

## **FLINTLASTIC® GTA-FR COOLSTAR®** **FIRE-RESISTANT, APP-MODIFIED BITUMEN** **POLYESTER CAP SHEET WITH HIGHLY REFLECTIVE** **MINERAL SURFACE**



### **Product Information**



**Product Use:** Flintlastic GTA-FR CoolStar is designed for use as a cap membrane for torch-applied modified bitumen roof systems or hybrid hot asphalt applied built up roof systems (with torch-applied cap). over various types of substrates for both new construction and reroofing installations. It is suitable for most low slope roof applications 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. Cold weather applications require special handling to prevent damage to the rolls and ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates that contain moisture. Flintlastic GTA-FR CoolStar is intended for torch application only and should not be exposed to 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 GTA-FR CoolStar is manufactured using a high performance, stress-resistant polyester mat that is saturated and coated with APP-Modified bitumen compound. The polyester mat provides excellent expansion and contraction characteristics. Flintlastic GTA-FR CoolStar's modified bitumen compound provides moisture resistance, durability, fire resistance and UV stability. The highly reflective granules support energy conservation, reduce rooftop stress associated with elevated temperatures and expansion/contraction.

<b>Roll Dimensions:</b>	39 <sup>3</sup> / <sub>8</sub> " X 32' 10"
<b>Nominal Coverage:</b>	One square
<b>Approximate Weight:</b>	106 lbs. per roll
<b>Top Surface:</b>	Highly reflective CoolStar granules
<b>Back Surface:</b>	Torchable polyethylene film

**Applicable Standards:** Meets ASTM D6222, Grade G, Type I. Flintlastic GTA-FR CoolStar is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, ICC (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 2533 and FL 16709) and Texas Department of Insurance (RC-47). Flintlastic GTA-FR CoolStar can be used to comply with the 2016 California Title 24 Part 6 Cool Roof Requirements, CRRC product ID 0668-0133. Flintlastic GTA-FR CoolStar is an approved ENERGY STAR® product.



**Modified Bitumen Coating:** Non-oxidized (flux) asphalt, blended with various thermoplastic atactic polypropylene polymers and co-polymers.

**Support Mat:** High performance, stress-resistant polyester mat.

## Technical Data

<i>Test Description</i>	<i>Test Method</i>	<i>Results*</i>
<i>Solar Reflectance (SR) Initial/Aged:</i>	ASTM D7897 Rapid Rating	71%/67%
<i>Solar Reflectance Index (SR) Initial/Aged:</i>	ASTM E1980-79	88/82
<i>Softening Point:</i>	ASTM D36	310°F
<i>Tensile Strength:</i>	ASTM D5147 @ 73.4°F ±3.6° MD/XD @ 0°F ±3.6° MD/XD	80/60 lbs. per in. 135/100 lbs. per in.
<i>Elongation:</i>	ASTM D5147 @ 73.4°F ±3.6° MD/XD @ 0°F ±3.6° MD/XD	35%/40% 20%/22%
<i>Dimensional Stability:</i>	ASTM D5147 MD/XD	0.5%/0.3%
<i>Low Temperature Flex:</i>	ASTM D5147	Pass @ 8°F
<i>Compound Stability:</i>	ASTM D5147	250°F
<i>Thickness:</i>	ASTM D5147	4.0 mm (160 mils)
<i>Tear Strength:</i>	ASTM D5147 @ 73.4°F ±3.6° MD /XD	140/85 lbs.

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

## Warranties

CertainTeed offers material and/or material/workmanship (No Dollar Limit) limited 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 No Dollar Limit (NDL) limited 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](mailto:rpg.com.services@saint-gobain.com).

## Caution: Fire Hazard

Torch application of this product may create a risk of fire, including smoldering fires. The roofing applicator is solely responsible for ensuring and enforcing safe and proper application of CertainTeed roofing products by competent and qualified personnel. Only properly trained roofing professionals are authorized to install this product.

Never apply flame directly to combustible materials or allow the flame to enter into hidden or protected areas that may contain combustible materials. Follow all local code requirements. Have a Class A-B-C fire extinguisher available to each applicator. Thoroughly inspect the job site whenever torching equipment has been used. Be certain that all chances of a fire have been eliminated.

Refer to the CertainTeed Commercial Roof Systems Specifications, Midwestern Roofing Contractors Association (MRCA) CERTA program, National LP Gas Association, National Roofing Contractors Association (NRCA), National Fire Protection Association (NFPA), and Asphalt Roofing Manufacturers Association (ARMA) for further information and safety recommendations.



### CertainTeed Corporation

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20 Moores Road Malvern, PA 19355 Professional: 800-233-8990 Consumer: 800-782-8777 [certainteed.com](http://certainteed.com)