TRI-BUILT® SYNTHETIC UNDERLAYMENT

TRI-BUILT® Synthetic Underlayment is designed to replace traditional felt paper for sloped roof applications. With its 4-layer construction, polypropylene woven core, and anti-slip coating, it's engineered for maximum roofer comfort and productivity. Lightweight 10 square rolls and a slip-resistant surface make it easy to handle and fast to install.

Features and Benefits:

- Meets ASTM D226, D4869 and D8257 requirements
- Durable, slip-resistant walking surface
- 180 days UV exposure
- Lighter and stronger than traditional 30# asphalt felt
- Easy to install with printed lap lines and fastening points
- 48" wide lightweight rolls
- 100% water and air resistant
- Synthetic construction is inert to mold growth, rot, and dry out
- No buckling, warping, or cracking
- Temperature range -40°F to 240°F
- ICC-ES AC 188 approved
- ASTM E108 Class A Fire Resistance
- CAN/CSA A220 approved
- Texas Department of Insurance Listed
- Florida Building Code Approved (FL#20767)
- Miami-Dade Product Approved (NOA No. 24-0103.08)

Product Specifications:

Length per Roll	250′ / 76.2 m
Width per Roll	48″ / 1.22 m
Nominal Weight (per roll)	22 lbs
Nominal Thickness	7 mil
Roll Size	10 sq / 93 m^2
Rolls per Pallet	56
Pallet Weight	1,300 lbs

Applicable Standards and Codes:

- Thickness / ASTM D1777
- Tensile Strength / ASTM D5035
- Elongation / ASTM D5035
- Tear Resistance / ASTM D4533
- Coefficient of Friction / ASTM D1894
- Fire Rating / ASTM E108
- Moisture Vapor Permeance / ASTM E96
- Pliability / ASTM D226

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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: All protrusions from the deck area must be removed and ensure the deck has no voids, damaged or unsupported areas. Deck surface should be free of debris, dry and moisture-free.

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: For slopes from 2:12 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. For low slope applications, it is recommended to overlap 50% plus 1 inch. For complete definition of low slope and guidelines consult authorities having jurisdiction. TRI-BUILT Synthetic Underlayment is not recommended for slopes less than 2:12. The use of roofing hammers, pneumatic air or gas driven fastener tools are acceptable. The use of straight edge cutting knives is recommended.

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 will be exposed longer than 24 hours and up to 90 days, 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, a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.

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.