



## TRIBUILT® MAX PREMIUM SYNTHETIC UNDERLAYMENT

**TRIBUILT® MAX Premium Synthetic Underlayment** is designed to provide roof deck protection under premium asphalt shingles, metal, mechanically attached tile, and slate. Engineered to be durable, safe, and easy to handle TRI-BUILT® MAX is the product of choice on your next roofing job.

TRIBUILT® MAX Synthetic Roof Underlayment is a highly engineered, mechanically attached coated woven synthetic roofing underlayment designed for sloped roofs. TRI-BUILT® MAX is a four-layer product, complete with a strong scrim that resists pulling around fasteners, two layers of water resistant coatings, and a durable gray nonwoven walking surface for a superior walking experience. The gray surface provides a cooler working surface, and can be exposed to UV for up to six months.

TRIBUILT® MAX rolls out flat, provides 33% more coverage per layer vs. felt, and comes in convenient 10 square rolls.

TRIBUILT® MAX offers exceptional wind resistance and durability through heavy roof traffic and adverse weather conditions. It can be used in extremely low temperatures without becoming stiff and difficult to unroll.



### BENEFITS

- Meets ASTM D226 Types I & II and D4869 Types II & IV
- Durable, slip-resistant walking surface
- 180 days UV exposure
- Designed to resist tears around fasteners
- 33% more coverage per lap vs. #30 felt
- Synthetic construction is inert to mold growth
- Lays flat and does not absorb water or wrinkle
- Low temperature flexibility
- Texas Department of Insurance Listed
- Florida Product Approval (HVHZ & Non-HVHZ)

Length per Roll:	250' / 76.2 m
Width per Roll:	48" / 122 cm
Nominal Weight per Roll:	40 lbs / 18.2 kg
Roll Size:	10 sq / 93 m <sup>2</sup>
Rolls per Pallet:	36
Pallet Weight:	1,495 lbs / 678 kg
Pallet per FTL:	28

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

TRIBUILT® Synthetic Roofing Underlayment is manufactured exclusively for Beacon Sales Acquisition, Inc. by Owens Corning®. Product claims should be directed to Owens Corning at 1-800-ROOFING.

## TECHINCAL DATA

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	ASTM A 123.3
Moisture Vapor Permeance	ASTM E96
Burst Strength	ASTM D751
Class A Fire <sup>^</sup>	ASTM E108

<sup>^</sup> When installed under asphalt shingles. <sup>\*\*\*</sup> Includes core weight.

### INSTALLATION INSTRUCTIONS:

TRI-BUILT® MAX Synthetic Underlayment is a water and vapor barrier (.06 perms) and therefore should be installed above a properly ventilated space(s). It is recommended to follow all building codes applicable to your geographical region and structure type.

**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® MAX Synthetic Underlayment must be covered by primary roofing within 180 days of application. TRI-BUILT® MAX Synthetic Underlayment is designed for use under all primary roofing types including asphalt, metal, tile, slate and cedar shake roofing.

**APPLICATION:** For slopes from 2:12 and higher: TRI-BUILT® MAX Synthetic Underlayment is to be laid out horizontally (parallel) to the eaves 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® MAX Synthetic Underlayment is not recommended for slopes less than 2:12. The use of a roofing hammer, hatchet hammer, pneumatic air or gas-driven fastener tools is acceptable. The use of a straight edge cutting knife is recommended.

**FASTENERS:** For same day coverage with primary roofing, TRI-BUILT® MAX Synthetic Underlayment can be anchored with corrosive resistant 3/8 inch head x 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable). The use of every other anchoring location printed on the product is also acceptable. **DO NOT USE STAPLES:** The use of staples to penetrate TRI-BUILT® MAX Synthetic Underlayment 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. Where seams and joints require sealant or adhesive, use a low solvent plastic roofing cement meeting ASTM D4586 Type 1, or Federal Spec SS-153 Type 1 such as TRI-BUILT® Roof X Tender® 100, TRI-BUILT® High-Performance Elastomeric Sealant, TRI-BUILT® Plastic Roof Cement or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.

**EXTENDED EXPOSURE:** If TRI-BUILT® MAX Synthetic Underlayment will be exposed longer than 1 day but less than 5 days, then it is recommended to anchor using corrosive resistant 3/8 inch head x 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable). For exposure more than 5 days and up to 180 days, TRI-BUILT® MAX Synthetic Underlayment must be anchored with 1 inch plastic, metal cap smooth or ring shank roofing nails. Miami-Dade approved 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. Note: TRI-BUILT® MAX 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.