

MAC-200™

PRODUCT CODE
F02411

PRODUCT DESCRIPTION

MAC-200™ is a non-fibered, asphaltic base, aluminum roof coating. When installed according to specifications and installation guidelines, MAC-200™ provides an exceptionally bright finish with excellent hiding and covering power. MAC-200™ preserves and beautifies while providing a reflective shield over old and new roofs, as well as metal roofs. MAC-200™ meets or exceeds ASTM D 2824, Type I product standard specifications.

PRODUCT ADVANTAGES

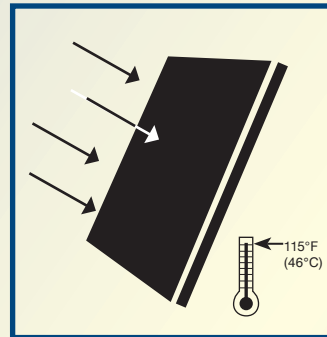
Saves Energy - Reduces under roof temperatures by 15° F or more, resulting in reduced workload on building's air conditioning system. This reduction can be as much as one ton per 1,500 ft². Therefore, proper interior temperatures can be maintained at lower energy cost.

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

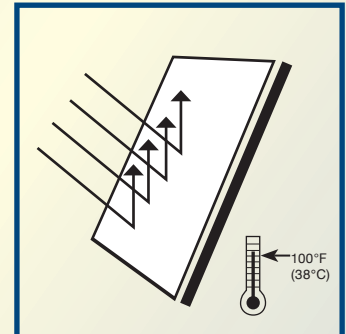
Improves Building Appearance - Two coats form a long lasting and sustainable shield which protects and preserves the roof system below.

Economical - One gallon of MAC-200™ coats the same area as three to four gallons of standard non-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. It is highly recommended this product be installed by a knowledgeable and experienced roofing contractor.



1) Expose a panel of black asphalt roofing to a radiant heat source. Place a thermometer on the opposite side... and watch the temperature go up.



2) Then, expose a panel of the same roofing, painted with MAC-200™, to the same heat source. A thermometer on the other side of the panel will show more than a 15° difference in temperature.

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.
- It is highly recommended this product be installed by a knowledgeable and experienced roofing contractor.

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Technical Data	MAC-200™
Flash Point (ASTM D 93)	103°F (39°C) min
Density @77°F (25°C) (ASTM D 1475)	8.51 lbs./gal. (1.02 g/cm ³)
Typical Drying Time @ 50° RH, 77°F (25°C)	Overnight
Service Temperature Extended Exposure	-20°F to 230°F (-29°C to 110°C)
Non-Volatile (ASTM D 2824)	45% min
Resistance to Sunlight	Excellent
Effects of Weathering	Slow erosion
Wet Film Thickness @ 1 gal. (3.8 l)	16 mils (406.4 microns)
Coverage Smooth or Mineral	.5-.75 gal/100 sq. ft. per coat 2-coat application (.20-.30 l/m ² per coat)
Metal Roofs	.20-.25 gal/100 sq. ft. per coat (.08-.10 l/m ² per coat)
Packaging	5 gallon pail (18.9 l)

Eco-Facts	MAC-200™	
VOC	480 g/l	
	Initial	3 Yr. Aged
Reflectance	.74	.65
Emittance	.33	.33
SRI	77	60

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Roofing Systems Component
for Material Characteristics
in Accordance with
ASTM D4586-0045P1



Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local BITEC Representative or BITEC Corporate Office for more information.

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



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