



TRI-BUILT® ECO SYNTHETIC UNDERLAYMENT INSTALLATION INSTRUCTIONS

TRI-BUILT® Eco Synthetic Underlayment is an air, 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: Underlayment should be applied to a properly prepared dry deck that is smooth, clean, and free from any depressions, projections, or protruding nails.

USE: TRI-BUILT® Eco Synthetic must be covered by primary roofing within 60 days of application. TRI-BUILT® Eco Synthetic is designed for use under asphalt or composite shingles.

APPLICATION: Slopes 2:12 to less than 4:12: Cover the deck with two layers of TRI-BUILT® Eco Synthetic. Begin by fastening a 22 inch wide strip of TRI-BUILT® Eco Synthetic along the eaves with the minimum fasteners needed 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® Eco Synthetic is not recommended for use.

FASTENERS: For same day coverage with primary roofing TRI-BUILT® Eco Synthetic can be anchored with corrosive resistant 3/8 inch head x 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable). If TRI-BUILT® Eco Synthetic will be left exposed for up to 60 days, the product must be anchored with 1 inch plastic or metal cap smooth or ring shank roofing nails and anchored in all locations printed on the facer.

DO NOT USE STAPLES: The use of staples to penetrate TRI-BUILT® Eco Synthetic will void warranty.

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® Eco Synthetic product will be exposed longer than 24 hours and up to 60 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). Tin tags or metal caps are also acceptable, and 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® Eco Synthetic 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. Alternatively 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

As with any roofing product, always follow safe roofing codes & practices (OSHA) and always use and wear fall protection devices when working on roofs. Use caution as slip resistance may vary with surface conditions, weather and/or footwear. 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.