

LP® SMARTSIDE®
MITTEN

LP® SmartSide® Engineered Wood Siding

SKU: MITTEN-LP-SMARTSIDE

GAUGE

0.315 in. (38-Series) · 0.375 in. (76-Series) ·
0.625 in. (440-Series) · 0.910 in. (540-Series)

WARRANTY

50-Year Prorated Substrate · 5-Year 100%
Material & Labour · Hail Damage Limited
Warranty

PROFILES

38-Series Lap · 76-Series Lap · 440-Series
Trim · 540-Series Trim

LP® SmartSide® Engineered Wood Siding delivers the authentic warmth and grain of cedar — engineered to last longer, perform better, and go up faster than traditional wood or fiber cement alternatives. LP's proprietary SmartGuard® process treats every board to the core with zinc borate, providing factory-assured protection against fungal decay and termites that no field-applied treatment can match. With 16-ft boards in both 38-Series and 76-Series lap profiles, LP SmartSide creates up to 33% fewer seams than 12-ft fiber cement, reducing installation time and points of potential moisture entry. The system is completed by LP SmartTrim® — available in 440-Series and 540-Series profiles in seven widths — which cuts with standard tools and carries the same SmartGuard® protection. All products are pre-primed and ready to paint any colour on-site. Backed by a 50-year prorated limited warranty with 100% material and labour coverage for the first 5 years, plus an industry-unique hail damage warranty, LP SmartSide is the premium engineered wood choice for Canadian and North American residential construction.

Key Features

- SmartGuard® zinc borate treatment — decay and termite protection to the core
- 16-ft boards — up to 33% fewer seams than 12-ft fiber cement
- Pre-primed and ready to paint any colour
- 50-Year Prorated Warranty + 5-Year 100% Material & Labour coverage
- ICC-ES ESR-1301, APA PR-N124, HUD-MR-1318, CCNC 11826 code recognition
- Over 4 million homes installed since 1997 — zero documented decay claims
- NASA-tested impact resistance — outperforms fiber cement
- Deep authentic cedar wood-grain texture
- No special tools required for cutting LP SmartTrim®
- Hail Damage Limited Warranty (hail up to 1.75 in. diameter)
- SFI-certified sustainable wood fiber; no added urea-formaldehyde
- Green building points: LEED, NGBS, EarthCraft, BuiltGreen Canada

Profiles & Specifications

38

38-Series Cedar Texture Lap Siding

The 38-Series Cedar Texture Lap uses LP's Treated Engineered Strand substrate — the thinner, lighter profile in the LP SmartSide lap lineup. Deep authentic cedar wood-grain texture on the face. Each 16-ft board reduces on-site seams by up to 33% compared to 12-ft fiber cement alternatives. Pre-primed and ready to paint any colour. Maximum stud spacing 16 in. O.C.



Length	16 ft (4,877 mm)
Available Widths	5.84 in. (148 mm) · 7.84 in. (199 mm) · 11.84 in. (301 mm)
Nominal Thickness	0.315 in. (8 mm)
Substrate	Treated Engineered Strand
Texture	Deep cedar wood-grain
Max Stud Spacing	16 in. (406 mm) O.C.
Minimum Lap	1 in. overlap required
Fastener	Min 6d hot-dipped galvanized nail; 0.091 in. shank, 0.200 in. head
Finish	Factory pre-primed; field paint required within 180 days

76

76-Series Cedar Texture Lap Siding

The 76-Series Cedar Texture Lap is LP SmartSide's premium lap siding profile — thicker and stronger than the 38-Series with the same deep authentic cedar wood-grain texture. Engineered Strand substrate delivers superior impact resistance (NASA-tested) versus fiber cement. At 16 ft, boards minimize seams. Maximum stud spacing 24 in. O.C. for engineering versatility.



Length	16 ft (4,877 mm)
Available Widths	5.84 in. (148 mm) · 7.84 in. (199 mm) · 11.84 in. (301 mm)
Nominal Thickness	0.375 in. (10 mm)
Substrate	Treated Engineered Strand
Texture	Deep cedar wood-grain
Max Stud Spacing	24 in. (610 mm) O.C.
Minimum Lap	1 in. overlap required
Fastener	Min 8d hot-dipped galvanized nail; 0.113 in. shank, 0.297 in. head; min 1-1/2 in. framing penetration; max 12 in. O.C.
Finish	Factory pre-primed; field paint required within 180 days

440

440-Series Cedar Texture Trim

The 440-Series Cedar Texture Trim (LP SmartTrim®) is LP's most popular trim profile — available in seven widths from 1.5 in. to 11.21 in. Treated Engineered Strand substrate. Same deep cedar wood-grain texture as the lap siding for a seamless, coordinated appearance. Can be cut without special tools. Pre-primed. Compatible with all LP SmartSide siding systems.



Length	16 ft (4,877 mm)
Available Widths	1.50 in. · 2.50 in. · 3.50 in. · 5.50 in. · 7.21 in. · 9.21 in. · 11.21 in.
Nominal Thickness	0.625 in. (16 mm)
Substrate	Treated Engineered Strand
Texture	Deep cedar wood-grain (also available reversible cedar/smooth in Fiber substrate)
Fastener	Min 8d hot-dipped galvanized nail; 0.113 in. shank, 0.270 in. head; min 1 in. framing penetration
Butt Joint Gap	Min 3/16 in. — seal with ASTM C920 Class 25 sealant
Finish	Factory pre-primed; field paint required within 180 days

540

540-Series Cedar Texture Trim

The 540-Series Cedar Texture Trim is LP SmartTrim's heaviest and most substantial profile at 0.910 in. thickness — ideal for applications demanding extra bulk and rigidity: wide fascia, corner boards, and architectural accent bands. Same seven widths as the 440-Series. Treated Engineered Strand substrate. Pre-primed and compatible with all LP SmartSide siding systems.



Length	16 ft (4,877 mm)
Available Widths	1.50 in. · 2.50 in. · 3.50 in. · 5.50 in. · 7.21 in. · 9.21 in. · 11.21 in.
Nominal Thickness	0.910 in. (23 mm)
Substrate	Treated Engineered Strand
Texture	Deep cedar wood-grain
Fastener	Min 8d hot-dipped galvanized nail; 0.113 in. shank, 0.270 in. head; min 1 in. framing penetration
Butt Joint Gap	Min 3/16 in. — seal with ASTM C920 Class 25 sealant
Finish	Factory pre-primed; field paint required within 180 days

Certifications & Testing Standards

LP® SmartSide® Engineered Wood Siding meets or exceeds the following Canadian and international performance standards.

- ICC-ES ESR-1301 (performance standard ICC-ES AC321) — International Code Council Evaluation Service
- CCNC 11826 — Canadian Construction Materials Centre
- APA Recognition PR-N124 — APA – The Engineered Wood Association
- HUD Recognition HUD-MR-1318 — U.S. Department of Housing and Urban Development
- WUI Category 8140 — Wildland Urban Interface compliant
- SFI-00003 Certified — Sustainable Forestry Initiative fiber sourcing and forest management
- No added urea-formaldehyde — qualifies for LEED IEQ 4.4 credit
- SmartGuard® zinc borate process — factory-applied termite and fungal decay resistance tested to the core
- 50-Year Limited Warranty — Substrate (prorated after Year 5; first 5 years 100% material and labour)
- Hail Damage Limited Warranty — covers cracks and chips from hail up to 1.75 in. diameter
- Warranty transferable to one subsequent owner (original purchaser + original owner + one next owner)

Installation Guide

- 1 Comply with all applicable local and national building codes. LP SmartSide installation specifications have achieved code recognition under ICC-ES ESR-1301 (performance standard ICC-ES AC321), APA PR-N124, HUD-MR-1318, and CCNC 11826.
- 2 CLEARANCES: Maintain minimum 6 in. (152 mm) between siding/trim and finished grade. Maintain minimum 1 in. (25 mm) clearance above any surface where water may collect (porches, patios, walks). Maintain minimum 1 in. (25 mm) clearance at roof lines. Siding and trim must NEVER contact masonry, concrete, brick, stone, stucco, or mortar.
- 3 SUBSTRATE: Install framing at 19% moisture content or less. Do NOT install over green or rain-soaked framing. Install a breathable water-resistive barrier (house wrap) behind all siding and trim per applicable building code. Properly integrate all flashing with the WRB to prevent moisture intrusion.
- 4 MASONRY & CONCRETE WALLS: When installing over masonry or concrete, fur out the wall with framing at 16 in. O.C. of adequate thickness, leaving the cavity open at top and bottom for convective ventilation.
- 5 WET CELLULOSE INSULATION: Wet blown cellulose insulation must not be in direct contact with the siding and must dry for a minimum of 24 hours before siding is applied.
- 6 STUD SPACING: 38-Series — maximum 16 in. (406 mm) O.C. 76-Series — maximum 24 in. (610 mm) O.C. With alternate fastening over APA-rated sheathing panels (minimum 7/16 Category, DOC PS 2), 38-Series 6 in. and 8 in. widths may also be installed at 24 in. O.C.
- 7 NAILING — LAP SIDING: Both series require minimum 1-1/2 in. penetration into structural framing. 76-Series: minimum 8d hot-dipped galvanized or stainless steel nail (0.113 in. shank, 0.297 in. head); maximum 12 in. O.C. 38-Series: minimum 6d hot-dipped galvanized nail (0.091 in. shank, 0.200 in. head); maximum 12 in. O.C. Place nails minimum 3/8 in. from board ends and minimum 3/4 in. from top edge. Nail from the center outward, or from one end to the other — NEVER from both ends toward the middle. Fasteners below window sills must be spaced maximum 8 in. O.C. All exposed face nails must be caulked and sealed to prevent moisture intrusion. NO STAPLES.
- 8 NAILING — TRIM & FASCIA: Minimum 8d hot-dipped galvanized or stainless steel nail (0.113 in. shank, 0.270 in. head); minimum 1 in. penetration into structural framing or sheathing + framing. Place nails minimum 3/8 in. from ends and edges. Two nails at both ends of each board; maximum 24 in. O.C. along length, OR alternating edges at maximum 12 in. O.C. Number of nails per cross-section: less than 7 in. wide = 2 nails; 7-12 in. = 3 nails; greater than 12 in. = 4 nails. For edge nailing, ALL nail holes must be pre-drilled — do not edge nail without pre-drilling.
- 9 INSULATED SHEATHING: Rigid foam up to 1 in. thick — nail directly through foam; increase nail length to ensure minimum 1-1/2 in. penetration into framing. Rigid foam greater than 1 in. thick — install minimum 1-1/2 in. x 3-1/2 in. vertical strapping over foam, fastened to framing at maximum 16 in. O.C. with minimum 1-1/2 in. nail penetration into framing.
- 10 ALTERNATE FASTENING — SIP ASSEMBLIES: Requires minimum 7/16 Category APA-rated wood structural panels (DOC PS 2). 38-Series: minimum #8 hot-dipped galvanized tapered-head wood screw (0.270 in. head) at maximum 12 in. O.C., or 6d ring-shank nail (0.091 in. shank, 0.200 in. head) at maximum 8 in. O.C. 76-Series: minimum #8 hot-dipped galvanized tapered-head wood screw (0.270 in. head) at maximum 16 in. O.C.
- 11 ALTERNATE FASTENING — ICF ASSEMBLIES: Minimum #8 hot-dipped galvanized tapered-head self-drilling screw (0.270 in. head). Minimum withdrawal value 50 lbs at maximum 12 in. O.C., or 31 lbs at maximum 6 in. O.C. Screw must penetrate minimum 3/8 in. beyond the thickness of the nailing flange.
- 12 ALTERNATE FASTENING — STEEL STUD FRAMING: Minimum #8 hot-dipped galvanized tapered-head self-drilling screw (0.270 in. head); minimum steel thickness 0.032 in. (20 gauge); minimum withdrawal value 50 lbs. Minimum 5 threads must extend beyond combined thickness of siding and steel. 38-Series max 16 in. O.C.; 76-Series max 24 in. O.C.
- 13 LAP & JOINTS: Overlap successive courses minimum 1 in. Butt joints must occur over studs; stagger joints across successive courses. Leave minimum 3/16 in. gap at all butt joints. Joint treatment — choose one: (1) seal with ASTM C920 Class 25 sealant; (2) install joint moulding (add moulding web thickness to the gap); or (3) if siding is prefinished by an approved LP prefinisher and backed with minimum 4 in. wide flashing with factory-finished ends, no sealant or moulding is required.
- 14 TRIM BUTT JOINTS: Leave minimum 3/16 in. gap; seal with ASTM C920 Class 25 sealant. Install 4 nails (2 on each side of joint). Do NOT miter corner joints of fascia, band boards, or corner trim.
- 15 FASCIA: Install a non-corrosive drip-edge at the bottom of roofing where it meets the fascia. 190-Series MUST have a solid wood sub-fascia. 440-Series or larger may be installed as fascia without sub-fascia only when BOTH conditions are met: (1) trim width is greater than 5 in., AND (2) rafter/truss spacing does not exceed 24 in. O.C. LP SmartSide trim and fascia are NOT designed for structural applications — do not use as structural members, trellis, railing, fencing, decking, or sills.
- 16 TRIM — EXPOSED OVERHANGS: When trim or fascia extends beyond the protection of the roof, cap the top of the exposed trim with metal coping integrated with the roofing system.
- 17 ADJOINING MATERIALS — VINYL SIDING: Install Z-flashing with minimum 4 in. upper leg between horizontal trim and J-channel. Do NOT caulk between trim and J-channel. STUCCO/BRICK/STONE: Maintain minimum 3/8 in. separation; seal with high-quality sealant (backer rod may be required per the sealant manufacturer's instructions). Install sloped Z-flashing over all horizontal trim. All flashing materials must have a service life of 50 years or greater; minimum 4 in. upper leg on all flashing.
- 18 FLASHING: Install kick-out flashing at all roof-wall intersections. Step flashing minimum 4 in. upper leg. Flash and shim all window and door openings so trim sits on a level wall plane; leave 3/16 in. gap between siding and window/door trim and seal.
- 19 FINISHING: Apply finish coat of 100% acrylic latex exterior paint within 180 days of installation (semi-gloss or satin finish recommended). Oil or alkyd paints are also acceptable. DO NOT use semi-transparent or transparent stains, shake/shingle paints, or vinyl-based resins (vinyl acetate, PVA, or vinyl acetate/acrylic copolymer). Prime and paint ALL exposed cut edges in the field.
- 20 STORAGE & HANDLING: Store flat on a well-supported, flat, well-drained surface off the ground. Cover with a waterproof covering and protect from direct weather exposure. Keep dry — do NOT install LP SmartSide wet.
- 21 WARRANTY CLAIMS: Contact LP Building Products at 1-800-450-6106 / LP Corporation, 414 Union St., Nashville, TN 37219.



MITTEN

Ready to order?

Submit your spec list and we'll respond with pricing and availability - usually within one business day.

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