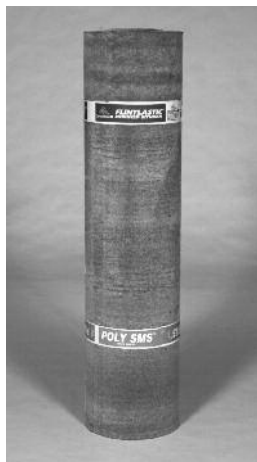


FLINTLASTIC® POLY SMS™ BASE SHEET

ASPHALT COATED, POLYESTER BASE SHEET

Product Information



Product Use: FLINTLASTIC POLY SMS Base Sheet is designed for use as a base sheet 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 first ply over nailable, 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 mid ply in multi-layer systems.

Precautions: FLINTLASTIC POLY SMS Base Sheet may be applied in either hot asphalt or approved cold adhesive such as CertainTeed's FlintBond™, depending on system design and selection. 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 POLY SMS Base Sheet is manufactured on a high performance, non-woven polyester mat which is impregnated and coated with a superior SBS modified bitumen compound and is lightly surfaced with a mineral release agent. The polyester base 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.

Applicable Standards: FLINTLASTIC POLY SMS Base Sheet is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies, ICC-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL479). Consult www.certainteed.com/lowslopetechinfo for details. Meets ASTM D4601, Type II performance requirements.

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, strength and tear resistant non-woven polyester mat
Surfacing:	Mineral release agent
Product Weight:	90 lbs. per roll
Dimensions:	39 ³ / ₈ " X 64'3"
Thickness:	2.0mm (80 mils)
Coverage:	Two squares
Tensile Strength:	95/65 lbs./in
Elongation:	55%/60%
Tear Strength:	105/75 lbs

Product Application

Roof systems constructed with FLINTLASTIC POLY SMS Base Sheet as the base ply or mid ply 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 FlintPrime™ and be allowed to completely dry. Substrates shall provide positive drainage. Roof insulation shall be tapered to drains.

**Product
Application
(cont'd)**

Installation: FLINTLASTIC POLY SMS Base Sheet shall be installed with 2" side laps and 4" end laps, with end laps diagonally staggered not less than 3 feet 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 shall be set in either spot or solid mopping of bitumen as required by the CertainTeed Commercial Roof Systems Manual. Spot mopping, when specified, shall be applied in 9" diameter circles, 24" o.c. in all directions. Solid moppings shall be applied at the rate of 25 lbs. per 100 square feet. Bitumen shall 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 to ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates which 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 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 for all CertainTeed Commercial 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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