

FLINTLASTIC® GMS COOLSTAR®

**SBS-MODIFIED BITUMEN POLYESTER CAP SHEET WITH
HIGHLY REFLECTIVE MINERAL SURFACE**



Product Information



Product Use: Flintlastic® GMS 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 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 contained in the CertainTeed Commercial Roof Systems Specifications. Substrates to receive a roof system must be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Substrates requiring priming must be primed with asphalt primer such as FlintPrime® and be allowed to completely dry. Substrates must provide positive drainage. Roof must be tapered to drains. The following information is intended for general information purposes only and is not all-inclusive. Flintlastic GMS CoolStar is intended for application using hot asphalt or approved cold process adhesives such as FlintBond®. Rolls should be stored upright off the ground and completely protected against 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 modified bitumen products are manufactured on state-of-the-art, dedicated roofing lines that were exclusively designed for the production of modified bitumen products. Flintlastic GMS CoolStar is produced with a high performance, 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:	39 ³ / ₈ " X 32' 10"
Nominal Coverage:	One square
Approximate Weight:	96 lbs. per roll
Top Surface:	Highly reflective CoolStar granules
Back Surface:	Fine sand, release agent

Applicable Standards: Meets ASTM D6164, Grade G, Type I. Flintlastic GMS CoolStar is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies with 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 GMS CoolStar is an approved ENERGY STAR® product. Flintlastic GMS CoolStar can be used to comply with the 2016 California Title 24 Part 6 Cool Roof Requirements, CRRC product ID 0668-0146.



Modified Bitumen Coating: Non-oxidized (flux) asphalt blended with various styrene-butadiene-styrene polymers.

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

Technical Data

Test Description	Test Method	Results*
Solar Reflectance Index (SRI) Initial/Aged:	ASTM E1980	87/75
Solar Reflectance (SR) Initial/Aged:	ASTM D7897	.71/.62
Softening Point:	ASTM D36	260°F
Tensile Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	90/65 lbs./in.
	@ 0 +/- 3.6°F MD/XD	125/75 lbs./in.
Elongation:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	60%/120%
	@ 0 +/- 3.6°F MD/XD	35%/35%



Technical Data (cont'd)

<i>Dimensional Stability:</i>	ASTM D5147 MD/XD	0.1%/0.1%
<i>Low Temperature Flex:</i>	ASTM D5147	Pass @ -20°F
<i>Compound Stability:</i>	ASTM D5147	250°F
<i>Thickness:</i>	ASTM D5147	3.7 mm (145 mils)
<i>Tear Strength:</i>	ASTM D5147	
	@ 73.4 ⁺ /- 3.6°F MD/XD	135/100 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.com.services@saint-gobain.com.



CertainTeed

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