

FLINTLASTIC® PREMIUM FR-P COOLSTAR®

HIGH PERFORMANCE, FIRE-RESISTANT SBS-MODIFIED BITUMEN POLYESTER CAP SHEET WITH HIGHLY REFLECTIVE MINERAL SURFACE

Product Information



Product Use: Flintlastic® Premium FR-P CoolStar® is designed for use as a cap membrane over various types of substrates for both new construction and reroofing installations. It is suitable for most low sloped roof decks and may be used for roof system flashings including wall treatments, base flashings and field flashings.

Precautions: Flintlastic modified bitumen roofing systems must be applied in accordance with installation procedures listed in the CertainTeed Commercial Roof Systems Specifications. Flintlastic Premium FR-P CoolStar is intended for application using hot asphalt or approved cold process adhesives such as FlintBond®. 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 between the Flintlastic modified bitumen cap sheet and base ply. 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 general recommendations, precautions, and specifications are found in CertainTeed Commercial Roof Systems Specifications.

Product Composition and Features: Flintlastic modified bitumen products are manufactured on state-of-the-art, dedicated roofing lines that were exclusively designed for the production of modified bitumen products. Flintlastic Premium FR-P CoolStar is produced with a high performance, extra-tough, stress-resistant polyester mat and a superior grade, modified bitumen compound and surfaced with highly reflective CoolStar granules.

Roll Dimensions: 39³/₈" X 32' 10"
Nominal Coverage: One square
Approximate Weight: 102 lbs. per roll
Top Surface: Highly reflective CoolStar granules
Back Surface: Fine sand, release agent

Applicable Standards: Meets ASTM D6164, Grade G, Type II. Flintlastic Premium FR-P CoolStar is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, by ICC-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 2533 and FL 16709) and Texas Department of Insurance (RC-47). CRRC product ID 0668-0146.

Modified Bitumen Coating: Non-oxidized (flux) asphalt, blended with various thermoplastic styrene-butadiene-styrene polymer.

Support Mat: High performance, extra-tough, stress-resistant polyester mat.

Physical Properties

| Test Description | Test Method | Results* |
|--|------------------------|-------------------|
| Solar Reflectance (SR) Initial/Aged: | ASTM D7897 | .57 |
| Solar Reflectance Index (SRI) Initial/Aged: | ASTM E1980 | 68 |
| Softening Point: | ASTM D36 | 310°F |
| Tensile Strength: | ASTM D5147 | |
| | @ 73.4 +/- 3.6°F MD/XD | 145/105 lbs./in. |
| | @ 0 +/- 3.6°F MD/XD | 200/145 lbs./in. |
| Elongation: | ASTM D5147 | |
| | @ 73.4 +/- 3.6°F MD/XD | 60%/75% |
| | @ 0 +/- 3.6°F MD/XD | 40%/50% |
| Dimensional Stability: | ASTM D5147 MD/XD | 0.5%/0.3% |
| Low Temperature Flex: | ASTM D5147 | Pass @ -20°F |
| Compound Stability: | ASTM D5147 | 250°F |
| Thickness: | ASTM D5147 | 4.2 mm (168 mils) |
| Tear Strength: | ASTM D5147 | |
| | @ 73.4 +/- 3.6°F MD/XD | 205/170 lbs. |

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



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.

Technical Assistance and Services

CertainTeed provides technical assistance in the product selection, specification and application guidelines for all CertainTeed commercial roof systems. Field representatives are available for consultation in each region.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 ext. 2 or rpg@saint-gobain.com



CertainTeed

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