

FLINTLASTIC® SA CAP FR

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



Product Information

Product Use: Flintlastic® SA Cap FR is designed for use as a cap membrane in multi-ply, fire-rated 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 MidPly.

Product Composition and Features: Flintlastic SA Cap FR is manufactured using a heavy duty fiberglass reinforced 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.

Roll Dimensions:	39 ³ / ₈ " x 32' 11"
Nominal Coverage:	One square
Approximate Weight:	88 lbs.
Top Surface:	Mineral granules
Back Surface:	Removable release film
Packaging:	Individual cartons (20 rolls per pallet)

Applicable Standards: Meets ASTM D6163, Grade G, Type I ASTM D7530, and is UL 2218 Class 4 impact resistant. Flintlastic SA Cap FR 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 FL 16709), and Texas Department of Insurance (RC-47). 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. Flintlastic SA Cap FR White is also listed by the Cool Roof Rating Council (CRRC). The CRRC product code ID is 0668-0009.



Technical Data

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

Support Mat: Heavy duty fiberglass reinforced mat.

<u>Test Description</u>	<u>Test Method</u>	<u>Results*</u>
Solar Reflectance Index (SRI):	ASTM E1980	26.0
Tensile Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	65/55 lbs./in.
	@ 0 +/- 3.6°F MD/XD	120/125 lbs./in.
Elongation:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	4%/4%
	@ 0 +/- 3.6°F MD/XD	4%/4%
Dimensional Stability:	ASTM D5147	0.1%
Low Temperature Flex:	ASTM D5147	Pass @ 0°F
Thickness:	ASTM D5147	3.2 mm (125 mils)
Tear Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	120/120 lbs.
Adhesion to SA PlyBase:	AC75/ASTM C903	
	@ 73.4 °F	80 lbs./ft.
	@ 40.0°F	115 lbs./ft.

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



Product Application

Refer to the CertainTeed Commercial Roof Systems Specifications 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 MidPly followed by Flintlastic SA Cap FR 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.

Installation: Apply to Flintlastic SA NailBase, PlyBase and/or Flintlastic SA MidPly working with lengths of membrane appropriate for proper handling and the same installation procedure as described for Flintlastic SA MidPly. Overlap side laps 3" and end laps 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 to release film before overlapping the second length of Flintlastic SA Cap FR. Stagger side laps of Flintlastic SA Cap FR a minimum of 18" from those of the underlying Flintlastic SA MidPly, and be certain end laps are also staggered minimum 36". At end laps (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 end laps diagonally to avoid "T" seam joints. Use a heavy, weighted roller to smooth and secure the membrane.

Precautions: Flintlastic SA Cap FR 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, 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 Commercial Roof Systems Specifications.

Storage and Handling

Flintlastic 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.

Warranties

CertainTeed offers Limited (product only) and No Dollar Limit (NDL, product and workmanship) warranties. Warranty type and duration is dependent on roof system configuration and contractor selection. Only CertainTeed Gold and Silver Star Contractors are eligible to apply for NDL warranties on specific roof projects. For more information, see CertainTeed Commercial Roof Systems Specifications or contact Commercial Roofing Technical Services.

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 Commercial Roofing Technical Services at 800-396-8134 x2.

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