



TRI-BUILT® SA HT SYNTHETIC

TRI-BUILT® SA HT Synthetic is a High-Temp Self Adhered Roof Protection - used under Metal, Tile, Slate, Shakes, and Asphalt Shingle Roofs.

FEATURES AND BENEFITS:

- **Surface:** Strong polypropylene (PP) surface with UV and weather resistive coatings that add water shedding redundancy in the roofing system while protecting the structure from damage. The surface top creates easy walkability.
- **All Temperature Performance:** -40° F to 260° F; all climates, under all roofing styles
- **Weather-Tight Seal:** Strong overlap System
- **100% Inorganic Surface:** Synthetic construction offers long term moisture protection — won't rot and is inert to mold growth
- **FBC Tile:** Mechanically attached tile approval
- **Tile Slippage Resistance:** Approved
- **Tile Foam Down:** Approved DuPont & Polyset
- **Bitumen Based:** Formulated for superior adhesion
- **Handling:** Easy-peel dual split-release backer film
- 2SQ net coverage
- 180 Day UV exposure
- Limited Lifetime Warranty



AVAILABILITY:

Roll: 36" X 72' | 2 sq. net roll | 40lb

Packaging: 25 rolls per pallet, each roll packaged in box

Specification	ASTM Standard	Typical Value
Unrollability	ASTM D1970	No cracking, tearing or damage
Thickness	ASTM D5147	45 Mils
Tensile Strength	ASTM D1970	MD: 130 lbs/ Inch, CD: 110 lbs/ Inch
Tear Resistance	ASTM D1970	MD: 165 lbs/ft , CD: 150 lbs/ft
Permeability	ASTM E96	0.03
Thermal Stability	ASTM D1970	250° F/Pass
Fire Rating	ASTM E108	CLASS A
Low Temperature Flexibility	ASTM D1970	PASS
Adhesion to Plywood at 75°F	ASTM D1970	24 lb/ft
Nail Sealability	ASTM D1970	Pass
Service Temperature Range	-	-40° F to 260° F

This product is manufactured in accordance with national standards, which allow for non-critical variance in weights and measures. Test data is based on average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values +/- 10% © 2019 VPPL.

TRI-BUILT® SA HT SYNTHETIC APPLICATION INSTRUCTION

ROOF DECK PREPARATION:

- Protrusions from the deck area must be removed and roof decks shall have no voids, damaged or unsupported areas. Deck surfaces shall be free of debris, dry and moisture free.
- TRI-BUILT SA HT may be applied directly to a plywood, OSB, or concrete roof surface and should be fully covered as soon as possible or within 100 days of installation. Priming of the deck is not required for attaching TRI-BUILT SA HT when the temperature is above 40°F (4.4°C), concrete or masonry decks should be primed with a solvent or water-based primer that meets the requirements of ASTM D41 for asphalt based self-adhered membrane applications.
- For re-roofing projects, any water damaged sheathing must be replaced, roof deck swept to remove dust dirt and other loose materials and debris.
- Do not install over old roof covering materials.
- Use of calcium products or salt for ice and snow removal is not recommended.

APPLICATION:

- For the best results, TRI-BUILT SA HT should be installed on a dry roof deck when temperatures or air membrane and substrate is over 40°F (4.4°C) and rising.
- For cold weather applications of TRI-BUILT SA HT below 40°F (4.4°C) the use of a primer is required and the laps blind nailed. Blind nail with 1" or longer roofing nails with 3/8" head in the marked lap area.
- For steep slope installation (6:12 or greater) or when installing at temperatures greater than 100°F (38°C) it is recommended to blind nail the overlap areas as noted above for cold weather applications or where code requires.
- TRI-BUILT SA HT is to be laid out horizontally, parallel, to the roof eave with printed side up, using 3" horizontal laps and 6" vertical laps.
- Each TRI-BUILT SA HT must be installed vertically, anchor with 3/8" head roofing nails along the upper most edges 3" down with 6 equally spaced nails across the 36" sheet width. Ensure that the roofing nails are installed perpendicular to the roof deck so the head lays flat and seals well into the top of the surface of the TRI-BUILT SA HT.
- Always work from the low point up to the high point of the roof surface. Apply the TRI-BUILT SA HT in valley areas before the membrane is applied to the eaves.
- It is recommended to cut the membrane into manageable lengths. Peel back 1 to 2 feet of the release liner, align the membrane, and then continue to peel the release liner from the membrane. Hand press or walk the membrane onto the surface, then follow with a 40 pound or heavier pressure roller to smooth and secure the membrane, especially at overlapping areas. If a roller is not available or considered safe in some circumstances, walk-in all laps, and on as much of the field area as possible to secure the adhesive into the pores of the roof deck and overlap areas.
- For eave installation, TRI-BUILT SA HT should be applied over the metal drip edge at the eave. Do not fold the TRI-BUILT SA HT over the roof edge unless the membrane is subsequently covered over by a drip edge or other flashing material. It is required that the TRI-BUILT SA HT be installed flush to the roof edge, extending 1/4"–3/8" inside the exterior wall, or as code requires.
- Do not install fasteners above the maximum ice dam build-up line in most areas. Consult your local building code for specific requirements.