

Description

BICOR M FR CR is a fire-resistant, APP modified bitumen cool roof cap sheet. It incorporates the features of a specialized polyester mat and continuous glass fiber composite that is saturated and coated with a blend of APP (Atactic Polypropylene) polymer, high-quality asphalt and fire-retardant additives.

BICOR M FR CR has a construction that provides an extremely durable sheet with excellent weathering properties. The premium APP asphalt blend is formulated to provide excellent physical properties for ease of installation and long-term roof performance.

The reinforcement provides superior tensile strength, toughness and puncture resistance, and can accommodate stresses created by typical rooftop expansion and contraction forces.

The covering layer of a white, acrylic coating combined with ceramic-coated roofing granules provides durability along with superior resistance to damage from weather and foot traffic, as well as the benefits of a reflective, emissive surface. The back of the sheet has a fine mineral surface for cold adhesive application.

Use


BICOR M FR CR is designed for use as a premium, modified bitumen cap sheet. UL® Class A ratings may be obtained in numerous constructions, both new and re-roof at slopes up to 1" per foot (83 mm/m). Because of its excellent weatherability, durability and handling characteristics, BICOR M FR CR may be used not only as a modified bitumen cap sheet but also as a flashing material. This product may be installed using heat-welding application techniques or in JM MBR® Cold Application Adhesive.

Advantages

- The top-coated surface of the sheet is highly emissive and solar reflective.
- The fiber glass upper reinforcement provides excellent tensile and tear properties as well as fire resistance and dimensional strength.
- The premium quality APP blend allows for excellent weathering characteristics.
- BICOR M FR CR features a dual reinforcement resulting in tensile strength exceeding 200 lb per inch (35.0 kN/m) when used with a base sheet.



Energy and the Environment

 <p>CRRG COOL ROOF RATING COUNCIL MEMBER</p>	Solar Reflectance	<u>Initial</u> 0.76	<u>Weathered</u> Pending
	Thermal Emittance	0.85	Pending
	Rated Product ID	0662-0007	
	Licensed Manufacturer ID	0662	
	Classification	Production Line	
<p><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 construction may vary.</small></p> <p><small>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating normal procedures.</small></p>			

LEED®	Recycled Content: 0%	SRI 92
	Producing Locations: Oklahoma City, OK	

Typical Physical Properties*

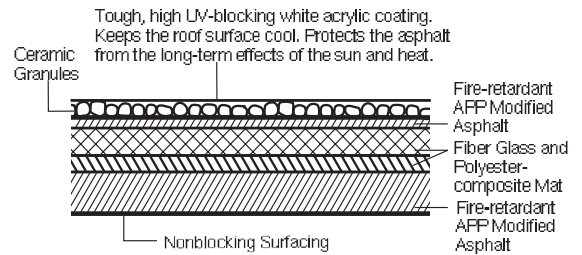
Material meets or exceeds the criteria for ASTM 6223, Type I, Grade G.

Thickness	180 mil (5 mm)
Tensile Strength @ 0°F (-18°C)	
Machine Direction	249 lb force/in. width (43.58 kN/m)
Cross Machine Direction	189 lb force/in. width (33.08 kN/m)
Elongation @ 0°F (-18°C)	
Machine Direction	5.9%
Cross Machine Direction	5.7%
Tensile-Tear	
Machine Direction	164 lb/in. (28.70 kN/m)
Cross Machine Direction	148 lb/in. (25.90 kN/m)
Low Temperature Flexibility	0°F (-18°C)
Dimensional Stability	
Machine Direction	0.10% change
Cross Machine Direction	0.10% change

* Material tested in accordance with ASTM D 5147 Standard Test Method for Sampling and Testing Modified Bituminous Sheet Materials.

Sizes

Roll size	Approximately 100 ft ² (9.29 m ²)
Roll weight	111 lb (50.35 kg)
Roll length	34' 1" (10.39 m)
Roll width	39 ³ / ₈ " (1 m)



This is a special order product. Contact your JM sales representative about availability and lead times.

Refer to the Material Safety Data Sheet and product label prior to using this product.