

# Installing Prefinished LP® SmartSide® Lap Siding

To find additional information and the complete installation instructions for the family of LP products go online at [www.lpcorp.com](http://www.lpcorp.com)



Product must be installed in accordance with the LP SmartSide Installation Guidelines for the warranty to be valid. Additional information is available online at [www.lpcorp.com](http://www.lpcorp.com)



## Step 1: Prepare the Walls

All LP® SmartSide® products must be installed over a code approved weather-resistive barrier. Install trim on corners and around doors and windows before installing siding. Inspect the walls for any defects in the framing, sheathing, house-wrap, flashings or any other previously installed materials.

## Step 2: Read the Application Instructions

Follow the LP SmartSide application instructions for each product located at [www.lpcorp.com](http://www.lpcorp.com) and remember the basics:

- Prime and paint all cut ends and edges.
- Space all joints 3/16" (including at corners and around windows, doors and trim).
- Apply and treat fastener errors as specified in application instructions.
- Ground clearances: minimum 6" above grade, and a minimum 1" above roof lines, sidewalks, patios, decks and other finished surfaces.
- Lap fastening pattern: fasten from one side to the other, or from the center out towards the ends. NEVER fasten from the ends to the middle.
- **Blind-nail** Precision Series (all widths), Foundations and Architectural Collection (up to 8 inch wide). **Face-nail** Foundations and Architectural Collection (over 8 inch wide)
- Blind-nailing fastener placement: 3/8" from siding ends, 3/4" from siding top edge.

## Step 3: Install a Starter Shim

Snap a level chalk-line along the base of the wall for your clearance and starter shim height. Make sure it is level by measuring down from the top of the wall to the proper clearance level. Siding clearances are a minimum 6" above grade, and a minimum 1" above roof lines, sidewalks, patios, decks and other finished surfaces. Allow for a 1/2" overhang for the first course of siding over the starter shim. Align the starter shim above the snapped chalk-line and fasten in place.

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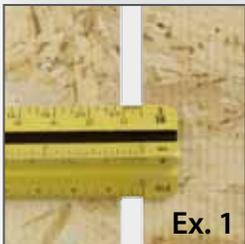
## Step 4: Install First Course of Lap Siding

Snap another level chalk-line, depending on the width of the lap siding, several inches above the starter shim for the alignment of the top edge of the first course of lap. Allow for the lap siding width to hang over the bottom of the starter shim by 1/2". Cut lap siding to the proper length, and prime and paint all cut ends and edges. Using the new chalk-line mark, align the top edge of the lap siding so it is level on the line. Fasten the lap from one end to the other, or from the middle out towards the ends. NEVER fasten from the ends to the middle as this could cause bowing.



## Step 5: Install Remaining Courses of Lap Siding

Using a tape measure or specialized siding tool, be sure to maintain the same desired overhang distance of at least 1" for each remaining course. Leave a minimum 3/16" space at all joints including at corners and around windows, doors and trim (Ex. 1). Stagger the joints for better craftsmanship and visual appearance. Keep checking that each piece of lap is fastened and spaced properly, and that each course of lap is level. Remember to prime and paint all cut ends and edges.



**Additional tip:** For treating butt joints with prefinished lap siding you may choose from these 3 methods:

1. Caulk the joint with color matched sealant
2. Pan-flash behind joint - Only allowed with factory finished edges.
3. Apply color matched H-clip, or joint moulding. *Using an H-clip will require an additional 3/16" space (width of H-clip flange) making the joint spacing 3/8" (Ex. 2)*



## Step 6: Install Around Windows

Window trim will require a sloped metal drip cap / Z-flashing above the window. Properly integrate the drip cap / Z-flashing with the house-wrap. Always allow for a 3/8" space between the siding edge and flashing edge, and do not caulk this space. Leave a 3/16" space between the vertical sides of the window or window trim and the siding ends. If the lap siding beneath the window must be cut to size, face nail this piece under the window every 8". Apply sealant to the vertical side joints and to the space beneath the window. Caulk and seal all remaining trim and siding joints.

**Additional tip:** Do not caulk shiplap joints or any space where drip cap / Z-flashing is integrated.

# Installing Prefinished LP® SmartSide® Shake Siding

To find additional information and the complete installation instructions for the family of LP products go online at [www.lpcorp.com](http://www.lpcorp.com)



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## Step 1: Prepare the Walls

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## Step 2: Read the Application Instructions

Follow the LP SmartSide application instructions for each product located at [www.lpcorp.com](http://www.lpcorp.com) and remember the basics:

- Prime and paint all cut ends and edges.
- Space all joints 3/16" (including at corners and around windows, doors and trim).
- Apply and treat fastener errors as specified in application instructions.
- Ground clearances: minimum 6" above grade, and a minimum 1" above roof lines, sidewalks, patios, decks and other finished surfaces.
- Face-nail shakes a minimum of every 16" at stud locations.

## Step 3: Install a Starter Shim

Snap a level chalk-line along the base of the wall for your clearance and starter shim height. Make sure it is level by measuring down from the top of the wall to the proper clearance level. Siding clearances are a minimum 6" above grade, and a minimum 1" above roof lines, sidewalks, patios, decks and other finished surfaces. Allow for a 1/2" overhang for the first course of shakes over the starter shim. Align the starter shim above the snapped chalk-line and fasten in place.

# Installing Prefinished LP® SmartSide® Shake Siding



## Step 4: Install First Course of Shakes

Snap another level chalk-line several inches above the starter shim for the alignment of the top edge of the first course of shakes. Allow for the shake siding width to hang over the bottom of the starter shim by 1/2". Cut the shakes to the proper size, and prime and paint all cut ends and edges. Using the new chalk-line, align the top edge of the shake piece so it is level on the line. Face nail the shakes from one end to the other.

**Additional tip:** LP SmartSide shakes are reversible and may be installed with either the staggered edge reveal or the straight edge. You may also choose to install only the first course with the straight edge down in order to achieve a straight profile at the base of the wall.



## Step 5: Install Remaining Courses of Shakes

Using a tape measure or specialized siding tool, be sure to maintain the same desired overhang distance of at least 1-3/4" for each remaining course. Leave a minimum 3/16" space at all joints including at corners and around windows, doors and trim. Stagger the joints for better craftsmanship and visual appearance. Keep checking that each piece of shake is fastened and spaced properly, and that each course of shake is level. Remember to prime and paint all cut ends and edges.



## Step 6: Install Shakes Around Windows

Window trim will require a sloped metal drip cap / Z-flashing above the window. Properly integrate the drip cap / Z-flashing with the house-wrap. Always allow for a 3/8" space between the siding edge and flashing edge, and do not caulk this space. Leave a 3/16" space between the vertical sides of the window or window trim and the siding ends. If the shake siding beneath the window must be cut to size, face nail the pieces under the window every 8". Apply sealant to the vertical side joints and to the space beneath the window. Caulk and seal all remaining trim and siding joints.

**Additional tip:** Do not caulk shiplap joints or any space where drip cap / Z-flashing is integrated.

# Installing Prefinished LP® SmartSide® Panel Siding

To find additional information and the complete installation instructions for the family of LP products go online at [www.lpcorp.com](http://www.lpcorp.com)



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## Step 1: Prepare the Walls

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## Step 2: Read the Application Instructions

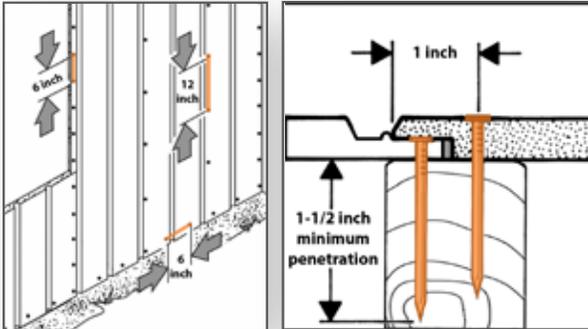
Follow the LP SmartSide application instructions for each product located at [www.lpcorp.com](http://www.lpcorp.com) and remember the basics:

- Prime and paint all cut ends and edges.
- Space all joints 3/16" (including at corners and around windows, doors and trim).
- Apply and treat fastener errors as specified in application instructions.
- Ground clearances: minimum 6" above grade, and a minimum 1" above roof lines, sidewalks, patios, decks and other finished surfaces.
- Panel siding fastening pattern: a minimum of every 6" around the perimeter and every 12" along intermediate supports.
- For panel siding, treat every horizontal joint with drip cap / Z-flashing and a 3/8" space (do not caulk this space).

## Step 3: Position the Panels

If installing the panels above a trim water table or band board, be sure to properly flash the trim and leave a 3/8" space between the flashing edge and the bottom edge of the panel. Position the panel so it is level and spaced a minimum of 3/16" from windows, doors and trim.

# Installing Prefinished LP® SmartSide® Panel Siding



## Step 4: Fasten the Panels

Once the panel is properly leveled and spaced you may begin fastening to the wall. Fasten each panel according to the product's application instructions. Fasten around the perimeter of the panel into studs a minimum of every 6". Fasten through the shi lap edge of the underlapping panels, and over 1" from the shi lap edge through the overlapping panels. At the intermediate studs, fasten a minimum of every 12".



## Step 5: Horizontal Panel Joints

When installing more than one course of panels, properly treating the horizontal joints may help resist water intrusion. The vertical joints are designed with shi lap edges to help flash water away from the wall cavity. Horizontal joints must be treated with a sloped metal drip cap / Z-flashing. The drip cap / Z-flashing must be installed above the lower panel and properly integrated with the house-wrap. Space the bottom edge of the upper panel 3/8" from the sloped drip cap / Z-flashing and do not caulk this space.



## Step 6: Install Around Windows

Window trim will require a sloped metal drip cap / Z-flashing above the window. Properly integrate the drip cap / Z-flashing with the house-wrap. Always allow for a 3/8" space between the siding edge and flashing edge, and do not caulk this space. Leave a 3/16" space between the vertical sides of the window or window trim and the siding edges. Apply sealant to the vertical side joints and to the space beneath the window. Caulk and seal all remaining trim and siding joints.

**Additional tip:** Do not caulk shi lap joints or any space where drip cap / Z-flashing is integrated.