PRODUCT OVERVIEW

The LP WeatherLogic™ panel is a water-resistive overlay permanently bonded to an LP engineered wood structural panel. Edges are sealed to reduce water intrusion into the panel. Seams between panels are sealed with LP WeatherLogic Seam & Flashing Tape, a pressure-sensitive acrylic-based tape specially formulated to create a powerful water-resistive air barrier for the structure.

LP engineered wood panels are dimensionally stable with consistent density and thickness that form the foundation of a strong building envelope.

The LP WeatherLogic system has been rigorously tested and passes widely recognized ASTM tests for strength, durability and water/air barriers. The product is covered by APA product report PR-N138.
### TESTING AND CERTIFICATIONS

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<th>Property</th>
<th>Reference Test</th>
<th>Test Results</th>
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<tr>
<td>Performance category</td>
<td>PS 2</td>
<td>7/16, 15/32</td>
</tr>
<tr>
<td>Water-vapor transmission</td>
<td>ASTMA E96 – Method B</td>
<td>5.35 perms</td>
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<td>Air barrier assembly test</td>
<td>ASTM E2357</td>
<td>Pass, 0.049 L/(s-m2) at 75 Pa</td>
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<tr>
<td>Tape performance</td>
<td>AAMA 711-13</td>
<td>Approved</td>
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<tr>
<td>Water resistance</td>
<td>ASTM D2247</td>
<td>Pass</td>
</tr>
<tr>
<td>Water penetration</td>
<td>ASTM E331</td>
<td>Pass</td>
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STORAGE AND HANDLING

- Store LP WeatherLogic™ panels off the ground well supported, on a flat surface, under wrap or under a roof.

- Do not stack higher than 4 units. Space unit stacks a minimum of 6” on all sides.

- LP WeatherLogic panels are packaged with a weather-resistant unit cover to provide protection on the jobsite prior to installation. Replace cover over unused portion of panels. Keep panels clean and dry. Inspect prior to application.

- Store LP WeatherLogic Seam & Flashing Tape indoors, preferably in a conditioned environment to avoid temperature extremes.
INSTALLATION REQUIREMENTS

• Install LP WeatherLogic™ panels with the weather-resistant barrier facing outward.

• Install LP WeatherLogic Seam & Flashing Tape only when outside temperatures are greater than 14° F (-10° C). Wipe away any dirt or dust, and ensure the barrier surface is clean, dry and free from frost before taping.

• The LP WeatherLogic system must be covered with exterior cladding within 6 months following initial panel installation. Prior to cladding, inspect all taped seams and flashing to ensure proper application throughout. Repair or replace any misapplied tape prior to cladding.

PANEL INSTALLATION

• Panels may be installed vertically or horizontally.

• Space all panel edges 1/8”.

• Attach panels to wall studs in accordance with project specifications. In lieu of project specifications, follow typical residential wall sheathing nailing:
  - Use minimum 6d common nails.
  - Space nails 6” oc along panel edges and 12” oc in the field of the panel.
  - Place nails 3/8” from all panel edges.

• Be careful to not overdrive nails. If a nail is overdriven, cover with a 4” length of tape centered over the hole.

• Minor chips may be repaired by covering with a strip of LP WeatherLogic tape, using the squeegee to securely apply.
TAPE SIZES

LP WeatherLogic™ tape rolls are available in 3-3/4” and 6” widths. The 6” width is recommended for window flashing, especially when wider trim products are used. The 6” width is also preferred for inside and outside corners. A squeegee is enclosed in every box to help firmly adhere the tape.

SEAM TAPE

- Use only LP WeatherLogic Seam & Flashing Tape to cover the seams between adjacent panel edges. Tape may be either the 3-3/4” or 6” wide tape.
- Clean all debris and foreign substances from protective barrier surface and fully dry surface immediately prior to taping.
- Center the tape over the panel seam. The tape may be off-center up to 1/2”.
- Install tape working from bottom of wall toward top, overlapping from above to create a shingle effect.

NOTE: When possible, vertical seams located directly above window and door openings should be taped after installation so that the bottom end of the seam tape overlaps on top of the head flashing.
SEAM TAPE (VERTICAL & HORIZONTAL)

- Where horizontal and vertical seams intersect, lap tape as follows:
  - Vertical seam crosses horizontal seam: vertical tape overlaps horizontal tape or shingle tape as shown.
  - Vertical seam terminates at horizontal seam: vertical tape overlaps horizontal tape or horizontal tape overlaps vertical tape.
  - Horizontal seam terminates at vertical seam (or): vertical tape overlaps horizontal tape.
  - For all terminating laps, the end of the terminating tape should extend halfway under 3-3/4” tape or 2” under the 6” tape.

- Use one continuous piece of tape to cover seams where possible. If needed to complete a straight run, overlap ends of tape at least 2”.
  - Vertical seams: bottom end of tape above overlaps top end of tape below.
  - Horizontal seams: tape may lap left-to-right or right-to-left.

vertical tape overlaps horizontal tape

horizontal tape overlaps vertical tape
SEAM TAPE (CORNERS)

- Outside corners are installed by first fully adhering half of tape width to one side and then tightly wrapping corner to adhere tape to adjacent side.

- Inside corners are installed by using the included squeegee to tightly push and crease center of tape fully into corner.

- Place tape carefully. If necessary, the tape may be peeled back once to reposition.

- The tape is pressure sensitive. As each piece of tape is placed, use included squeegee to firmly smooth tape to adhere. Remove wrinkles and bubbles.

- If an edge of tape does not seal for any reason, peel off and replace with a fresh piece of tape.
FLASHING TAPE

LP WeatherLogic™ Seam & Flashing Tape can be used to flash window and door openings, straight material transitions, and straight-sided penetrations that have flanges. Other AAMA 711-13 approved flashing tapes may also be used.

WINDOW INSTALLATION

Windows with nailing flanges:

- Install pan flashing:
  - Cut tape at least 12” longer than the length of the sill to wrap a minimum of 6” up the jambs.
  - Center length of the tape on the sill and align so that approximately 2” of the tape can be folded onto the face of panel. Fit the tape tightly into the corners using the squeegee.
  - At the corners of the sill and jambs, carefully cut the overhanging portion of tape up to the framing. DO NOT overcut. Fold the overhanging tape onto the faces of the LP WeatherLogic panel.

- Install the window in accordance with the window manufacturer’s instructions.
WINDOW INSTALLATION

Flash window:

- Tape jamb flanges of the window: Apply tape to extend approximately 1” past the head and sill flanges. Do NOT extend the tape more than 1” above the head flange. The tape can extend more than 1” below the sill flange.

- Tape head flange of the window: Apply tape to overlap by at least 2” the top ends of the jamb flange tape.

- If a drip edge is installed at the head of the window, apply a piece of tape to extend 2” past each end of the drip edge. The tape should extend at least 2” above the drip edge on to the panel face.
DOOR INSTALLATION

- Apply tape to the jambs: Cut tape to fit the vertical length of the jamb and align so that approximately 2” of the tape can be folded onto the face of panel.

- Install the door in accordance with the door manufacturer’s instructions.

- If molding is installed, seal molding to face of panel with an approved sealant.

- If a drip edge is installed at the head of the door, apply a piece of tape to extend 2” past each end of the drip edge. The tape should extend at least 2” above the drip edge on to the panel face.
WALL PENETRATIONS

Penetrations with flanges (and straight sides):

- **Bottom**: Apply tape to extend approximately 1” past both ends of the bottom flange.
- **Sides**: Apply tape to extend 1” past the top flange and at least 1” past the bottom flange tape. Do NOT extend the tape more than 1” above the top flange. The tape can extend more than 1” below the bottom flange tape.
- **Top**: Apply tape to extend at least 2” past both pieces of side flange tape.
- For shapes other than rectangular, repeat the step for “Sides” working from bottom to top of the penetration.

Penetrations without flanges (or with curved sides):

- Option 1: Use an approved flashing boot over the penetration. Secure the boot in accordance with the boot manufacturer’s instructions and tape the boot to the panel according to “Penetrations with Flanges” instructions.
- Option 2: Use a flexible (“stretch”) adhesive-backed flashing tape approved to AAMA 711-13 and/or ICC-ES Acceptance Criteria for Flexible Flashing Materials (AC148). Install in accordance with the tape manufacturer’s instructions.
FOUNDATION TRANSITION

• Provide code-required clearance from the ground to the bottom edge of panel.

• When the panel is flush with the face of the foundation, provide a 1/2" gap between the bottom edge of the panel and the foundation.

• Attach approved drip edge.

• Apply tape to seal the top of the drip edge. The tape should extend at least 2" onto the panel face and cover all fasteners used to attach the drip edge. If the fasteners are placed so that the standard 3-3/4" tape cannot cover and extend 2" onto the panel, use the 6" tape or shingle multiple rows of 3-3/4" tape so that a layer above overlaps the layer below.
STRUCTURAL DEFENSE THAT MAKES SENSE™

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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.