

FLINTLASTIC® GTS-FR COOLSTAR®

FIRE-RESISTANTE, SBS-MODIFIED BITUMEN POLYESTER
CAP SHEET WITH HIGHLY REFLECTIVE MINERAL
SURFACE FOR TORCH APPLICATIONS

Product Information



Product Use: Flintlastic® GTS-FR CoolStar® is designed for use as a cap membrane over various types of substrates for both new construction and reroofing installations. It is suitable for most low slope roofing 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 contained 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. Follow all safety recommendations relating to the use and maintenance of liquid propane gas torches and equipment. Flintlastic GTS-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 GTS-FR CoolStar products are manufactured on state-of-the-art, dedicated roofing lines that were exclusively designed for the production of modified bitumen roofing membrane. Flintlastic GTS-FR CoolStar is produced with a high performance, extra-tough, stress-resistant polyester mat that is impregnated and coated with a superior grade, modified bitumen compound and surfaced with highly reflective CoolStar granules.

Roll Dimensions: 39³/₈" X 32' 10"
Nominal Coverage: One square
Approximate Weight: 105 lbs. per roll
Top Surface: Highly reflective CoolStar granules
Back Surface: Torchable polyethylene film

Applicable Standards: Meets ASTM D6164, Grade G, Type II. Flintlastic GTS-FR CoolStar is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies and Florida Building Code Statewide Approval (FL 2533 and FL 16709). CRRC product ID 0668-0146.

Modified Bitumen Coating: Non-oxidized (flux) asphalt, blended with a compatible elastomeric styrene-butadiene-styrene polymer and select inert fillers.

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

Physical Properties

Test Description	Test Method	Results*
Solar Reflectance (SR) Initial/Aged:	ASTM D7897	.57
Solar Reflectance Index (SRI) Initial/Aged:	ASTM E1980	68
Softening Point:	ASTM D36	260°F
Tensile Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	125/70 lbs./in.
Elongation:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	85%/100%
Dimensional Stability:	ASTM D5147 MD/XD	0.5%
Low Temperature Flex:	ASTM D5147	Pass @ 0°F
Compound Stability:	ASTM D5147	250°F
Thickness:	ASTM D5147	4.0 mm (157 mils)
Tear Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	165/115 lbs.

*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@saint-gobain.com

Caution: Fire Hazard

Torch-down 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 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

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