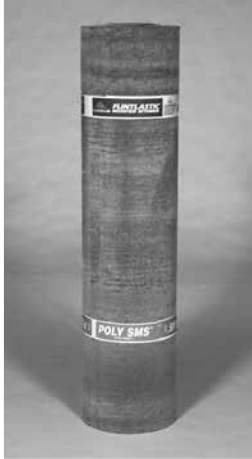


FLINTLASTIC® POLY SMS BASE SHEET

SBS MODIFIED BITUMEN POLYESTER BASE SHEET

Product Information



Product Use: Flintlastic® Poly SMS Base Sheet is designed for use as a base ply for both hot and cold applied, modified or built-up roofing systems. It is suitable for use in the construction of various types of membranes for both new construction and reroofing over a variety of substrates. Flintlastic Poly SMS Base Sheet will provide additional strength when used as the anchor sheet over nailable or first ply non-nailable and insulated substrates. In addition, it will perform as a venting base sheet when spot mopped over plastic foam-type insulations. Also suitable as a midply in multi-layer systems.

Precautions: Flintlastic Poly SMS Base Sheet may be applied in either hot asphalt or approved cold adhesive such as FlintBond®, depending on system design and selection. 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 specifications and precautions are listed in the CertainTeed Commercial Roof Systems Specifications.

Product Composition and Features: Flintlastic Poly SMS Base Sheet is manufactured on a high performance, stress-resistant polyester mat that is impregnated and coated with a superior SBS modified bitumen compound and is lightly surfaced with a mineral release agent. The polyester mat provides excellent strength, tear and puncture resistance. Flintlastic Poly SMS Base Sheet is pliable and will conform to most surfaces for ease of application.

Roll Dimensions: 39³/₈" X 64' 3"
Nominal Coverage: Two squares
Approximate Weight: 89 lbs. per roll
Top & Bottom Surfacing: Fine sand, release agent

Applicable Standards: Meets ASTM D4601, Type II performance requirements. Flintlastic Poly SMS Base Sheet is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 2533 and FL 16709) and Texas Department of Insurance (RC-47).

Technical Data

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

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

<u>Test Description</u>	<u>Test Method</u>	<u>Results*</u>
Thickness:	ASTM D5147	2.0 mm (80 mils)
Tensile Strength:	ASTM D5147	85/60 lbs./in.
Elongation:	ASTM D5147	45%/60%
Tear Strength:	ASTM D5147	125/85 lbs.

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

Product Application

Roof systems constructed with Flintlastic Poly SMS Base Sheet as the base ply or midply must be applied in accordance with installation procedures contained in the CertainTeed Commercial Roof Systems Specifications. The following information is intended for general information purposes only and is not all-inclusive.

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

Installation: Flintlastic Poly SMS Base Sheet must be installed with 2" side laps and 4" end laps, with end laps diagonally staggered not less than 3' apart. For nailable substrates, mechanically fasten Flintlastic Poly SMS Base Sheet 9" o.c. at side laps and 18" o.c. in two rows, 12" in from each edge with approved fasteners. For non-nailable or insulated substrates, Poly SMS Base Sheet must be set in either spot or solid mopping of bitumen as required by the CertainTeed Commercial Roof Systems Specifications. Spot mopping, when specified, must be applied in 9" diameter circles, 24" o.c. in all directions. Solid moppings must be applied at the rate of 25 lbs. per 100 square feet. Bitumen must be heated and applied within temperature guidelines as set forth by CertainTeed according to type and grade. For mop applications, overlap sidelaps 3".

Precautions: 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.

Maintenance: CertainTeed's Commercial Roofing Systems do not require any additional maintenance beyond normal yearly 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 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. For more information, see CertainTeed Commercial Roof Systems Specifications or contact Commercial Roofing Technical Services.

Technical Assistance and Services

CertainTeed provides technical assistance in the design, selection, specification and application techniques for all CertainTeed Commercial Roof Systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2.



CertainTeed Corporation

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