

Technical Product Data

FLINTGLAS® MS CAP

DUAL PURPOSE NON-MODIFIED ASPHALT COATED FIBERGLASS SHEET WITH MINERAL SURFACE

Product Information



Product Use: Flintglas® MS Cap is a roll roofing product designed for use as a cap sheet in built-up roofing systems. It also may 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. It is 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 MS Cap may be applied in either hot asphalt or approved cold adhesive such as CertainTeed's FlintBond®. 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. Roof decks must provide positive drainage. Additional specifications and precautions are listed in the CertainTeed Commercial Roof Systems Specifications.

Product Composition and Features: Flintglas MS Cap is manufactured on an extra strength fiberglass reinforced mat that receives a heavy coating of weathering grade asphalt and is surfaced with ceramic granules. The fiberglass mat provides excellent strength and moisture resistance in conjunction with a reflective, durable granule surface.

Roll Dimensions:	39-3/8" x 32' 10"
Nominal Coverage:	One square
Approximate Weight:	77 lbs. per roll
Top Surfacing:	Ceramic granules

Applicable Standards: Meets ASTM D3909 and D4897. Flintglas MS Cap is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, Factory Mutual, Miami-Dade, Florida Building Code Statewide Approval (FL 477) and Texas Department of Insurance (RC-47). Flintglas MS Cap White is an approved ENERGY STAR® product for slopes greater than 2"/12". Flintglas MS Cap White also is listed by the Cool Roof Rating Council (CRRC). The CRRC product ID is 0668-0004. Initial Solar Reflectance: 0.27; Aged Solar Reflectance: 0.28; Thermal Emittance: 0.87. Initial Solar Reflectance Index (SRI) per ASTM E1980: 27; Aged SRI: 28.

The following information represents typical average properties of Flintglas MS Cap.

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Support Mat:	Extra strength fiberglass reinforced mat
Thickness:	3.0 mm (118 mils)
Tensile:	@ 73°F MD 70 XD 55
Tear:	@ 73°F MD 2700 XD 2600



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Product Application

Flintglas MS Mineral Surfaced Roof Systems must be applied in accordance with installation procedures listed in the CertainTeed Commercial Roof Systems Specifications. The following information is intended for general information purposes only and is not all-inclusive.

Preparation: Substrates to receive a roof system must be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Flashing substrates must be in place and 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 or tapered roof insulation must provide positive drainage to drains or gutters.

Installation as a BUR Cap Sheet: Flintglas MS Cap must be installed as the finishing cap sheet following application of base ply and inter ply felts. Cap sheet must be installed in a continuous manner with underlying felts. Prior to application, Flintglas MS Cap must be unrolled, cut into lengths not to exceed 18' and allowed to flatten. Cap sheets that are "flown" into position must 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' apart.

Installation as a Venting Base Sheet: Install Flintglas MS Cap by inverting roll so that mineral surface side is down. Allow roll to relax. Install with 2" side laps and 4" end laps, with end laps diagonally staggered not less than 3' apart. For nailable surfaces, attach sheet 9" o.c. at side laps and 18" o.c. in two rows, 12" in from each edge. For non-nailable surfaces, spot mop the primed substrate with asphalt, using 15 lbs. per 100 sq. ft., and embed venting sheet. Spot mop in 9" diameter circles, 24" o.c. in all directions. Remove all debris from sheet surface prior to application of remaining plies. Flintglas MS Cap qualifies as a vapor retarder when additional insulation is specified.

At all parapets and curbs, carry the Flintglas MS Cap up the face of the cant and cut off 1" below the line where the cap flashings attach to the wall. Nail, but do not seal, top edge. At gravel stops, cut the Flintglas MS Cap off flush with the outside edge of the nailer or deck. Nail a dry 12" wide strip of base sheet over the nailer and the Flintglas MS Cap extending down the outside face of the nailer to be covered by the metal fascia. (Use the same CertainTeed base sheet specified in the CertainTeed Roof System being installed for this purpose.) Install the remainder of the roofing plies as specified in the CertainTeed Commercial Roof Systems Specifications for the particular roof system design.

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.

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 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 techniques for all CertainTeed Commercial 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.



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