



TRI-BUILT® ECO SYNTHETIC UNDERLAYMENT

PRODUCT DESCRIPTION:

TRI-BUILT® ECO Synthetic Underlayment is designed to replace traditional felt paper for sloped roof applications. TRI-BUILT ECO Synthetic Underlayment has been engineered for maximum roofer comfort and productivity. With its lightweight 10 square rolls and slip resistant surface, TRI-BUILT ECO Synthetic Underlayment is easy to handle and fast to install.

Ask for it today!

FEATURES AND BENEFITS:

- Meets ASTM D226 Type II, D4869 Type IV and ASTM D8257
- Durable, slip-resistant walking surface
- 90 days UV exposure
- Easy to install – 42" wide lightweight rolls
- Synthetic construction is inert to mold growth
- Advanced backside non-slip coating
- CAN/CSA A123.3
- PRI ER 1378E08
- ASTM E108/UL790 Class A Fire Resistance (when installed under asphalt shingles)
- Texas Department of Insurance Listed
- Florida Building Code Approved
- Miami-Dade Product Approved



PRODUCT SPECIFICATIONS

Length per Roll:	286' / 87 m
Width per Roll:	42" / 1.1 m
Nominal Weight per Roll:	20 lbs / 9.1 kg*
Roll Size:	10 sq / 93 m ²
Rolls per Pallet:	67
Pallet Weight:	1,392 lbs / 632 kg

APPLICABLE STANDARDS AND CODES

Meets or exceeds the following test standards

TEST & STANDARD	TEST METHOD
Tensile Strength	ASTM D5035
Pliability	ASTM D146
Fastener Pull-Through Resistance	ASTM D8257
Unrolling	ASTM D226
Liquid Water Transmission	ASTM D4869
Tearing Strength	ASTM D4533
Linear Dimensional Change	ASTM D1204
Pliability	CSA A 123.3
Moisture Vapor Permeance	ASTM E96



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INSTALLATION INSTRUCTIONS:

TRI-BUILT® ECO Synthetic Underlayment is a water, air 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 Underlayment must be covered by primary roofing within 90 days of application. TRI-BUILT ECO Synthetic Underlayment is designed for use under asphalt or composite shingles.

APPLICATION: Slopes from 4:12 and higher: TRI-BUILT® ECO 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 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 90 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 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). 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.

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.

For use under asphalt or composite shingles.

TRI-BUILT® ECO Synthetic Underlayment is a highly engineered, coated woven protective layer for sloped roofs. TRI-BUILT ECO Synthetic Underlayment has a high strength design and durable nonwoven walking surface that delivers a considerable improvement over felt paper. The durable nonwoven walking surface has clearly marked nail guides and can be chalked just like felt paper.

Gain an edge in productivity and help increase profits. TRI-BUILT ECO Synthetic Underlayment is lightweight, 42 inch width and 286 foot run length allows for fewer laps, cuts, and easier roll handling compared to felt. This means you can do more jobs in less time, use less labor, and inventory fewer rolls.

It offers exceptional wind resistance and durability through heavy roof traffic and adverse weather conditions. TRI-BUILT ECO Synthetic Underlayment can save you time and money with less material damage and fewer post-install repairs. Stay on track, take on more jobs, and sleep assured knowing your TRI-BUILT ECO Synthetic Underlayment projects will remain intact.

Unlike traditional asphalt-saturated felts, TRI-BUILT ECO Synthetic Underlayment can be used in extremely low temperatures without becoming stiff and difficult to unroll. It also does not dry out, crack, or leach oils in the heat like felt. TRI-BUILT ECO Synthetic Underlayment is 100% synthetic and will not absorb water or wrinkle like felt. It lays flat and does not support mold growth.

TRI-BUILT ECO Synthetic Underlayment can also be used in conjunction with TRI-BUILT self-adhered underlayments for ice damming protection along the eaves and in the valley areas.

TRI-BUILT ECO Synthetic Underlayment will continue to protect your primary roofing long after felt.

* Includes core weight.

** TRI-BUILT Synthetic Underlayment is manufactured in accordance with national standards which allow for non-critical variances in weights and measurements. Test data is based on an average taken over several production runs and should not be considered or interpreted as maximum or minimum values. Values are typical data and not limiting specifications. All values ± 10%.