



SMARTSIDE[®]
TRIM & SIDING

COLORFUSION[™]
Timeless Beauty. Enduring Performance.



Installation Guide Best Practices



LP® SmartSide® Strand Substrate Lap Siding and LP® SmartSide® Fiber Substrate Lap Siding

Application Tips

REVIEW LP APPLICATION INSTRUCTIONS PRIOR TO PRODUCT INSTALLATION

- Nails – must penetrate structural framing or wood structural panels & structural framing min. 1½"
- Nail size – 76 Series Fiber min. (length = 2½", shank dia. = 0.113", head dia. = 0.270") hot-dipped galvanized or equal Stud spacing – max. 16"o.c.
- Nail size – 38 Series Strand min. (length = 2½", shank dia. = 0.113", head dia. = 0.297") hot-dipped galvanized or equal Stud spacing – max. 16"o.c.
- Nail size – 76 Series Strand min. (length = 2½", shank dia. = 0.113", head dia. = 0.297") hot-dipped galvanized or equal Stud spacing – max. 24"o.c.
- See application instructions for possible alternative fastening options
- Nail placement – 3/8" from siding end and min. of 3/4" from top edge of siding
- Overlap – min. 1"
- Do not overdrive nails – if overdriven, apply sealant and re-nail
- Caulk – use a high-quality exterior sealant meeting the ASTM C920, min. Class 25 sealant
- Prime & paint all exposed or cut edges – primer not required if approved by paint manufacturer
- Spacing at lap butt joints and trim – min. 3/16"
- Butt joints – 3 methods: caulk, pan flashing, or joint moulding
- Siding clearance at unfinished grade – min. 6" above finish grade
- Siding clearance at finished grade, above porch surface, and roof line – min. 1" clearance
- Siding must not be in direct contact with masonry, concrete, brick, stone, stucco, or mortar
- Drip cap flashing required over all horizontal trim or bands – flashing shall be metal or another durable material that under normal outdoor environmental conditions will last for not less than 50 years
- Space above sloped drip cap flashing – min. 3/8" (do not caulk)
- Piece of lap siding below window or frieze will require face nailing at 8"o.c.
- Siding over rigid foam insulation adds complexity to siding installation – see application instructions
- Limitations of Use – see application instructions

Study LP's Application Instructions with your team at www.lpcorp.com for more detailed storage, application, and maintenance requirements.

Thank you from all of us at LP.

LP® SmartSide® Strand Substrate Panel Siding and LP® SmartSide® Fiber Substrate Panel Siding

Application Tips

REVIEW LP APPLICATION INSTRUCTIONS PRIOR TO PRODUCT INSTALLATION

- Nails – must penetrate structural framing or wood structural panels & structural framing min. 1½"
- Nail size – 76 Series Fiber, 38 Series Strand, and 76 Series Strand min. (length = 2½", shank dia. = 0.113", head dia. = 0.270") hot-dipped galvanized or equal Stud spacing – max. 16"o.c.
- Nail size – 190 Series Strand min. (length = 2½", shank dia. = 0.131", head dia. = 0.297") hot-dipped galvanized or equal Stud spacing – max. 24"o.c.
- Nail placement – 3/8" from ends
- Nail quantity – 6"o.c. at the edges, 12"o.c. in the field
- Horizontal joints – must be supported by framing, gapped 3/8" & flashed with non-corrosive Z-flashing
- Vertical joints/shiplap edge – must fall on center of studs
- Vertical joints/shiplap edge – 38 Series Strand - double nailing required
- Vertical joints/shiplap edge – 76 Series Fiber - double nailing required
- Vertical joints/shiplap edge – 76 & 190 Series Strand - single nailing allowed
- Nail placement – 1" from edge at overlap flange (if double nailed), or 3/8" from edge (if single nailed)
- Do not overdrive nails – if overdriven, apply sealant and re-nail
- Caulk – use a high-quality exterior sealant meeting the ASTM C920, min. Class 25 sealant
- Prime & paint all exposed or cut edges – primer not required if approved by paint manufacturer
- Where panels butt up against window, door, and corner trim space – min. 3/16"
- Siding clearance at unfinished grade – min. 6" above finish grade
- Siding clearance at finished grade, above porch surface, and roof line – min. 1" clearance
- Siding must not be in direct contact with masonry, concrete, brick, stone, stucco, or mortar
- Drip cap flashing – required above all windows & doors – flashing shall be metal or another durable material that under normal outdoor environmental conditions will last for not less than 50 years
- Space above sloped drip cap flashing – min. 3/8" (do not caulk)
- Siding attached to SIP or ICF – NOT RECOMMENDED
- Siding over rigid foam insulation adds complexity to siding installation – see application instructions
- Limitations of Use – see application instructions

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Thank you from all of us at LP.

LP® SmartSide® Cedar Shake Fiber Substrate Lap

Application Tips

REVIEW LP APPLICATION INSTRUCTIONS PRIOR TO PRODUCT INSTALLATION

- Nails – must penetrate structural framing or wood structural panels & structural framing min. 1½"
- Nail size – min. (length = 2½", shank dia. = 0.113", head dia. = 0.270") hot-dipped galvanized or equal Stud spacing – max. 16"o.c.
- Cedar Shakes – must be face nailed
- Vertical joints/shiplap end – must fall on center of studs
- Vertical joints/shiplap end –double nailing required
- Nail placement overlap – 1" from end at overlap flange, ¾" up from edge
- Nail placement underlap – ⅜" from edge at underlap, 1-¼" up from edge
- Shake overlap – min. 1-¾"
- Do not overdrive nails – if overdriven, apply sealant and re-nail
- Caulk – use a high-quality exterior sealant meeting the ASTM C920, min. Class 25 sealant
- Prime & paint all exposed or cut edges – primer not required if approved by paint manufacturer
- Where Cedar Shake butt up against window, door, and corner trim space – min. ⅜"
- Siding clearance at unfinished grade – min. 6" above finish grade
- Siding clearance at finished grade, above porch surface, and roof line – min. 1" clearance
- Siding must not be in direct contact with masonry, concrete, brick, stone, stucco, or mortar
- Drip cap flashing required over all horizontal trim or bands – flashing shall be metal or another durable material that under normal outdoor environmental conditions will last for not less than 50 years
- Space above sloped drip cap flashing – min. ⅜" (do not caulk)
- Siding attached to SIP or ICF – NOT RECOMMENDED
- Siding over rigid foam insulation adds complexity to siding installation – see application instructions
- Limitations of Use – see application instruction

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Thank you from all of us at LP.

LP® SmartSide® Strand Substrate Soffit and LP® SmartSide® Fiber Substrate Soffit

Application Tips

REVIEW LP APPLICATION INSTRUCTIONS PRIOR TO PRODUCT INSTALLATION

- Nails – must penetrate structural framing min. 1"
- Nail size – min. (length = 2½", shank dia. = 0.113", head dia. = 0.270") hot-dipped galvanized or equal
- See application instructions for possible alternative fastening options
- Nail placement – 3/8" from ends and edges
- Nail quantity – 6"o.c. at the edges, 12"o.c. in the field
- Ripping – do not rip as it will leave the edges unprotected. If ripped you must take special care to prime, paint and seal all exposed wood fiber as described in the finishing section.
- Ripping – if soffit needs to be ripped to width, rip 3/8" less than full width so you can leave a 3/16" space on each side
- Do not overdrive nails – if overdriven, apply sealant and re-nail
- Caulk – use a high-quality exterior sealant meeting the ASTM C920, min. Class 25 sealant
- Prime & paint all exposed or cut edges – primer not required if approved by paint manufacturer
- Space all end and edge joints 3/16" and apply sealant
- Soffit products are not designed for and are not suitable for use as siding, trim, or fascia – Exceptions: 8' and 9' Fiber Substrate Soffit Panels, refer to stamp rating on the back of panel
- Soffits must not be in direct contact with masonry, concrete, brick, stone, stucco or mortar. Backer rod is recommended to properly space materials at these location.
- Vented soffit – butt straight cut edges without cutting through the vents. Make sure that vents do not land closer than 3" from the end or corner. Do not make diagonal cuts through vents.
- Exhaust ducts shall terminate not less than 3 feet in any direction from openings in vented soffit
- Vented Cut-To-Width soffit provides ventilation of 10 square inches per linear foot
- Open or Closed Soffits – see application instructions for Limitations of Use
- Limitations of Use – see application instructions

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Thank you from all of us at LP.

LP® SmartSide® Strand Substrate Trim and Fascia and LP® SmartSide® Fiber Substrate Trim and Fascia

Application Tips

REVIEW LP APPLICATION INSTRUCTIONS PRIOR TO PRODUCT INSTALLATION

- Nails – must penetrate structural framing or wood structural panels & structural framing min. 1"
- Nail size – min. (shank dia. = 0.113", head dia. = 0.270") hot-dipped galvanized or equal
- See application instructions for possible alternative fastening options
- Nail placement – 2 nails at both ends with additional fasteners spaced a max. 24"o.c. along the length of the board, or with 2 nails at both ends with additional fasteners spaced a max. 12"o.c. along alternating edges the length of the board
- Nail placement – 3/8" from trim outside edges (shift nail inward if necessary to hit framing)
- Do not overdrive nails – if overdriven, apply sealant and re-nail
- Caulk – use a high-quality exterior sealant meeting the ASTM C920, min. Class 25 sealant
- Prime & paint all exposed or cut edges – primer not required if approved by paint manufacturer
- Spacing at trim butt joints – min. 3/16" (except around windows and doors)
- Butt joints – require 4 nails with 2 on either side of butt joint for trim under 7", for trim 7" to 12" use 6 nails with 3 on either side, and for trim over 12" use 8 nails with 4 on either side
- Trim clearance at unfinished grade – min. 6" above finish grade
- Trim clearance at finished grade, above porch surface, and roof line – min. 1" clearance
- Trim must not be in direct contact with masonry, concrete, brick, stone, stucco, or mortar
- Trim at foundation – do not let contact masonry or concrete foundation
- Brick frieze – min. 3/8" air space between trim & brick
- Drip cap flashing required over all horizontal trim or bands – flashing shall be metal or another durable material that under normal outdoor environmental conditions will last for not less than 50 years
- Space above sloped drip cap flashing – min. 3/8" (do not caulk)
- Trim may be installed as fascia without sub-fascia, if it is 440 Series or larger, and the following specifications are met:
 - Trim and fascia must be greater than 5" wide
 - Max. roof truss or rafter spacing of 24"o.c.
- Metal drip edge – required at edge of roofing where it meets fascia
- Trim – DO NOT USE AS SIDING
- Miter cuts – do not miter cut ends or edges at corner joints of band boards, corner boards, fascia, etc.
- Diagonal cuts – allowed at trim around window & door openings
- Ripping – do not rip and/or rout the trim or fascia as it will leave the edges unprotected. If the trim or fascia materials are ripped you must take special care to prime, paint and seal all exposed wood fiber.
- Scarf joints – DO NOT USE
- Trim over rigid foam insulation adds complexity to siding installation – see application instructions
- Limitations of Use – see application instructions

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