MAC-200™
PRODUCT INFORMATION

Aluminum roof coating that can reduce roof temperatures 15 degrees or more, helping to lower energy costs

OVERVIEW

MAC-200 is a non-fibered, asphalt-based, aluminum roof coating that can reduce roof temperatures 15 degrees or more, helping to lower energy costs. When installed according to specifications and installation guidelines, MAC-200 provides an exceptionally bright finish with excellent coverage and UV protection.

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.

Additional product advantages include:

- Reduces under roof temperatures by 15 degrees or more, resulting in reduced workload on building's air conditioning system and lower energy costs
- UV rays are reflected by the coating's aluminum surface, reducing deterioration of the roof membrane
- Two coats of MAC-200 form a long lasting and sustainable shield that protects and preserves the roof system below
- 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.

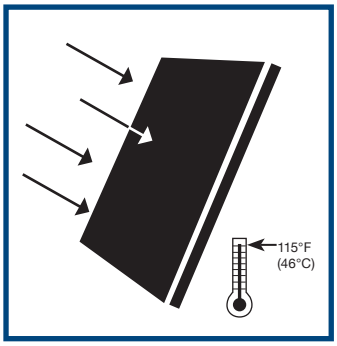
APPLICATION

For APP smooth membranes; asphalt emulsion; bitumen mastic and adhesives, allow 30-45 days cure time before applying coating.

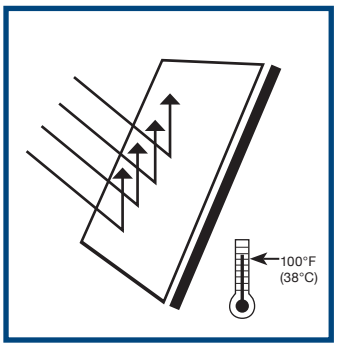
Allow 90 days cure time before applying coating over cold adhesive applied bituminous roof systems.

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



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



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-degree difference in temperature.

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Technical Schedule	
NON-VOLATILE (ASTM D-2824)	45% min.
DENSITY @ 77°F (25°C) (ASTM D-1475)	8.51 lbs./gal. (1.02 g/cm³)
TYPICAL DRYING TIME @ 50° RH, 77°F (25°C)	Overnight
FLASH POINT (ASTM D-93)	103°F (39°C) min
SERVICE TEMPERATURE (Extended Exposure)	-20°F to 230°F (-29°C to 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	.74 (initial) .65 (3-year aged)
EMITTANCE	.33 (initial) .33 (3-year aged)
SRI	.77 (initial) .60 (3-year aged)
COVERAGE	
Smooth or Mineral	0.5-.75 gal/100 sq. ft. per coat (2-coat application) (.20-.30 l/m2 per coat)
Metal	20-.25 gal/100 sq. ft. per coat (.08-.10 l/m2 per coat)
PACKAGING	5 gallon pail (18.9 l)

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Distributed By:

Approvals:

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

ENERGY STAR

*Valid in the U.S. only

Member of:

NATIONAL ROOFING CONTRACTORS ASSOCIATION

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