

## **FLINTLASTIC® APP BASE T** **APP MODIFIED BITUMEN ROLL ROOFING PRODUCT**

### **Product Information**

**Product Use:** FLINTLASTIC APP BASE T is designed for use as a base sheet 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 the first ply over nailable, non-nailable and insulated substrates.

**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 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 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 a high quality fiberglass mat that receives a coating of superior-grade APP modified bitumen compound.

**Roll Dimensions:** 39<sup>3</sup>/<sub>8</sub>" X 65'4"  
**Coverage\*:** Two squares  
(\*When applied according to CertainTeed's specification)  
**Approximate Weight:** 100 lbs. per roll  
**Top Surface:** Smooth-Talc finish  
**Back Surface:** Torchable polyethylene film

**Applicable Standards:** FLINTLASTIC APP BASE T is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies. Consult [www.certainteed.com/lowslopetechinfo](http://www.certainteed.com/lowslopetechinfo) for details. Meets ASTM D6509.

### **Technical Data**

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

**Support Mat:** Wet process fiberglass mat.

<b><u>Test Description</u></b>	<b><u>Test Method</u></b>	<b><u>Results*</u></b>
Softening Point:	ASTM D36	310°F
Tensile Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	70/55 lbs./in.
Elongation:	@ 0 +/- 3.6°F MD/XD	90/75 lbs./in.
	ASTM D5147	
Dimensional Stability:	@ 73.4 +/- 3.6°F MD/XD	4%/4%
	@ 0 +/- 3.6°F MD/XD	2%/2%
Low Temperature Flex:	ASTM D5147 MD/XD	0.1%/0.1%
Compound Stability:	ASTM D5147	Pass @ 32°F
Thickness:	ASTM D5147	250°F
Tear Strength:	ASTM D5147	2.0mm (80 mils)
	@ 73.4 +/- 3.6°F MD/XD	75/75 lbs.

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

Roof systems constructed with FLINTLASTIC APP BASE T 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.

## **Product Application**

**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.

**Installation:** FLINTLASTIC APP BASE T shall be installed with 3" side laps and 4" end laps, with end laps diagonally staggered not less than 3 feet apart. FLINTLASTIC APP BASE T shall 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 shall be mechanically fastened. All laps shall be heat-welded.

**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 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 Manual 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.

## **Caution**

**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 Manual, 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.

## **Warranties**

CertainTeed offers a number of different types of roof membrane warranties designed to meet the building owner's specific requirements. Please contact your CertainTeed Territory Manager for additional information and requirements.

## **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's Customer Support at 800-233-8990.

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