

## FLINTLASTIC® PREMIUM GMS™ SBS MODIFIED BITUMEN ROLL ROOFING PRODUCTS

### Product Information



**Product Use:** FLINTLASTIC PREMIUM GMS is designed for use as a roofing membrane cap sheet 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 and field flashings.

**Limitations:** FLINTLASTIC PREMIUM GMS is intended for application using hot asphalt or approved cold process adhesives such as CertainTeed's FlintBond™. Rolls should be stored upright, off ground, completely protected from the weather. Roof decks shall be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Additional specifications and precautions are contained in the CertainTeed Commercial Roof Systems Manual.

**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 roofing products. FLINTLASTIC PREMIUM GMS is produced with a heavy-duty, high performance, nonwoven polyester mat and a superior grade, modified bitumen compound.

**Roll Dimensions:** 39<sup>3</sup>/<sub>8</sub>" X 32'10"  
**Coverage\*:** One square  
 (\*When applied according to CertainTeed's specification)  
**Approximate Weight:** 101 lbs. per roll  
**Top Surface:** Mineral Granules  
**Back Surface:** Light Sand Finish, release agent

**Applicable Standards:** FLINTLASTIC PREMIUM GMS is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies, by ICC-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 479), and Texas Department of Insurance (RC-47).


Consult [www.certainteed.com/lowslopetechinfo](http://www.certainteed.com/lowslopetechinfo) for details. Meets ASTM D6164, Grade G, Type II. FLINTLASTIC PREMIUM GMS White is an approved ENERGY STAR® product for slopes greater than 2"/12". Initial Solar Reflectance: 0.28; Aged Solar Reflectance: 0.27; Thermal Emittance: 0.86.

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

**Support Mat:** Heavy-duty, high performance, puncture and tear resistant, non-woven polyester mat.

<b>Test Description</b>	<b>Test Method</b>	<b>Results*</b>
Solar Reflectance Index (SRI):	ASTM E1980	27
Softening Point:	ASTM D36	260°F
Tensile Strength:	ASTM D5147 @ 73.4 +/- 3.6°F MD/XD @ 0 +/- 3.6°F MD/XD	149/94 lbs./in. 179/134 lbs./in.
Elongation:	ASTM D5147 @ 73.4 +/- 3.6°F MD/XD @ 0 +/- 3.6°F MD/XD	79%/81% 56%/66%
Dimensional Stability:	ASTM D5147 MD/XD	0.5%/0.3%
Low Temperature Flex:	ASTM D5147	Pass @ -15°F
Compound Stability:	ASTM D5147	250°F
Thickness:	ASTM D5147	4.2mm (168 mils)
Tear Strength:	ASTM D5147 @ 73°F MD/XD	182/145 lbs.

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

 COOL ROOF RATING COUNCIL		Initial	Weathered
	Solar Reflectance	0.28	0.27
Thermal Emittance	0.86	0.89	
Rated Product ID	0007		
Licensed Manufacturer ID	0668		
Classification	Production Linen		
<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>			



### Technical Data

## **Product Application**

FLINTLASTIC modified bitumen roofing systems shall be applied in accordance with installation procedures contained in the CertainTeed Commercial Roof Systems Manual. The following information is intended for general information purposes only and is not all-inclusive.

**Preparation:** Substrates to receive a roof system shall be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Flashing details shall be in place, ready to receive roofing with roof accessories available prior to application of materials. Substrates requiring priming shall be primed with asphalt primer such as CertainTeed's FlintPrime™ and be allowed to completely dry. Substrates shall provide positive drainage. Roof shall be tapered to drains.

**Installation:** Install one ply of FLEXIGLAS BASE, FLEXIGLAS FR BASE, GLASBASE or other CertainTeed approved base sheet lapping 2" on sides and 4" on ends or as specified by CertainTeed. Base sheet shall be mechanically fastened to nailable substrates, and either solid or spot mopped in hot asphalt to non-nailable or insulated substrates as specified in the CertainTeed Commercial Roof Systems Manual. Apply base sheet in such a manner to provide and maintain a minimum 6" offset between side and endlaps of base ply and FLINTLASTIC finishing membrane. Over the base ply, solid mop one ply of FLINTLASTIC PREMIUM GMS lapping 3" on sides and 6" on ends with endlaps diagonally staggered not less than 3 feet apart. Side and endlaps shall be fully adhered in a complete mopping of hot asphalt with asphalt extending approximately 3/8" beyond lap edge.

**Precautions:** Cold weather applications require special handling to prevent damage to the rolls and to ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates which contain moisture. Asphalt temperature at point of application shall not fall below 425°F to ensure maximum adhesion between FLINTLASTIC modified bitumen cap sheet and base ply.

**Maintenance:** FLINTLASTIC roof systems do not require any additional maintenance beyond normal roof maintenance procedures. CertainTeed recommends regular roof maintenance and inspection to determine the condition of drains, flashings and other similar items, and to prolong the life expectancy of the roof system.

## **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 and Services**

CertainTeed provides technical assistance in the design, selection, specification and application techniques of 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.

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