



TRI-BUILT® SYNTHETIC UNDERLAYMENT

PRODUCT DESCRIPTION:

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

FEATURES AND BENEFITS:

- Meets ASTM D226 Types I & II, D4869 Types II & IV and ASTM D8257
- Durable, slip-resistant walking surface
- 90 days UV exposure
- Up to 12 times stronger than #15 felt*
- 6 squares more per roll than #15 felt**
- Easy to install – 42" wide lightweight rolls
- Synthetic construction is inert to mold growth
- Lays flat and does not absorb water and wrinkle
- Advanced backside non-slip coating
- Low temperature flexibility
- CAN/CSA A123.3
- CCRR-1067
- ASTM E108/UL790 Class A Fire Resistance (when installed under asphalt shingles)
- Texas Department of Insurance Listed
- Florida Building Code Approved (FL22259-R2)
- Miami-Dade Product Approved



PRODUCT SPECIFICATIONS

Length per Roll:	286' / 87 m
Width per Roll:	42" / 1.1 m
Nominal Weight per Roll:	23.5 lbs / 10.6 kg***
Roll Size:	10 sq / 93 m ²
Rolls per Pallet:	67
Pallet Weight:	1,626 lbs / 738 kg

APPLICABLE STANDARDS AND CODES

Meets or exceeds the following test standards

TEST & STANDARD	TEST METHOD
Breaking Strength	ASTM D146
Pliability	ASTM D146
Loss of Heating	ASTM D146
Unrolling	ASTM D226
Liquid Water Transmission	ASTM D4869
Tear Resistance	ASTM D4073
Dimensional Stability	ASTM F1087
Pliability	CSA A 123.3
Moisture Vapor Permeance	ASTM E96
Burst Strength	ASTM D751



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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 product 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 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). 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.

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.

For use under Asphalt Shingles, Synthetic Shingles, Residential Metal Roofing and Cedar Shakes

TRI-BUILT Synthetic Underlayment is a highly engineered, coated woven protective layer for sloped roofs. TRI-BUILT 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 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.

TRI-BUILT Synthetic Underlayment is up to 12 times stronger than #15 felt. It offers exceptional wind resistance and durability through heavy roof traffic and adverse weather conditions. TRI-BUILT 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 Synthetic Underlayment projects will remain intact.

Unlike traditional asphalt-saturated felts, TRI-BUILT 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 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 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 Synthetic Underlayment will continue to protect your primary roofing long after felt.

* Test data is based on average of samples tested in accordance with ASTM D2261.

** Coverage per roll is 9.09 sq with a 4" horizontal overlap.

*** 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%.