

**BITEC® MAC-Flash is a single product combining the advantages of both a trowel-grade mastic with an aluminum coating. This creates a highly reflective flashing grade material that can be used to build, re-build, or maintain flashings on asphalt roofs, all with the UV protection of an aluminum coating but completed as a single step.**

## FEATURES & BENEFITS

BITEC MAC-Flash also provides the following features and benefits:

- Single day application - no need to come back and coat the repair 30 days later
- MAC-Flash is double reinforced to provide more strength to repairs and flashings, outlasting and outperforming conventional roof mastics
- Can be used for building new flashings, re-building old flashings, and a multitude of repairs in asphalt-based roof systems
- MAC-Flash is highly reflective, making it UV stable and highly protective as compared to standard roof mastics
- Protection from day 1 - the reflectivity is built in, making it protected from harmful UV rays as soon as it's applied

## PACKAGING

Package: 3-gallon pails and 5-gallon pails

Quantity per pallet: 36 3-gal pails, 48 5-gal pails

Pallets per truckload (typical): 18

## APPLICATION

The surface to be repaired must be clean, dry, and sound, as well as free of dirt, moisture, oils, algae, or other contaminants that may interfere with proper adhesion. Carefully remove any loose material from the surface with a wire brush or scraper. Grease and oil should also be removed with environmentally safe solvents or an appropriate cleaner. In most cases, a high-pressure water blast will be sufficient to prepare the surface. With all coatings and adhesives, proper preparation is key to yielding optimal results.

***Product application should be suspended immediately and our technical service personnel contacted if the results being obtained are less than desirable.***

MAC-Flash should be used in conjunction with fiberglass mesh for roof repair and certain flashing applications. MAC-Flash should be installed by a professional roofing contractor with previous experience in the application methods described.

PMA-2000 is ready to use, as is, from the container. It will not settle or form a layer of oil. In cold weather, store at room temperature to ensure proper workability. PMA-2000 should only be applied to clean and dry surfaces. Avoid using

dirty trowels or trowels that have been previously used with conventional asphalt mastics.

Trowel a base coat of PMA-2000 over the area to be repaired. Embed a strip of fiberglass mesh into the base coat and top dress with PMA-2000. The top coat should be sufficiently thick so the weave in the membrane is completely covered. The coverage rate at 8" wide by 1/4" deep should be approximately 1 gallon per 7 lineal feet.

Please refer to the BITEC Roofing Products Installer's Guide for detailed application guidelines.

**As with any roofing project, good roofing practices should always be followed.**

## STORAGE & HANDLING

Store materials locked up and in a well-ventilated, dry, and temperature conditioned location. Keep containers tightly closed to avoid contamination.

## PRECAUTIONS

Do not apply MAC-200 when outside temperatures are below 50°F (10°C). Do not apply if rain, dew, or temperatures below 50°F (10°C) are forecast 24 hours prior to scheduled application. Do not overwork MAC-200 during application; this may lead to an undesirable darkening or bronzing of the coating.

Safety first! The roofing contractor and employees are the key to success regarding safety. Safety should always be first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit [www.bitec.com](http://www.bitec.com).

Technical Schedule		
Non-Volatile	45% minimum	ASTM D2824
Density at 77°F (25°C)	8.51 lbs/gal (1.02 g/cm <sup>3</sup> )	ASTM D1475
Typical Drying Time at 50% R.H., 77°F (25°C)	Overnight	
Flash Point	Minimum 103°F (39°C)	ASTM D-93
Service Temperature Extended exposure	-20°F - 230°F -29°C - 110°C	
Resistance to Sunlight	Excellent	
Effects of Weathering	Slow erosion	
Wet Film Thickness @ 1-gal (3.8 L)	16 mils (406.4 microns)	
VOC	480 g/L	
Reflectance (Initial)	0.74	
Reflectance (3-year aged)	0.65	
Emittance (Initial)	0.33	
Emittance (3-year aged)	0.33	
SRI (Initial)	0.77	
SRI (3-year aged)	0.60	
Coverage (Smooth or mineral)	0.5-0.75 gal/100 ft <sup>2</sup> (per coat) 0.20-0.30 L/m <sup>2</sup> (per coat)	
Coverage (Metal)	0.20-0.25 gal/100 ft <sup>2</sup> (per coat) 0.08-0.10 L/m <sup>2</sup> (per coat)	

*All information is given in good faith but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the improper application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of the warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of any BITEC products.*

