

169 Non-Fibered Aluminum Roof Coating

DESCRIPTION:

Karnak #169 Non-Fibered Aluminum Roof Coating is a formulation of selected asphalts, refined solvents and fine aluminum flakes. When the coating is applied to the roof, the aluminum flakes leaf in overlapping parallel layers, forming a reflective, metallic shield over the base material.

The combination of these two protective materials, aluminum and asphalt, by the exclusive Karnak process results in a self-protecting roof coating with longer-lasting moisture and heat-resistant properties. Karnak #169 Non-Fibered Aluminum Roof Coating remains permanently bonded to the base material, thus assuring longer roof life with subsequent savings on roof maintenance.

FEATURES, BENEFITS AND ADVANTAGES:

The asphaltic oils in the base coating are protected from the intense rays of the sun by the reflective properties of the aluminum. Most of the sun's rays are reflected by this aluminum shield, thereby preventing these oils from being "cooked" out of the base coating. The coating, therefore, retains its resilient characteristics and will not prematurely crack or dry out. During the hot summer months, Karnak #169 Non-Fibered Aluminum Roof Coating will help reduce indoor building temperatures and improve inside living and working conditions. Karnak #169 Non-Fibered Aluminum Roof Coating prevents the sun's rays from penetrating the roof coating and passing the heat into the building interior.

USES:

Karnak #169 Non-Fibered Aluminum Roof Coating is ideal for use on modified bitumen membranes, metal corrugated roofs and steep asphalt surfaces. New BUR asphalt roofs should weather a minimum of 90 days before being coated with Karnak #169 Non-Fibered Aluminum Roof Coating. However, it can be coated on roofs 3 to 5 days after Karnak asphalt emulsions have been applied.

SURFACE PREPARATION:

All surfaces should be clean, dry and free from oil, grease, dust, dirt, loose paint or other foreign matter. Badly weathered or alligatored asphalt surfaces should be primed with Karnak 100 Non-Fibered Emulsion or 220 Fibered Emulsion prior to coating with 169 Non-Fibered Aluminum Roof Coating. Allow emulsion primer to cure a minimum of 3-5 days before application of aluminum coating.

APPLICATION:

Karnak #169 Non-Fibered Aluminum Roof Coating should be spread uniformly over the roof surface. Care should be taken not to overwork the coating while applying. This will have a damaging effect on the leafing action of the aluminum.

KARNAK

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WEB: <http://www.karnakcorp.com>



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Be sure to mechanically mix the aluminum coating thoroughly before using. Karnak #169 Non-Fibered Aluminum Roof Coating can be applied with a soft roof brush, roller or spray.

COVERAGE:

Apply at the rate of 0.5 to 1 gallon per 100 square feet.

SPECIFICATIONS:

ASTM D-2824 Type I.

ASTM D-3805

UL Class A (See UL Directory)

Cool Roof Rating Council (CRRC)

Solar Reflectance:	Initial	0.54	3 year	0.56
Thermal Emittance:	Initial	0.54	3 year	0.51
SRI:	Initial	51	3 year	53

Note: Coating Modified Bitumen Membranes with Aluminum Coatings:

Karnak recommends coating modified bitumen membranes as soon as possible after the membrane is installed.

Karnak's experience, laboratory and field tests, as well as NRCA, RCMA and ARMA reports, indicate that aluminum coating will reduce the combined effects of ultraviolet rays, heat and moisture, which, especially on APP modified bitumens, enhance exudation that can cause discoloring and delamination of any surface coating. After 60 days, recommended application temperatures are 40° Fahrenheit and rising. Must not come in contact with any type of moisture within 24-48 hours after application.

CAUTION:

Do not use near open flame. Avoid breathing solvent fumes and prolonged contact with skin. Do not take internally. If swallowed, **do not induce vomiting**. Call a physician immediately. Keep out of reach of children. Keep container covered when not in use. **Do not thin**. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying.

CARE OF TOOLS:

Tools and other equipment should be thoroughly cleaned with mineral spirits or

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Karna-Klean, taking necessary precautions when handling combustible materials.

PACKAGING:

Available in 5 gallon pails and 55 gallon drums.

COLD-PROCESS SYSTEMS AND COATINGS, EITHER EMULSION OR SOLVENT BASED, SHOULD ONLY BE INSTALLED ON DECKS WITH POSITIVE DRAINAGE.

PER NRCA, (NATIONAL ROOFING CONTRACTORS ASSOCIATION) "THE CRITERIA FOR JUDGING PROPER SLOPE FOR DRAINAGE IS THAT THERE BE NO EVIDENCE OF STANDING WATER ON THE DECK 48 HOURS AFTER IT STOPS RAINING."

If further information is required, please contact Karnak's Technical Service Department at 1-800-526-4236.

Please see page 222 for additional mold and safety information.

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