

FLINTLASTIC® BASE 20

FIRE-RESISTANT, SBS MODIFIED BITUMEN FIBERGLASS BASE SHEET

Product Information



Product Use: Flintlastic® Base 20 is a base ply utilized in two-ply or multi-layer modified bitumen fire rated roofing systems. It is suitable for use in the construction of various types of roof membrane assemblies for both new construction and recover over a variety of substrates. Flintlastic Base 20 is reinforced with a tough fibrous glass fabric.

Precautions: Flintlastic Base 20 is intended for hot asphalt application or approved cold adhesive such as FlintBond®. 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 Base 20 is manufactured on a heavy duty fiberglass reinforced mat that receives a heavy coating of weathering grade, rubberized asphalt. It is manufactured on state-of-the-art, dedicated roofing lines that were exclusively designed for the production of modified bitumen products.

Roll Dimensions: 39 $\frac{3}{8}$ " X 49' 6"
Nominal Coverage: One and a half squares
Approximate Weight: 88 lbs. per roll
Top Surface: Fine sand, release agent

Applicable Standards: Meets ASTM D4601, Type II and D6163 Grade S, Type I. Flintlastic Base 20 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: Heavy duty fiberglass reinforced mat.

<u>Test Description</u>	<u>Test Method</u>	<u>Results*</u>
Softening Point:	ASTM D36	260°F
Tensile Strength:	ASTM D5147	
	@ 73.4 \pm 3.6°F MD/XD	60/60 lbs./in.
	@ 0 \pm 3.6°F MD/XD	135/125 lbs./in.
Elongation:	ASTM D5147	
	@ 73.4 \pm 3.6°F MD/XD	4%/4%
	@ 0 \pm 3.6°F MD/XD	4%/4%
Dimensional Stability:	ASTM D5147 MD/XD	0.1/0.1 Max
Low Temperature Flex:	ASTM D5147	Pass @ -20°F
Compound Stability:	ASTM D5147	250°F
Thickness:	ASTM D5147	2.3 mm (92 mils)
Tear Strength:	ASTM D5147	
	@ 73.4 \pm 3.6°F MD/XD	115/120 lbs.

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

Product Application

Flintlastic Base 20 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 depressions and sharp projections. 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.

Installations: Flintlastic Base 20 must be installed with 3" side laps and 4" end laps, with end laps diagonally staggered not less than 3' apart. Flintlastic Base 20 must be mechanically fastened to nailable substrates and either solid or spot mopped in hot asphalt or cold applied to non-nailable or insulated substrates as specified in 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 sq. ft.

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. Asphalt temperature at point of application must not fall below 425°F to ensure maximum adhesion.

Maintenance: CertainTeed Commercial 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 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 guidelines of Flintlastic 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.

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Code No. COMM-031