

**Description**

BICOR M FR is a fire-resistant, APP modified bitumen 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 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 ceramic-coated roofing granules provides durability along with superior resistance to damage from weather and foot traffic. The white mineral surface also provides heat reflectance. The back of the sheet has a fine mineral surface for ease of heat welding or approved cold adhesive application.

**Use**

BICOR M FR 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 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 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 features a dual reinforcement resulting in tensile strength exceeding 200 lb per inch (35.0 kN/m) when used with a base sheet.

**Typical Physical Properties\***

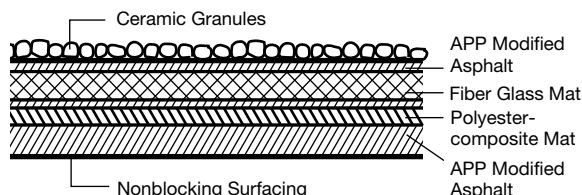
**Material meets or exceeds the criteria for ASTM 6223, Type I, Grade G.**

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 <sup>2</sup> (9.29 m <sup>2</sup> )
Roll weight .....	106 lb (48.1 kg)
Roll length .....	32' 10" (10.01 m)
Roll width .....	39 <sup>3</sup> / <sub>8</sub> " (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.