

ARCTIC CAP™ Styrene Acrylic Resin

Technical Data & Application Instructions

Product Description & Use

ARCTIC CAP is a styrene acrylic water-based elastomer roof coating designed as a topcoat for use over new and existing smooth surfaced or granulated built up, modified bitumen, spray polyurethane foam roof and single ply roofing systems. It is also formulated as a topcoat over parapet walls. When utilized with the KM Coatings SHIELDCOAT system, plywood, concrete and metal roof substrates can also be effectively waterproofed. Refer to separate literature entitled KM PRIMEBASE for appropriate coating rates when incorporating the full fabric system.

ARCTIC CAP is available in white, lite gray and lite tan colors. Custom colors available only upon samples and color chips being approved by KM Coatings Mfg., Inc.

KM Coatings Mfg., Inc. provides no cost 5 year material warranty through approved applicators. Refer to separate warranty literature for more specific warranty coverage. Also refer to application instructions for minimum dry film thickness requirements on above mentioned warranties.

Packaging and Mixing

ARCTIC CAP is a single component material available in 5 gallon pails, 55 gallon drums, and 220 gallon totes. Thoroughly mix all containers a minimum of 5 minutes prior to the application of the material utilizing a 3" diameter mixing blade for 5 gallon pails and a 6" diameter mixing blade for 55 gallon drums.

Product Properties (ASTM D6083 Test Methods)

Solids by weight: (D1644)	69%
Solids by volume: (D2697)	54%
Weight per gallon:	11.9 lbs
Elongation at break: (@73°) (D2370)	140%
Tensile Strength: (@73°) (D2370)	349% psi
Reflectivity:	0.80
Thermal Emittance	0.86

Precautions & Limitations

ARCTIC CAP should not be applied when the roof surface is below 40°F (5°C), or when there is a possibility of temperatures falling below freezing. Cool temperatures and high humidity will retard the cure of the **ARCTIC CAP**. Caution should be taken to not apply product if weather conditions will not allow a complete cure before rain, dew, or freezing temperatures. Refer to MSDS for additional health & safety precautions prior to use. Always store material in a temperature controlled environment and out of direct sunlight ensuring that product is not exposed to temperature extremes.