

## FLINTLASTIC® SA CAP FR SHEET

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

### Product Information

**Product Use:** FLINTLASTIC SA roofing membrane is a premium, self-adhering SBS modified bitumen roll roofing material suitable for use in accordance with CertainTeed specifications for most low slope roof system applications. Refer to the CertainTeed Commercial Roof Systems Manual for complete self-adhered roof system specifications and application requirements.

The FLINTLASTIC SA line of products is more than a single membrane, it is a complete roof system designed for base and cap or base, mid-ply and cap roof system configurations. Use of FLINTLASTIC SA NailBase permits complete mechanical attachment to nailable substrates, preserving the integrity of the substrate for future tear-offs and adding additional waterproofing performance capabilities to the overall system. FLINTLASTIC SA PlyBase is designed for direct attachment to non-nailable substrates without fasteners. For larger industrial/institutional applications, FLINTLASTIC SA NailBase or PlyBase, Mid Ply and Cap in combination represent a premium roof system capable of meeting the performance criteria of a larger roof. Use of FLINTLASTIC SA NailBase also adds to the fire resistance of the roof system, enabling UL Listing of the roof system.

When using self-adhering roofing products, particular attention must be paid to storage and handling, deck preparation, slope and drainage, and application requirements to assure a successful installation and long-term performance.

### Compliances

**FLINTLASTIC SA** roofing membranes are manufactured on state of the art, dedicated roofing lines specifically designed for the production of modified bitumen roofing membrane. FLINTLASTIC SA Cap FR Sheet meets or exceeds ASTM D7530 and ASTM D6163, Grade G, Type I, D1970 and is UL 2218, Class 4, impact resistant when used in UL listed systems.

Refer to the current UL Roof Systems Directory, or UL's web site, [www.ul.com](http://www.ul.com) for the most current information on UL listing for FLINTLASTIC SA Products.



Classified by Underwriters Laboratories, Inc. As to an External Fire Exposure Only 62P3

UL 2218 Class 4 Impact Resistance. For restrictions see UL Directory (TGFU).

- Roll Dimensions:** 39<sup>3</sup>/<sub>8</sub>" x 32'11"
- Thickness:** 3.2 mm
- Weight:** 88 lbs.
- Coverage:** One square
- Top Surface:** Mineral-variety of colors
- Bottom Surface:** Removable release film
- Reinforcement:** Heavyweight fiber glass mat
- Tensile (lb/in):** 60/55 (MD/CD)
- Tear (lbs):** 130/100 (MD/CD)
- Elongation (%):** 4/4 (MD/CD)
- Packaging:** Individual cartons (20 rolls per pallet)

**Applicable Standards:** FLINTLASTIC SA Cap FR is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies, ICC-ES (ESR-1388), Florida Building Code Statewide Approval (FL479 Pending), and Texas Department of Insurance (RC-47 Pending). Consult [www.certainteed.com/lowslopetechinfo](http://www.certainteed.com/lowslopetechinfo) for details. Meets ASTM D6163, Grade G, Type 1. Certain SA Systems are UL classified as to impact resistance as described in the

UL *Roofing Materials & Systems Directory* (TGFU). FLINTLASTIC SA Cap FR White is an approved ENERGY STAR® product for slopes greater than 2"/12". Initial Solar Reflectance: 0.27; Aged Solar Reflectance: 0.26; Thermal Emittance: 0.85. Solar Reflectance Index (SRI) per ATSM E1980: 26.

	<b>Initial</b>	<b>Weathered</b>	
	<b>Solar Reflectance</b>	<b>0.27</b>	<b>0.26</b>
	<b>Thermal Emittance</b>	<b>0.85</b>	<b>0.88</b>
Rated Product ID	0009		
Licensed Manufacturer ID	0668		
Classification	Production Linen		
<small>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.                      Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</small>			



## ***Installation***

Refer to the CertainTeed Commercial Roof Systems Manual for complete product installation details and requirements. Below is a general guideline:

**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 FR 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.

## ***Product Application***

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 FR; 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 FR Sheet. Stagger sidelaps of FLINTLASTIC SA Cap FR 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.

## ***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***

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.

## ***Precautions***

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. Ambient temperature must be 50°F or above. Do not attempt installation on roofs without adequate slope and drainage.

## ***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.

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Code No. COMM-178

