

LAMA HIGH-TEMP

Installation Instructions

1. Product Description

This self-adhered waterproofing underlayment is engineered for high-temperature roofing applications, offering superior protection against water infiltration caused by ice dams, wind-driven rain, and solar heat exposure. It consists of a high-performance rubberized asphalt adhesive laminated to a reinforced fiberglass or polymer carrier, and protected by a removable release liner. The membrane is designed for use under metal roofs, tile systems, or high-slope asphalt shingle roofs where elevated in-service temperatures are expected.

2. Surface Preparation

- The roof deck must be clean, dry, and free of dust, dirt, oils, and other debris.
- Decking materials shall be minimum $\frac{3}{8}$ inch (9.5 mm) exterior-grade plywood, OSB, or other approved substrates.
- Remove all loose nails and sharp protrusions prior to underlayment application.
- Prime concrete or masonry surfaces with an asphalt primer meeting ASTM D41 if required.

3. Application Conditions

- Minimum application temperature: 40°F (4°C) and rising.
- For cold weather installations (below 40°F), use a manufacturer-approved primer to promote adhesion, or warm the rolls prior to installation.

4. Application Instructions

4.1. General Guidelines

- Start at the eaves and work up the slope toward the ridge.
- Always install membranes horizontally (parallel to the eaves).
- Membrane must be fully adhered to the deck without bridging or wrinkles.

4.2. Membrane Installation

- Begin by aligning the roll at the lower edge of the roof (eaves) with sufficient overhang to extend over the fascia board.
- Remove the release liner while pressing the membrane into place, maintaining tension to avoid wrinkles.
- Apply membrane in straight, even courses, avoiding fish mouths and bridging over uneven surfaces.
- Use a weighted roller or heavy hand pressure to ensure full contact and avoid air pockets.

4.3. Side Laps and End Laps

- Side laps (horizontal overlaps): Minimum 3 inches (75 mm), ensure release film on side lap is removed to activate Bitubond technology.
- End laps (vertical overlaps): Minimum 6 inches (150 mm).
- Ensure laps are firmly rolled to secure adhesion.

5. Roof Coverage Areas

- Install membrane:
 - Along all eaves (typically up to 24 inches inside the exterior wall line, or more in cold climates).
 - At all valleys, ridges, hips, and gable ends.
 - Around roof penetrations such as chimneys, vents, skylights, and dormers.
 - Over the entire roof deck when full-deck protection is specified.
 - Full-deck coverage may be used for maximum protection or as required under metal or tile roofs.

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6. Fastening and Flashing

- No mechanical fasteners are used for the membrane itself.
- Roofing nails or fasteners for the final roof covering must penetrate through the membrane into the roof deck.
- Properly seal any fastener penetrations through the underlayment with manufacturer-approved sealant if required.

7. Additional Flashing Details

- In valleys: center a full-width membrane sheet over the valley line.
- At ridges: overlap membrane courses from both sides of the slope, ensuring complete coverage.

8. Final Roof Cover Installation

- Complete final roof covering installation (shingles, tiles, metal panels, etc.) according to manufacturer's approved system instructions.
- Ensure compatibility of the roofing materials with the underlayment.
- For metal applications, use slip sheets if recommended by the panel manufacturer to prevent material interaction.

9. Storage and Handling

- Store rolls upright on pallets.
- Protect from direct sunlight, moisture, and physical damage.
- Do not store at temperatures exceeding 120°F (49°C) for extended periods.

10. Warnings

- Do not leave exposed for more than 90 days without final roofing cover (unless otherwise specified).
- Avoid installing over wet, frozen, or contaminated surfaces.
- Use caution when walking on the membrane — it may be slippery, especially when wet or dusty.