

FLINTLASTIC® APP BASE T APP MODIFIED BITUMEN FIBERGLASS BASE SHEET



Product Information

Product Use: Flintlastic APP Base T is designed for use as a base ply for APP modified bitumen 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 APP Base T will provide additional strength and improved handling and pliability when used as an anchor set over nailable, non-nailable and insulated substrates or as a first ply.

Limitations: Flintlastic APP Base T is intended for mechanically fastened and heat-weld applications only and should not be exposed to adhesives or solvent-based materials. 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 contained in the CertainTeed Commercial Roof Systems Specifications.

Product Composition and Features: Flintlastic modified bitumen membranes are manufactured on state-of-the-art, dedicated roofing lines that were exclusively designed for the production of modified bitumen products. Flintlastic APP Base T is produced with an extra strength fiberglass reinforced mat that receives a coating of superior-grade APP modified bitumen compound.

Roll Dimensions:	39 ³ / ₈ " X 65' 4"
Nominal Coverage:	Two squares
Approximate Weight:	97 lbs. per roll
Top Surface:	Fine sand, release agent
Back Surface:	Torchable polyethylene film

Applicable Standards: Meets ASTM D6509. Flintlastic APP Base T is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies.

Modified Bitumen Coating: Non-oxidized (flux) asphalt, blended with various thermoplastic atactic polypropylene polymers and co-polymers.

Support Mat: Extra strength fiberglass reinforced mat.

Technical Data

Test Description	Test Method	Results*
Softening Point:	ASTM D36	310°F
Tensile Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	65/65 lbs./in.
	@ 0 +/- 3.6°F MD/XD	110/130 lbs./in.
Elongation:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	4%/4%
	@ 0 +/- 3.6°F MD/XD	4%/4%
Dimensional Stability:	ASTM D5147 MD/XD	0.1%/0.1%
Low Temperature Flex:	ASTM D5147	Pass @ 32°F
Compound Stability:	ASTM D5147	250°F
Thickness:	ASTM D5147	2.0 mm (80 mils)
Tear Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	85/90 lbs.

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

Product Application

Roof systems constructed with Flintlastic APP Base T as the base ply 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.



Product Application (continued)

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 APP Base T must be installed with 3" side laps and 4" end laps, with end laps diagonally staggered not less than 3' apart. Flintlastic APP Base T must be applied to a clean, non-nailable substrate by heat-welding or torching the backside of the membrane. Over nailable substrates, Flintlastic APP Base T must be mechanically fastened. All laps must be heat-welded.

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. Follow all safety recommendations relating to the use and maintenance of liquid propane gas torches and equipment. Refer to the CertainTeed Commercial Roof Systems Specifications for additional safety information.

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.

Caution: Fire Hazard

Fire Hazard: Torch-down application of this product may create a risk of fire, including smoldering fires. The roofing applicator is solely responsible for ensuring and enforcing safe and proper application of CertainTeed products by competent and qualified personnel. Only properly trained roofing professionals are authorized to install this product.

Never apply flame directly to combustible materials or allow the flame to enter into hidden or protected areas that may contain combustible materials. Follow all local code requirements. Have a Class A-B-C fire extinguisher available to each applicator. Thoroughly inspect the job site whenever torching equipment has been used. Be certain that all chances of a fire have been eliminated.

Refer to the CertainTeed Commercial Roof Systems Specifications, Midwestern Roofing Contractors Association (MRCA) CERTA program, National LP Gas Association, National Roofing Contractors Association (NRCA), National Fire Protection Association (NFPA) and Asphalt Roofing Manufacturers Association (ARMA) for further information and safety recommendations.

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