# TRI-BUILT® SA CAP

## *SELF-ADHERING SBS MODIFIED BITUMEN CAP SHEET FOR SA ROOF SYSTEMS*

**PRODUCT USE:** TRI-BUILT® SA Cap is designed for use as a cap membrane in multi-ply self-adhered systems. It is suitable for use in the construction of various roof membrane assemblies over a variety of substrates. It is intended for use over TRI-BUILT® SA NailBase or TRI-BUILT® SA PlyBase.

**PRODUCT COMPOSITION AND FEATURES:** TRI-BUILT® SA Cap is manufactured using a high performance, stress-resistant polyester mat impregnated and coated with a superior grade of modified bitumen compound. It is surfaced on the bottom with a removable release film and on the top with mineral granules. The combination mat provides excellent tear and puncture resistance.

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| ***Roll Dimensions:*** | 39⅜" x 32' 11" |
| ***Nominal Coverage:*** | One square |
| ***Approximate Weight:*** | 95 lbs. |
| ***Top Surface:*** | Mineral granules |
| ***Back Surface:*** | Removable release film |
| ***Packaging:*** | Individual cartons (20 rolls per pallet) |

**APPLICABLE STANDARDS:** Meets ASTM D6164, Grade G, Type I, D7505, D1970 and CGSB 37 GP-56M Type 1a, Class A, Grade 1.
**MODIFIED BITUMEN COATING:** Non-oxidized (flux) asphalt, blended with elastomeric styrene-butadiene-styrene (SBS) polymer.

***Support Mat:*** High performance, stress-resistant polyester mat.

| *Test Description* | *Test Method* | *Results** |
|---|---|---|
| ***Tensile Strength:*** | ASTM D5147 | |
| | @ 73.4 +/- 3.6°F MD/XD | 80/55 lbs./in. |
| | @ 0 +/- 3.6°F MD/XD | 115/90 lbs./in. |
| ***Elongation:*** | ASTM D5147 | |
| | @ 73.4 +/- 3.6°F MD/XD | 60%/65% |
| | @ 0 +/- 3.6°F MD/XD | 40%/40% |
| ***Dimensional Stability:*** | ASTM D5147 | 0.5% |
| ***Low Temperature Flex:*** | ASTM D5147 | Pass @ 0°F |
| ***Thickness:*** | ASTM D5147 | 4.0 mm (160 mils) |
| ***Tear Strength:*** | @ 73.4 +/- 3.6°F MD/XD | 110/80 lbs. |

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

The following information is intended for general information only and is not all-inclusive.

**INSTALLATION:** Apply to TRI-BUILT® SA NailBase OR TRI-BUILT® SA PlyBase working with lengths of membrane appropriate for proper handling. Overlap side laps 3" and end laps 6". Selvage edge with release strip is provided on TRI-BUILT® SA Cap; position roll with selvage edge at the high side of the roof. Once the first cap sheet membrane length is in place, remove the top side lap to release film before overlapping the second length of TRI-BUILT® SA Cap. Stagger side laps of TRI-BUILT® SA Cap a minimum of 18" from those of the underlying TRI-BUILT® SA PlyBase and be certain end laps also are staggered minimum 36". At end laps (or any overlap onto mineral surface), use trowel grade TRI-BUILT® modified bitumen adhesive uniformly in a 1⁄16" to ⅛" layer wherever an overlap exists to ensure an adequate bond. Cut opposing corners of end laps diagonally to avoid "T" seam joints. Use a heavy, weighted roller to smooth and secure the membrane.

**DECK PREPARATION:** TRI-BUILT® recommends the use of TRI-BUILT® SA NailBase in conjunction with all self-adhering membrane roof installations on nailable substrates. Non-nailable roof decks may receive direct application of TRI-BUILT® SA PlyBase followed by TRI-BUILT® SA Cap, provided the deck is thoroughly primed using FlintPrime® SA. It should be noted that without the use of a nailable base sheet, the membrane may be difficult to remove if removal is ever warranted and certain UL listings
for the product may not apply.

**PRECAUTIONS:** TRI-BUILT® SA Cap must be applied as part of a self-adhered system. It is not intended for use with hot asphalt, cold adhesives or torch-down applications. Roof decks must be structurally sound, dry and smooth, and meet or exceed minimum requirements of the deck manufacturer and local code. Don't attempt application if ice, snow, moisture or dew is present. Surface to be bonded to must be clean, dry and free from any dust or deterrent to adhesion. Ambient temperature must be 50°F or above. Don't attempt installation on roofs without adequate slope and drainage.

TRI-BUILT® SA rolls must be stored above ground indoors and protected from the elements. Rolls that are improperly stored or have been on hand for prolonged periods of time may lose their tack. Do not attempt to install rolls that do not exhibit an adequate bond.