

# TOPCOAT®

LIQUID-APPLIED ROOFING

## FireShield® MB

### Description

TOPCOAT® FireShield® MB is a water-based, 100% acrylic coating emulsion-based product that cures to form a seamless rubber membrane. FireShield® MB will maintain or may improve UL rating on select roofing systems or assemblies.\* It 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 (white only) 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

TOPCOAT® FireShield® MB is designed to protect new BUR and modified bitumen roofs as well as to restore metal (as a primer), Hypalon®, wood, and concrete substrates. FireShield® MB is formulated to provide maximum fire protection, increase a roof's reflectivity, and 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. **For proper installation, substrate must have positive drainage (i.e., shall not pond water for a period longer than 48 hours).**

Surface must be free of 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

- Unique technology can turn virtually any currently UL Classified BUR or modified bitumen roof system into a UL Class A rated roof\*
- FireShield® MB is highly reflective
- FireShield® MB (white only) is 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
- Easier to apply than solvent-based systems for asphalt surfaces
- Limited material warranty 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

Contact GAF Technical Services at 1-800-766-3411 or visit [gaf.com](http://gaf.com).

### Applicable Standards

ASTM D412, ASTM D2196, ASTM D1475, ASTM E1644

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

\*Provided the roofing system or assembly is UL Listed.

\*\*See applicable warranties and guarantees for complete coverage and restrictions.

### TOPCOAT® FIRESHIELD® MB TECHNICAL DATA

Application Rate:	1.0 to 1.75 gallons/100 sq. ft. per coat, varies by system
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 ± 10%
Elongation:	275%
Initial Reflectivity:	0.72 (white only)
Aged Reflectivity:	0.69 (white only)
Initial Emissivity:	0.91 (white only)
Aged Emissivity:	0.90, 3 year (white only)
Initial SRI:	89 (white only)
Aged SRI:	85 (white only)
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 year
Clean-Up:	Water before curing

LEED® Credit  
Available



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Florida  
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