

FLINTLASTIC® SA CAP FR COOLSTAR®

**SELF-ADHERED FIRE-RESISTANT SBS-MODIFIED BITUMEN
CAP SHEET WITH HIGHLY REFLECTIVE MINERAL SURFACE**



Product Information



Product Use: Flintlastic SA Cap FR CoolStar is designed for use as a fire-resistant cap for self-adhered modified bitumen roof systems over various types of substrates for new construction and reroofing where UL Class A fire performance and/or UL Class 4 impact resistance is desired. It may be paired with Flintlastic SA NailBase, Flintlastic SA PlyBase and/or Flintlastic SA MidPly base or interply sheets. It is suitable for most low-sloped roof decks and may be used for roof system flashings including wall treatments, base flashings and field flashings.

Precautions: Flintlastic modified bitumen roofing systems must be applied in accordance with installation procedures listed in the CertainTeed Commercial Roof Systems Specifications. Flintlastic SA Cap FR CoolStar is intended for self-adhered application only and should not be exposed to flame, adhesives or solvent-based materials. Rolls should be stored upright, off the ground and completely protected from the weather. Roof decks must be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Additional general recommendations, precautions, and specifications are found in CertainTeed Commercial Roof Systems Specifications.

Product Composition and Features: Flintlastic SA Cap FR CoolStar is manufactured using a heavy duty, fiberglass reinforced mat that is saturated and coated with SBS-modified bitumen compound. The fiberglass mat provides excellent rooftop strength and toughness. Flintlastic SA Cap FR CoolStar's modified bitumen compound provides moisture resistance, durability and flexibility, especially in lower temperatures. It is surfaced on the bottom with a removable release film and on the top with highly reflective granules to support energy conservation, and reduce rooftop stress associated with elevated temperatures and expansion/contraction.

Roll Dimensions:	39-3/8" x 32' 11"
Nominal Coverage:	One square
Approximate Weight:	90 lbs. per roll
Top Surface:	Highly reflective CoolStar 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 Coolstar 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 Coolstar is an approved ENERGY STAR® product. Flintlastic SA Cap FR Coolstar is also listed by the Cool Roof Rating Council (CRRC). The CRRC product code ID is 0668-0081. Initial Solar Reflectance: 0.70; Aged Solar Reflectance: 0.59; Thermal Emittance: 0.90.



Technical Data

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

Support Mat: Heavy duty fiberglass reinforced mat.

Technical Data (cont'd)

Test Description	Test Method	Results*
Solar Reflectance Index (SR) Initial/Aged:	ASTM E1980	89/75
Solar Reflectance (SR) Initial/Aged:	ASTM D7897	71%/67%
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.

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.

Technical Assistance and Services

CertainTeed provides technical assistance in the product selection, specification and application guidelines for all CertainTeed commercial roof systems. Field representatives are available for consultation in each region.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 ext. 2 or rpg.com.services@saint-gobain.com.



CertainTeed Corporation

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