

# FireShield® MB

## Information Sheet

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# FireShield® MB

## Description

FireShield® MB Elastomeric Roofing Membrane is a water-based, sprayable thermoplastic rubber liquid that cures to form a seamless rubber membrane. Its patent-pending technology can turn virtually any UL Listed BUR or modified bitumen roof system into a UL Class A rated roof. FireShield® MB is designed to enhance your roof system's protective performance by providing unique fire extinguishing properties. Special fire resistant ingredients in the product react with heat and fire causing a chemical reaction to occur. A non-combustible carbon char layer is formed that retards flame propagation by reducing available oxygen. FireShield® MB is listed by the Cool Roof Rating Council<sup>SM</sup> for solar reflectance and thermal emittance. Its high reflectivity and thermal emittance will help to reduce heat gain to preserve the roof substrate, lower interior temperatures and reduce cooling costs. Sprayable, seamless FireShield® systems install fast, without the tear-off, staging and disposal associated with traditional systems. Comprehensive warranties are available.

## Uses

FireShield® MB Elastomeric Roofing Membrane is designed to protect new BUR and modified bitumen roofs as well as protect and restore metal as a primer Hypalon®, wood and concrete. FireShield® MB is formulated to provide maximum fire protection, increase a roof's reflectivity and to protect the roof substrate from harmful ultraviolet rays. It is highly flexible to accommodate temperature-related expansion and contraction of the roof system, a leading cause of roof system failure. Substrate shall not pond water for a period

longer than 48 hours. Surface must be free of ponding water, ice, snow and debris prior to application. Do not apply at temperatures below 42°F. Substrate temperatures must be below 120°F when applying product.

## Advantages

- Patent-pending technology can turn virtually any currently UL Classified BUR or modified bitumen roof system into a UL Class A rated roof\*\*
- Highly reflective and listed by the Cool Roof Rating Council<sup>SM</sup> for solar reflectance and thermal emittance
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment
- Easier to apply than solvent-based systems for asphalt surfaces
- Warranties available for up to 10 years\*
- Guarantees available for up to 10 years\*
- Available in 5-gallon pails, 55-gallon drums and bulk totes

For application questions, please contact GAFMC Contractor Services at 1-800-766-3411.

## Applicable Standards

ASTM D-412, ASTM D-21-96, ASTM D-1475, ASTM E-1644

**Note:** Repair leaks promptly to avoid adverse effects, including mold growth.

\*See warranties and guarantees for complete coverage and restrictions.  
\*\*Providing the assembly is UL Listed.

## TOPCOAT® FireShield® MB TECHNICAL DATA

Application Rate:	1.0 to 1.75 gallons/100 sq.ft. per coat
Application Method:	Airless sprayer, brush or roller
Application Temp (air, surface):	42° – 120°F
Drying Time (75°F, 50% RH):	Approximately 24 hours per coat
Wet Mil Thickness:	(1.0 Gallon/100SF) – 16 wet mils
Dry Mil Thickness:	(1.0 Gallon/100SF) – 9 dry mils
Total Solids (by weight):	67% ± 2%
Total Solids (by volume):	55% ± 2%
Specific Gravity:	1.34 ± 0.1
Weight per Gallon:	11.2 ± 0.5 lbs.
Viscosity (75°F):	15,000 ± 2,000 cps
Tensile Strength:	100 psi
Elongation:	275%
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 Year
Clean-up:	Water before curing

Title 24  
Compliant



For further information, contact  
GAF Contractor Services at:  
1-800-766-3411 or visit [www.gaf.com](http://www.gaf.com)  
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