TRI-BUILT® MATERIALS GROUP, LLC

SYNTHETIC MAX

PREMIUM SYNTHETIC ROOF UNDERLAYMENT

TRI-BUILT® SYNTHETIC MAX Installation Instructions:

TRI-BUILT® SYNTHETIC MAX is a premium synthetic roofing underlayment designed and manufactured to replace asphalt saturated felts in sloped roof system construction.

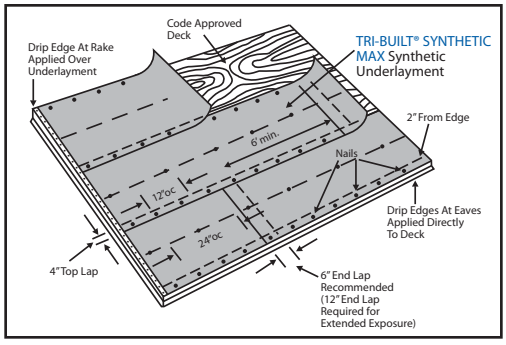
- **TRI-BUILT® SYNTHETIC MAX** is considered an air, vapor and water barrier and therefore must be installed above properly ventilated attic space(s).
- All applicable building codes in your geographic area and specific to the building structure type must be followed as the product is considered a vapor barrier.
- The roof deck must be clean of debris, solid, properly fastened and free of voids and/or damage.
- **TRI-BUILT® SYNTHETIC MAX** must be installed printed side up and unrolled parallel to the roof eave.
- The use of straight edge cutting knives is recommended.
- Plastic cap or metal cap nails must be used when being exposed longer than 5 days to secure **TRI-BUILT® SYNTHETIC MAX** properly. The plastic cap fasteners should be a minimum of 1" in length and have caps a minimum of 1" in diameter.
- Roofing nails are acceptable when installing **TRI-BUILT® SYNTHETIC MAX** under sloped installation of standing seam metal roofs.
- The plastic cap fastener spacing should be a minimum of 12" o.c. horizontally along the indicated fastener placement areas at the top and the bottom of the sheet, and at 24" o.c. in the center fastener placement locations on the sheet.
- If product is to be covered with asphalt shingles, stone coated metal roofing or sloped installation of standing seam metal panels within 5 days **TRI-BUILT® SYNTHETIC MAX** can be installed with corrosive resistant 3/8" head by 1" minimum length roofing nails (ring shank recommended).
- Top and bottom overlaps should be 4" minimum as indicated by the lay-up fastener lines printed on the sheet.
- End overlaps should be a minimum of 6" and fastened at 12 o.c., vertically along the overlaps at 2" in from the end of the top layer. For extended exposure periods, over 30 days, a minimum of 12" end overlap is required.
- The plastic cap nails should be driven flush to the surface of the **TRI-BUILT® SYNTHETIC MAX** without cutting into the sheet.
- Repair all damage to the **TRI-BUILT® SYNTHETIC MAX** before proceeding. For seams, joints or tears, repairs may be made using self-stick flashing tape or the equivalent. Asphalt adhesives may also be used to seal joints, flashings and laps.
- **TRI-BUILT® SYNTHETIC MAX** should be extended at least 12" past all hips and valleys.
- **TRI-BUILT® SYNTHETIC MAX** installed on less than 4:12 slopes should be applied in a double coverage method, (overlapping by the normal 4" application is acceptable). Fastening can be through both layers on less than 4:12 slopes.
- For extended exposure, or where driving rains and/or strong winds, double the lap widths as a minimum precaution. Alternatively, fold the overlay laps to form a "j - channel" configuration before nailing; using a compatible sealant between the laps, or using a peel and stick tape is highly recommended. For batten secured installations, do not install battens directly over any cap nails. If this occurs, remove cap nail, patch the hole, then install the cap nail outside the batten field and continue.
- Where seams and joints require a sealant or adhesive, use a high quality, low solvent , asbestos free, plastic roofing cement that meets ASTM D-4586 Type1 (Asbestos Free), Federal Spec SS-153 Type 1(Asbestos Free). Acceptable alternatives are butyl rubber, urethane, and EPDM based caulk or tape sealants.
- Follow the **ARMA** (Asphalt Roofing Manufacturers Association) recommendations for installing shingle underlayments and flashings for best roofing practices.
- Depending on roof pitch and surface condition, blocking may be required to support materials on the roof.
- **TRI-BUILT® SYNTHETIC MAX** is not designed for indefinite outdoor exposure. Finished roofing should be installed within 180 days.

CAUTIONS: SAFETY FIRST

As with any roofing product, always learn and follow safe roofing practices according to OSHA and local building code requirements and use and wear proper fall protection devices when working on roofs. Always use caution when walking on sloped roof decks and **TRI-BUILT® SYNTHETIC MAX** underlayment as slip resistance may vary with surface conditions, weather, footwear and roof pitch. Do not walk on unsecured **TRI-BUILT® SYNTHETIC MAX** or any other loose roofing material lying on sloped roof decks. Dust, dew, water or debris creates unsafe conditions on the roof. The presence of any foreign material may drastically change the coefficient of friction (traction) on **TRI-BUILT® SYNTHETIC MAX** or any other material on a sloped roof deck. Failure to always use proper safety equipment and footwear can result in serious injury or even death.

COMPLIANCE: CODES

- Performance characteristics meet or exceed ASTM D4869 – Type I, II, III and IV
- Performance characteristics meet or exceed ASTM D226 – Type I, II
- Tested in accordance with ICC-AC-207– Ultraviolet Exposure – 365 days
- AC-207 – Accelerated Ageing
- ASTM E108 – Fire Resistance – Passed
- ASTM D6757 – Inorganic Shingle Underlayment Standard
- Nail Sealability – ASTM D1970 – Passed
- UL Classified as a Prepared Roofing Accessory
- Meets requirements of ICC-AC-188
- Meets requirements of ICC-AC-48
- Limited Warranty – Lifetime



PHYSICAL DATA		
Roll Size	48" X 250'	48" X 100'
Material Per Roll	1,000 sq. ft.	400 sq. ft.
Squares Per Roll	10 squares	4 squares
Weight Per Roll	35 lbs	15 lbs
Roll Type	STANDARD ☐	SAMPLE ☐

Made in India

TRI-BUILT® Materials Group, LLC • PO Box 70 • Rutherford, NJ 07070 • 800-516-1485
visit us at **www.tribuiltmaterialsgroup.com**