

FLINTGLAS® CAP SHEET COOLSTAR™

**MINERAL SURFACED FIBER GLASS CAP SHEET
WITH REFLECTANT COOLSTAR COATING**



Product Information



Product Use: FLINTGLAS CAP SHEET COOLSTAR is a roll roofing product designed for use as a cap sheet over inorganic and organic built-up roofing systems. FLINTGLAS Mineral Surfaced Roof Systems are suitable for both new construction and reroofing applications over a variety of substrates. It is surfaced with ceramic granules and an acrylic-based CoolStar coating to provide a durable, heat reflective weathering surface when used as a cap sheet.

Limitations: FLINTGLAS CAP SHEET COOLSTAR may be applied in either hot asphalt or approved cold adhesive such as CertainTeed's 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: FLINTGLAS CAP SHEET COOLSTAR is manufactured on a durable, high quality fiber glass mat which receives a heavy coating of weathering grade asphalt and is surfaced with ceramic granules and an acrylic-based CoolStar coating. The fiber glass base mat provides excellent strength and moisture resistance in conjunction with a reflectant, durable granule surface.

Applicable Standards: FLINTGLAS CAP SHEET COOLSTAR is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies under UL Designation G-3, by Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 477 and FL 479), Texas Department of Insurance and Cool Roof Rating Council. FLINTGLAS CAP SHEET COOLSTAR is an approved ENERGY STAR® product. Initial Solar Reflectance: 0.77; Aged Solar Reflectance: 0.63; Initial Thermal Emittance: 0.92. Consult www.certainteed.com/lowslopetechinfo for details. Meets ASTM D3909.

	Solar Reflectance	Initial 0.77	Weathered 0.62
	Thermal Emittance	0.92	0.87
	Rated Product ID	0021	
	Licensed Manufacturer ID	0668	
Classification	Production Line		
<small>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</small>			

Technical Data

The following information represents typical average properties of FLINTGLAS CAP SHEET COOLSTAR:

Support Mat:	Wet process fiber glass mat	
Top Surfacing:	Ceramic granules and flexible, acrylic-based CoolStar coating	
Approximate Product Weight:	83 lbs. per roll	
Dimensions:	39 ³ / ₈ " X 32'10" (108 square feet)	
Coverage:	One square.	
Test Description	Test Method	Results*
Solar Reflectance Index (SRI):	ASTM E1980	95.6
Thickness:	ASTM D5147	3.0 mm (120 mils)
Tensile Strength:	ASTM D5147 @73°F MD/XD	70/55 lbs./in.
Tear Strength:	ASTM D228 MD/XD	2700/2600 grams

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

Product Application

FLINTGLAS Mineral Surfaced Roof Systems 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 shall be in place and 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: FLINTGLAS CAP SHEET COOLSTAR shall be installed as the finishing cap sheet following application of base ply and interply sheets. Cap Sheet shall be installed in a continuous manner with underlying interplies. Prior to application, FLINTGLAS Cap Sheet shall be unrolled, cut into lengths not to exceed 18' and allowed to flatten. Cap Sheets which are "flown" into position shall receive a back mopping of hot asphalt at side and end laps. Apply cap sheet with 2" side laps and 4" end laps, with end laps diagonally staggered not less than 3 feet apart. Asphalt bleed out may be touched up with CoolStar Touch up Coating or other white elastomeric coating

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 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. Please 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 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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