2

• Butt joints must occur over studs.
• A minimum 3/16 inch (5 mm) gap is required at ALL butt joints.
• If joint caulking option is selected, seal all gaps at butt joints with a high-quality exterior sealant meeting the ASTM C920, minimum Class 25 sealant.
• If joint moulding option is selected, add the thickness of the web to the gap allowing a net 3/16 inch (5 mm) space for expansion.
• If siding is prefinished by a Preferred Prefinisher, gap does not require sealant or joint moulding when backed with minimum 4 inch (102 mm) wide flashing and the ends of the siding are factory finished.

LP Strand Substrate Lap Siding may also be installed in compliance with Category 8140 - Exterior wall siding and sheathing for Wildland Urban Interface (WUI) applications atop LP FlameBlock sheathing. Refer to FlameBlock installation instructions and product data sheets. All LP lap sidings may be installed as exterior siding in Wildland Urban Interface (WUI) applications installed over one layer 5/8" (16 mm) Type X gypsum sheathing applied behind the exterior covering or cladding on the exterior side of the framing. They may also be installed over the exterior portion of a 1-hour fire-resistive exterior wall assembly designed for exterior fire exposure including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual.

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 unless approved in writing by LP prior to application.

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

WARRANTY REMEDIES ARE NOT AVAILABLE IF REQUIREMENTS ARE NOT FOLLOWED.

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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NOTE: Louisiana-Pacific Corporation periodically updates and revises its product information. To verify that this version is current, call 800-450-6706.
Over Openings

Ensure complete paint coverage of the drip edge

Flash, shim, & gap 3/8"

Breathable water-resistant barrier

Vapor Retarder
if required by code

Alternate Butt Joint Treatments

Joint Moulding
Gap 3/16", plus thickness of joint moulding web

Caulked Butt Joint
Gap 3/16" and seal 3/16 in.

Inside Corner Detail

gap 3/16" and seal

Outside Corner Detail

gap 3/16" and seal