

## FLINTGLAS® CAP SHEET

### MINERAL SURFACED FIBER GLASS CAP SHEET

#### Product Information



**Product Use:** FLINTGLAS Cap Sheet is a roll roofing product designed for use as a cap sheet over inorganic and organic built-up roofing systems. It may also be used as a heavy-duty, venting type base sheet when installed mineral side down and either mechanically fastened or spot mopped over lightweight insulating concrete decks or existing smooth surfaced membranes. 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 to provide a durable, heat reflective weathering surface when used as a cap sheet.

**Limitations:** FLINTGLAS Cap Sheet 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 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. The fiber glass base mat provides excellent strength and moisture resistance in conjunction with a reflective, durable granule surface.

**Applicable Standards:** FLINTGLAS Cap Sheet is approved by Underwriters Laboratories for use in various Class A, B, and C roof assemblies ICS-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 477), and Texas Department of Insurance (RC-47).

Consult [www.certainteed.com/lowslopetechinfo](http://www.certainteed.com/lowslopetechinfo) for details. Meets ASTM D3909. FLINTGLAS CAP SHEET White is an approved ENERGY STAR® product for slopes greater than 2"/12". Initial Solar Reflectance: 0.27; Aged Solar Reflectance: 0.28; Thermal Emittance: 0.87. Solar Reflectance (SRI) per ASTM E1980: 27

	Initial	Weathered
<b>Solar Reflectance</b>	<b>0.27</b>	<b>0.28</b>
<b>Thermal Emittance</b>	<b>0.87</b>	<b>0.88</b>
Rated Product ID	0004	
Licensed Manufacturer ID	0668	
Classification	Production Linen	

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.



#### Technical Data

The following information represents typical average properties of FLINTGLAS Cap Sheet:

<b>Support Mat:</b>	Wet process fiber glass mat.
<b>Top Surfacing:</b>	Ceramic granules.
<b>Approximate Product Weight:</b>	78 lbs. per roll.
<b>Dimensions:</b>	39 <sup>3</sup> / <sub>8</sub> " x 32'10" (108 square feet).
<b>Coverage:</b>	One square.
<b>Thickness:</b>	3.0mm (120 mils)
<b>Tensile:</b>	@ 73°F MD 70 XD 55.
<b>Tear:</b>	@73°F MD 2700 XD 2600.

#### 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.

**Product  
Application  
(cont'd)**

**Installation:** FLINTGLAS Cap Sheet shall be installed as the finishing cap sheet following application of base ply and interply felts. Cap Sheet shall be installed in a continuous manner with underlying felts. 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. When used as a venting type base sheet, FLINTGLAS Cap Sheet shall be installed mineral surface side down. For nailable substrates, mechanically fasten 9" o.c. at side laps and 18" o.c. staggered in two rows, 12" in from each edge. For non-nailable or insulated substrates, spot mop the deck with asphalt in 9" diameter circles, 24" o.c. in all directions. Install with 2" side laps and 4" end laps, with end laps diagonally staggered not less than 3 feet apart.

**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 techniques for all CertainTeed Commercial 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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