



## FLINTLASTIC® SA CAP SHEET

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

#### Product Information

**Product Use:** FLINTLASTIC SA CAP is designed for use as a cap sheet 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 FLINTLASTIC SA NailBase, FLINTLASTIC SA PlyBase or FLINTLASTIC SA MID PLY.

**Product Composition and Features:** FLINTLASTIC SA CAP is manufactured using a high performance, non-woven polyester/fiber glass scrim combination 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.

<b>Roll Dimensions:</b>	39 <sup>3</sup> / <sub>8</sub> " x 32'11"
<b>Coverage:</b>	One square
<b>Approximate Weight:</b>	95 lbs.
<b>Top Surface:</b>	Mineral granules
<b>Back Surface:</b>	Removable release film
<b>Packaging:</b>	Individual cartons (20 rolls per pallet)

**Applicable Standards:** Meets ASTM D6164, Grade G, Type I, D7505 and CGSB 37 GP-56M Type 1a, Class A, Grade 1. FLINTLASTIC SA CAP is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, ICC-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 2533), and Texas Department of Insurance (RC-47). FLINTLASTIC SA CAP White is an approved ENERGY STAR® product for slopes greater than 2"/12". Initial Solar Reflectance: 0.27; Aged Solar Reflectance: 0.24; Thermal Emittance: 0.89. FLINTLASTIC SA CAP White is also approved by the Cool Roof Rating Council (CRRCC). The CRRCC product code ID is 0668-0018.



#### Technical Data

**Modified Bitumen Coating:** Non-oxidized (flux) asphalt, blended with elastomeric styrene-butadiene-styrene (SBS) polymer.

**Support Mat:** A high performance, puncture and tear resistant, non-woven polyester and fiber glass scrim combination mat.

<b>Test Description</b>	<b>Test Method</b>	<b>Results*</b>
<b>Solar Reflectance Index (SRI):</b>	ASTM E1980	28.0
<b>Tensile Strength:</b>	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	85/65 lbs./in.
<b>Elongation:</b>	@ 0 +/- 3.6°F MD/XD	115/90 lbs./in.
	ASTM D5147	
<b>Dimensional Stability:</b>	@ 73.4 +/- 3.6°F MD/XD	60%/65%
	@ 0 +/- 3.6°F MD/XD	40%/40%
<b>Low Temperature Flex:</b>	ASTM D5147	0.5%
<b>Thickness:</b>	ASTM D5147	Pass @ 0°F
<b>Tear Strength:</b>	ASTM D5147	4.0mm (160 mils)
	@ 73.4 +/- 3.6°F MD/XD	120/95 lbs.

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

## **Product Application**

**Installation:** Apply to Flintlastic SA NailBase, PlyBase and/or FLINTLASTIC SA MID PLY working with lengths of membrane appropriate for proper handling and the same installation procedure as described for FLINTLASTIC SA MID PLY. Overlap sidelaps 3" and endlaps 6". Selvage edge with release strip is provided on Flintlastic 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, sidelap release film before overlapping the second length of FLINTLASTIC SA CAP Sheet. Stagger sidelaps of FLINTLASTIC SA CAP a minimum of 18" from those of the underlying FLINTLASTIC SA MID PLY, and be certain endlaps are also staggered minimum 36". At endlaps (or any overlap onto mineral surface), use trowel grade FlintBond modified bitumen adhesive uniformly in a 1/16" to 1/8" layer wherever an overlap exists to ensure an adequate bond. Cut opposing corners of endlaps diagonally to avoid "T" seam joints. Use a heavy, weighted roller to smooth and secure the membrane.

**Deck Preparation:** CertainTeed recommends the use of FLINTLASTIC SA NailBase in conjunction with all self-adhering membrane roof installations on nailable substrates. Non-nailable roof decks may receive direct application of FLINTLASTIC SA PlyBase or FLINTLASTIC SA MID PLY followed by FLINTLASTIC SA CAP provided the deck is thoroughly primed using FLINTLASTIC SA Primer. It should be noted 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:** FLINTLASTIC 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. Rolls should be stored upright, off ground, in their packaging cartons, completely protected from the weather. Rolls that have been 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. Roof decks shall be structurally sound, dry and smooth, and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. 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. Additional specifications and precautions are contained in the CertainTeed Roof Systems Manual.

## **Storage and Handling**

SA rolls must be stored above ground, indoors, 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.

## **Warranties**

CertainTeed offers a limited material Roof Membrane Warranty on FLINTLASTIC SA roof membrane. Contact your nearest CertainTeed office for additional information and requirements.

## **Technical Assistance and Services**

CertainTeed provides technical assistance in the design, selection, specification and application guidelines for all CertainTeed Commercial Systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed's Technical Support at 800-396-8134 x2.

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