



# TRI-BUILT® SAT BASE

HEAT-ACTIVATED SELF-ADHERED SBS-MODIFIED BASE SHEET  
FOR HYBRID ROOF SYSTEMS

**PRODUCT USE:** TRI-BUILT® SAT Base Sheet is designed for use as a heat-activated, self-adhered base sheet for hybrid roof systems with a torch-applied cap or cap set in hot asphalt for modified bitumen or built-up roofing systems. It is suitable for use in both new construction and reroofing over a variety of substrates<sup>1</sup>, including but not limited to insulation, concrete and plywood/OSB2. TRI-BUILT® SAT Base Sheet delivers measurable labor savings over traditional fully adhered asphaltic membranes without compromising waterproofing protection. TRI-BUILT® SAT Base Sheet also may be used as a vapor retarder under roof insulation and may be left exposed for up to six months without asphalt degradation. This versatile base ply can be used in TRI-BUILT® two-ply, low-slope roofing systems for up to 20-year warranty durations.

**PRECAUTIONS:** TRI-BUILT® SAT Base Sheet is attached by a self-adhering method. It is not intended for attachment with hot asphalt, cold adhesive, coal tar pitch or mechanical fasteners. TRI-BUILT® SAT Base Sheet relies on heat-activation to achieve its full bond; it must be installed with either a torch-applied cap sheet or cap sheet set in hot asphalt. It cannot be paired with a self-adhered cap sheet or one set in cold adhesive. Rolls should be stored upright off the ground and completely protected from the weather.

Do not attempt application if ice, snow, moisture or dew are present. Surface to be bonded to must be clean, dry and free from any dust or deterrent to adhesion. Do not attempt installation on roofs without adequate slope and drainage.

**PRODUCT COMPOSITION AND FEATURES:** TRI-BUILT® SAT Base Sheet is manufactured using a dimensionally-stable, fiberglass reinforced mat, saturated and coated with a superior grade of SBS-modified bitumen compound on the top of the sheet and a proprietary pressure sensitive SBS-modified bitumen adhesive on the back of the sheet. It is surfaced on the bottom with a removable release film and on the top with highly UV stable, black slag particles.

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| Roll Dimensions:    | 39 <sup>3</sup> / <sub>8</sub> " X 68' 7" (225 square feet) |
| Nominal Coverage:   | Two squares                                                 |
| Approximate Weight: | 78 lbs.                                                     |
| Top Surface:        | Fine black slag particles                                   |
| Back Surface:       | Release film                                                |

**APPLICABLE STANDARDS:** Meets ASTM D1970 and ASTM D4601, Type 1. TRI-BUILT® SAT Base Sheet is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies.

**PACKAGING:** TRI-BUILT® SAT Base Sheet rolls are individually packaged in corrugated boxes.



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TECHNICAL DATA

The following information represents typical average properties of TRI-BUILT® SAT Base Sheet.

**Modified Bitumen Coating:** Non-oxidized (flux) asphalt, blended with a compatible elastomeric styrene-butadiene-styrene polymer and selected inert fillers.

**Support Mat:** Dimensionally-stable, fiberglass reinforced mat.

<sup>1</sup>When directly adhering to wood or OBS, priming is required; direct adhesion to plywood or OSB is not permitted by code in Miami-Dade County (check your local building code); at the end of the roofing membrane's life, roofing membranes directly adhered to wood roof decks will require replacement of the deck.

| TEST DESCRIPTION       | TEST METHOD                 | RESULTS*             |
|------------------------|-----------------------------|----------------------|
| Thickness:             | ASTM D1970                  | 1.4 mm (55 mils)     |
| Tensile Strength:      | ASTM D5147 @ 73.4 +/- 3.6°F | MD/XD 50/30 lbs./in. |
| H2O Absorption:        | 0.1%                        |                      |
| Dimensional Stability: | ASTM D5147                  | MD 0.1%/XD 0.1%      |
| Adhesion to Plywood:   | ASTM D1970                  | 30 lbs./ft.          |
| Tear Strength:         | ASTM D5147 MD/XD            | 80/50 lbs./in.       |

\*NOTE: Published results are nominal production values confirmed by independent laboratory testing.