

FLEXIGLAS™ BASE SHEET

MODIFIED BITUMEN, COATED, FIBER GLASS BASE SHEET

Product Information



Product Use: FLEXIGLAS Base Sheet is designed for use as a base sheet for hot asphalt applied, inorganic built-up or modified 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. FLEXIGLAS Base Sheet will provide additional strength and improved handling and pliability 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.

Limitations: FLEXIGLAS Base Sheet may be applied in hot asphalt or approved cold adhesives such as 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. Roof decks shall provide positive drainage. Additional specifications and precautions are contained in the CertainTeed Commercial Roof Systems Manual.

Product Composition and Features: FLEXIGLAS Base Sheet is manufactured on a durable, high quality fiber glass mat which receives a coating of modified bitumen compound and is lightly surfaced with a mineral release agent. The fiber glass base mat provides uniform strength and resists moisture absorption. FLEXIGLAS Base Sheet's modified bitumen compound provides increased durability with improved pliability and handling characteristics for smoother, more uniform applications.

Roll Dimensions:	39 3/8" x 98'9"
Coverage:	Three squares
Approximate Weight:	90 lbs. per roll
Top & Bottom Surfacing:	Mineral release agent

Applicable Standards: Meets ASTM D4601, Type II. FLEXIGLAS BASE SHEET is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies ICS-ES (ESR-1388), Factory Mutual, Miami-Dade, and Florida Building Code Statewide Approval (FL 477 and FL 2533).

Technical Data

The following information represents typical average properties of FLEXIGLAS Base Sheet:

Modified Bitumen Coating:	Non-oxidized (flux) asphalt, blended with a compatible elastomeric styrene-butadiene-styrene polymer and selected inert fillers
Support Mat:	Wet process fiber glass mat
Thickness:	1.2mm (48 mils)
Tensile (lb./in.):	74/61 (MD/CD)

Product Application

Roof systems constructed with FLEXIGLAS Base Sheet as the base 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: FLEXIGLAS 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 FLEXIGLAS 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, FLEXIGLAS Base Sheet shall be set in either a 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.

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 Commercial Roof Systems generally 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. 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 guidelines for all CertainTeed Commercial Roof Systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed's Technical Support at 800-396-8134 x2.

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