



Roof Mate MB Plus Coating

Product Data Sheet | Formerly TOPCOAT® MB Plus

PRODUCT DESCRIPTION

United Coatings™ Roof Mate MB Plus Coating is a water-based, low-VOC, acrylic coating. It is a sprayable polymeric coating, which cures to form a seamless rubber membrane. It covers and protects (smooth and granulated) and smooth BUR, and acts as a primer on metal. Roof Mate MB Plus (white only) is an ENERGY STAR® qualified reflective product that will help to reduce building temperatures. Roof Mate MB Plus (white only) is listed by the Cool Roof Rating Council for solar reflectance and thermal emittance. It is highly reflective, flexible and, due to unique emulsion chemistry, resists unsightly bleed-through over asphalt substrates better than solvent-based systems. Available in white (for maximum reflectivity) and custom colors. It is non-flammable.

WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

PACKAGING & SHELF LIFE

5 gallon (18.93 liter) pail
54 gallon (204 liter) drum

Shelf life 12 months if unopened containers stored between 50°F and 80°F. Protect from freezing.

BASIC USES

United Coatings™ Roof Mate MB Plus Coating is designed to protect and restore aged roofs. This product can be used on modified bitumen, BUR, metal (as a primer), wood, and concrete. For use with water-based sealants and top coats only.

Advantages

- ENERGY STAR® qualified reflectivity can dramatically decrease building temperatures (white only)
- Highly reflective and listed by the Cool Roof Rating Council for solar reflectance and thermal emittance (white only)
- Low VOC and non-flammable
- Easier to apply than solvent-based systems for asphalt surfaces

PHYSICAL PROPERTIES

ROOF MATE MB PLUS	
Application Rate	1.0 to 1.75 gallons/100 ft² per coat
Application Method	Airless sprayer, brush, or roller
Application Temp (air, surface)	40° - 120°F
Drying Time (75°F, 50% RH)	Approximately 24 hours per coat
Recommended Wet Mil Thickness	(1.0 Gallon/100SF) – 16 wet mils
Recommended Dry Mil Thickness	(1.0 Gallon/100SF) – 9 wet mils
Specific Gravity:	1.32 ± 0.1
Weight per Gallon:	11.0 ± 0.5 lbs.

Total Solids (by weight)	65% ± 2%
Total Solids (by volume)	54% ± 2%
Viscosity (75°F)	15,000 ± 2,000 cps
Tensile Strength	150 psi ± 10%
Elongation	275%
Reflectivity	0.83 initial, 0.67 aged (white only)
Emissivity	0.88 initial, 0.85 aged (white only)
SRI	104 initial, 91 aged (white only)



APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION: Roof must have positive drainage with no moisture trapped in the roof membrane. For non-metal roofs, GAF requires a moisture scan be performed by an independent source prior to issuance of a GAF guarantee. Roof substrate must be clean, completely dry, and free from any foreign matter. Pressure wash to remove all dust and debris, and allow to dry. Examine substrate to receive new roofing and conduct test patches to verify adhesion of coating prior to start of work. Check for any damaged roof membranes, including all flashings and penetrations, and repair as needed.

MIXING: Roof Mate MB Plus Coating is a ready-to-use material; however, some settling of material may have occurred during shipment and storage. Mix prior to use with a ¾ horsepower or larger mixer with a blade capable of uniformly mixing the entire container. For 5-gallon (19 liter) pails, use 3" (76 mm) minimum diameter mixing blades. For 55-gallon (208 liter) drums, use 6" (151 mm) minimum diameter mixing blades.

APPLICATION: Apply when temperatures are above 45°F (5.5°C). Apply product with a roller, roofing brush, or

sprayer, covering the surface at an even rate. For spray application, use an airless spray pump with a minimum 2 gallons-per-minute (7.6 L/min) output and a minimum 3,000 psi (20,685 kPa) pressure capability. Use a reversible, self-cleaning tip with an orifice size of .033" (.84 mm). Allow each coat to fully dry before applying next coat. Each coat shall be applied in a direction perpendicular to the previous coat. Apply at a rate of 1.0 – 1.75 gal/100 ft² (3.8 – 6.6 liter/9.3 m²) per coat. Total gallons (liters) per square depend on roof surface and specifications. Granular and coarse surfaces will require more coating than smooth surfaces to achieve desired dry mil thickness. For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

Applicable Standards: ASTM D412, ASTM D2196, ASTM D1475, ASTM D1644

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

GAF Liquid-Applied

January 2016, superseding April 2018



Roof Mate MB Plus Coating

Product Data Sheet | Formerly TOPCOAT® MB Plus

LIMITATIONS & PRECAUTIONS

Store in well-ventilated area at 50°F to 80°F. Protect from freezing.

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to OSHA guidelines and product Safety Data Sheet (SDS).

CLEAN UP

Clean-Up: Water before curing.

GAF

1 Campus Drive
Parsippany, NJ 07054
1-800-ROOF-411
gaf.com