

# MAC-300™

**PRODUCT CODE**  
**F02421**

## PRODUCT DESCRIPTION

MAC-300™ is a premium quality; high solids content; fibered; asphaltic base aluminum roof coating. When installed according to specifications and installation guidelines, MAC-300™ provides a bright finish with excellent hiding and covering power. MAC-300™ is formulated using select oils, asphalt and resins. MAC-300™ preserves and beautifies while providing a reflective shield over old and new roofs. MAC-300™ meets or exceeds ASTM D 2824, Type III product standard specifications.

## PRODUCT ADVANTAGES

**Reduces Roof Deterioration** – UV rays are reflected by the coating's aluminum surface. This action reduces deterioration of the roof membrane.

**High Solids Content** – Only the highest quality aluminum flake is used; and more per gallon of coating as compared to competitive brands. This results in unequaled reflectivity which lasts for years.

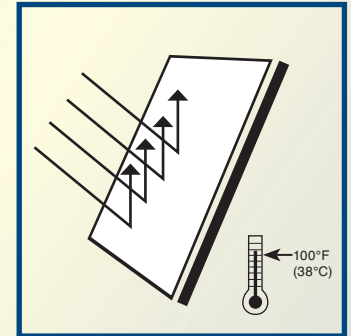
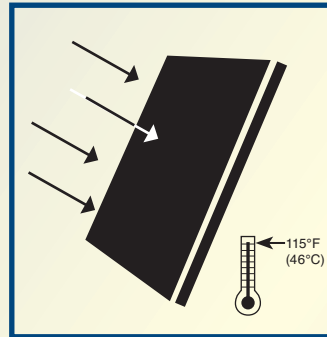
**Improves Building Appearance** – Two coats form a long lasting and sustainable shield which protects and preserves the roof system below.

**Economical** – One gallon of MAC-300™ coats the same area as three to four gallons of standard fibered aluminum roof coating. Apply second coat perpendicular to the first.

- Allow 30-45 days membrane cure time before applying coating under the following conditions: APP smooth membrane; asphalt emulsion; bitumen mastic and adhesives.
- Allow 90 days membrane cure time before applying coating over cold adhesive applied bituminous roof systems.

## APPLICATION

Before application of coating, ensure all surfaces receiving the coating are dry and free of oil, dust and debris. Roof surfaces which are old and dry shall be prepared using an asphalt primer applied at a rate of one gallon per roof square (1gal/100ft<sup>2</sup>). Repair any splits, cracks or surface irregularities with PMA-2000™ and fiberglass mesh, where applicable. It is highly recommended this product be installed by a knowledgeable and experienced roofing contractor.



## PRECAUTIONS

- Do not apply coating when outside temperatures are below 50°F (10°C).
- Do not apply if rain, dew or temperatures below 50°F (10°C) are forecasted 24 hours prior to scheduled application.
- Do not overwork product during application. This may lead to an undesirable darkening or bronzing of the coating.
- Material should be mixed prior to application. Mix until the coating appears consistent.

# MAC-300™

Technical Data	MAC-300™
<b>Flash Point</b> (ASTM D 93)	100°F (38°C) min
<b>Density @77°F (25°C)</b> (ASTM D 1475)	8.7 lb./gal (1.04 g/cm <sup>3</sup> )
<b>Viscosity @ 75°F (27°C)</b> (ASTM D 562) Krebs Stormer	100-125 KU
<b>Non-Volatile (%)</b> (ASTM D 6511)	60 min
<b>Typical Drying Time</b>	Overnight
<b>Service Temperature, Extended Exposure</b>	-20°F to 180°F (-29°C to 82°C)
<b>Resistance to UV Light</b>	Excellent
<b>Effect of Weathering</b>	Slow erosion
<b>Shower Resistance</b>	Excellent
<b>Wet Film Thickness @ 2 gal. (7.6 l)</b>	32 mils (812.8 microns)
<b>Coverage</b>	2 gal. per 100 ft. <sup>2</sup> (.82 l/m <sup>2</sup> )
<b>Packaging</b>	5 gallon pail (18.9 l)

Eco-Facts	MAC-300™	
<b>VOC</b>	400 g/l	
<b>Recycled Content</b>		
<b>Post Consumer</b>	N/A	
<b>Post Industrial</b>	3.34%	
	<b>Initial</b>	<b>3 Year Aged</b>
<b>Reflectance</b>	.61	.55
<b>Emittance</b>	.44	.44
<b>SRI</b>	58	48

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For specific application recommendations and coverage rates, please contact your local BITEC Representative or BITEC Technical Service Department.



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