

FLINTLASTIC® SA CAP FR SHEET COOLSTAR™

SELF-ADHERING SBS MODIFIED BITUMEN CAP SHEET FOR SA ROOF SYSTEMS WITH REFLECTANT COOLSTAR COATING



Product Information



Compliances

Product Use: FLINTLASTIC SA CAP FR SHEET COOLSTAR 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.

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 COOLSTAR meets or exceeds ASTM D7530 and ASTM D6164, Grade G, Type I, D1970 and is UL 2218, Class 4, impact resistant.

Refer to the current UL Roof Systems Directory, or UL's web site, 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:** 39³/₈" x 32'11"
- Weight:** 90 lbs. per roll
- Coverage:** One square
- Top Surface:** Mineral—variety of colors
- Bottom Surface:** Removable release film
- Reinforcement:** Polyester/fiber glass scrim combination mat
- Packaging:** Individual cartons (20 rolls per pallet)

Applicable Standards: FLINTLASTIC SA CAP FR SHEET COOLSTAR is listed by Underwriters Laboratories for use in various Class A, B, and C roof assemblies, ICC (ESR-1388), Florida Building Code State-wide Approval (FL 2533), Texas Department of Insurance and Cool Roof Rating Council.

FLINTLASTIC SA CAP FR SHEET COOLSTAR is an approved ENERGY STAR® product. Initial Solar Reflectance: 0.77; Aged Solar Reflectance: 0.63; Initial Thermal Emittance: 0.92. Consult www.certainteed.com/low-slopetechinfo for details. Meets or exceeds ASTM D6164.

Certain SA Systems are UL classified as to impact resistance as described in the UL *Roofing Materials & Systems Directory*.

	Solar Reflectance	Initial	Weathered
	Thermal Emittance	0.77	0.64
		0.92	0.86
	Rated Product ID	0024	
	Licensed Manufacturer ID	0668	
	Classification	Production Line	
<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>			

Test Description

Solar Reflectance Index (SRI):
Thickness:
Tensile Strength:
Elongation:

Test Method

ASTM E1980
ASTM D5147
ASTM D5147 @73°F MD/XD
ASTM D5147 @73°F MD/XD

Results*

95.6
4.0 mm (160 mils)
80/55 lbs./in.
50%/55%

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

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 SHEET COOLSTAR provided the deck is thoroughly primed using FLINTLASTIC SA Primer. 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.

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 SHEET COOLSTAR; 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 COOLSTAR. Stagger sidelaps of FLINTLASTIC SA CAP FR SHEET COOLSTAR 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. Adhesive bleed out may be touched up with CoolStar Touch-Up Coating or other white elastomeric coatings. Cut opposing corners of endlaps diagonally to avoid "T" seam joints. Use a heavy, weighted roller to smooth and secure the membrane.

Precautions

Do not attempt application if ice, snow, moisture or dew are present. Surface to be bonded 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.

Warranties

CertainTeed offers a number of different types of roof membrane warranties designed to meet the building owner's specific requirements. Please 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 FLINTLASTIC roof systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed's Customer Support at 800-233-8990.

ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS
GYPSUM • CEILINGS • INSULATION • PIPE

www.certainteed.com <http://blog.certainteed.com>

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482

Professional: 800-233-8990
Consumer: 800-782-8777

Rev 3/12 ©2000 CertainTeed Corporation, Printed in U.S.A.
Code No. COMM-188

