



TRI-BUILT® SYNTHETIC UNDERLAYMENT INSTALLATION INSTRUCTIONS

TRI-BUILT® Synthetic Underlayment is a water and vapor barrier and therefore must be installed above a properly ventilated space(s). Follow all building codes applicable to your geographical region and structure type as it is considered a vapor barrier.

DECK PREP: TRI-BUILT® Synthetic Underlayment should be applied to a properly prepared dry deck that is smooth, clean and free from any depressions, projections, or protruding nails. Acceptable roof deck materials are minimum 3/8 inch plywood, minimum 7/16 inch OSB, or minimum 6 inch roof deck boards. Roof decks should be structurally sound and meet or exceed minimum requirements of the roof deck manufacturer and local building codes.

USE: TRI-BUILT® Synthetic Underlayment must be covered by primary roofing within 90 days of application. TRI-BUILT® Synthetic Underlayment is designed for use under asphalt shingles, synthetic shingles, residential metal roofing and cedar shakes.

APPLICATION: Slopes from 4:12 and higher: TRI-BUILT® Synthetic Underlayment is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4 inches and vertical laps should be 6 inches and anchored approximately 1 inch in from the edge. End laps in a succeeding course should be located at least 6 feet from laps in the preceding course.

Slopes 2:12 to less than 4:12: Cover the deck with two layers of TRI-BUILT® Synthetic Underlayment. Begin by fastening a 22 inch wide strip of TRI-BUILT® Synthetic Underlayment along the eaves with the minimal fasteners need to hold the course in place. Place a full-width sheet over the 22 inch course and overlap each successive course by 50% plus 1 inch. Additional fasteners may be required in high-wind regions per local building codes.

Vertical lap requirements are the same as 4:12 and higher slopes. Slopes less than 2:12: TRI-BUILT® Synthetic Underlayment is not recommended for use.

FASTENERS: Provided there is no rain or high winds, TRI-BUILT® Synthetic Underlayment can be anchored with staples, cap staples or corrosive resistant 3/8 inch head X 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable) when covered with primary roofing on the same day. The use of every other anchoring location printed on the product is also acceptable.

ANCHORING: All anchoring nails must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. **EXTENDED EXPOSURE:** If TRI-BUILT® Synthetic Underlayment product will not be covered on the same day and up to 90 days, then product must be attached to the structural roof deck using a minimum 1 inch diameter plastic or metal cap roofing nails (ring shank preferred but smooth leg acceptable). Miami-Dade approved tin tags or metal caps are also acceptable. It is recommended for best performance to use with the rough edge

facing up. For extended exposure, it is always recommended to anchor on every printed position on the facer.

TRI-BUILT® Synthetic Underlayment is not designed for indefinite outdoor exposure. For extended exposure conditions where driving rain or strong winds are expected, it is recommended to take additional precautions such as doubling the lap widths. Alternately or in addition to, a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.

LIMITATIONS AND CONDITIONS OF USE IN ACCORDANCE WITH FBC REQUIREMENTS

TRI-BUILT® must be installed in accordance with the published installation instructions & in accordance with requirement of FBC section 1507 and 1518 applicable to the roof covering being installed.

- TRI-BUILT® shall be attached in accordance with the FBC and published installation instructions, whichever is more restrictive.
- TRI-BUILT® is installed starting at eave, with the length of the roll parallel to the eave with the printed side facing up.
- All side laps shall be installed to shed water from deck.
- End Laps shall be staggered between courses in accordance installation Instructions
- Installation is limited to use with approved mechanically attached roof covering systems.
- Roof systems shall not involve use of hot asphalt or coal-tar pitch.
- The roof deck shall be constructed of closely fitted, solid sheathing for new or existing construction. Sheathing shall be installed in accordance with FBC requirements. Roof decks shall have no more than 1/8" gap at abutting joints
- Ventilation must be provided in accordance with the applicable Code. There are no Code requirements to evaluate vapor permeability of the underlayment.
- The roof covering may be installed immediately following the underlayment application.
- Underlayment shall be covered within the time designated in the installation instruction not to exceed 30 days for within HVHZ and 90 days for outside HVHZ.

CAUTION - READ GOOD SAFETY PRACTICES BELOW

Good safety practices should be followed on steep slope roofs, such as use of tie-offs, toe boards, ladders and/or safety ropes and personal body harnesses. Follow OSHA guidelines. Slip resistance may vary with surface conditions from debris that accumulates, weather, footwear and roof pitch. Failure to use proper safety gear can result in serious injury. Depending on roof pitch and surface conditions, blocking may be required to support materials on the roof and is good safety practice.

Remember to seal the nail holes after removing blocking.