

# 97AF Fibered Aluminum Roof Coating

## DESCRIPTION:

Karnak #97AF Fibered Aluminum Roof Coating is made of selected asphalts and pigment flakes of pure aluminum blended with refined solvents and reinforcing fibers for heavy duty service. When Karnak #97AF Fibered Aluminum Roof Coating is applied to the roof, the aluminum flakes leaf to the surface providing a reflective metallic shield over the base of the coating.

## USES:

Karnak #97AF Fibered Aluminum Roof Coating helps reduce indoor building temperatures. It's ideal for use on modified bitumen membranes, metal corrugated decks, steep asphalt that has aged for 180 days, or any Karnak emulsion coating that has been allowed to cure for 3-5 days.

## SPECIFICATIONS:

ASTM D-2824 Type III (Non-Asbestos) TT-C-498C (except Non-Asbestos)  
ASTM D-3805 Miami-Dade Approved, ASTM D-962 Type II.

## ADVANTAGES:

The advantages of this metallic aluminum shield are twofold:

1. The asphaltic oils in the base coating are protected from harmful 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.
2. During the hot summer months, Karnak #97AF Fibered Aluminum Roof Coating may help reduce indoor building temperatures and improve inside living and working conditions, by reflecting the sun's rays and reducing roof surface temperatures.

One coat of Karnak #97AF Fibered Aluminum Roof Coating will extend the life of modified bitumen membrane, not only by limiting fire-spread, (as indicated by the U.L. Class "A" Rating) but its high aluminum content and excellent reflectivity afford solar protection and weather durability.

Modified Bitumen: Karnak #97AF Fibered Aluminum Roof Coating is U.L. Class A rated over specified Modified Bitumen Systems, UL Listing #RI2I99(N).

## SURFACE PREPARATION:

Prepare all surfaces by sweeping clean of dust, dirt, oil and loose particles. Repair all cracks and blisters by spreading Karnak #19 Ultra Rubberized Flashing Cement

# KARNAK

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over the damaged area, then embed Karnak Cotton, Glass or Poly-Mat reinforcement and apply another coat of Karnak #19 Ultra Rubberized over the entire patch. New asphalt roof surfaces should weather a minimum of 180 days before being coated with Karnak #97 Ultra Rubberized Fibered Aluminum Roof Coating. However, Karnak #97AF Fibered Aluminum Roof Coating can be coated on roofs 3 to 5 days after Karnak asphalt emulsions have been applied. Badly weathered or alligatored asphalt surfaces should be primed with Karnak 100AF Non-Fibered Emulsion or 220AF Fibered Emulsion prior to coating with 97AF Fibered Aluminum Roof Coating. Allow emulsion primer to cure a minimum of 3-5 days before application of aluminum coating. Patch and repair all seams, flashings, cracks, leaks and damaged areas with appropriate materials.

**NOTE:**

Discoloration will occur in areas where Karnak #19 Ultra Rubberized Cement is not allowed to dry a minimum of 60 days.

**APPLICATION:**

Karnak #97AF Fibered Aluminum Roof Coating should be spread uniformly over the roof surface. Care should be taken not to overwork the coating during application. This could have a damaging effect on the leafing of the aluminum. Pour the correct amount of aluminum coating to cover a given area and work it in one direction. Be sure to mechanically mix the aluminum coating thoroughly before using. Karnak #97AF Fibered Aluminum Roof Coating can be applied with a soft roof brush, roller or spray.

**COVERAGE:**

Apply at the rate of 1 to 1.5 gallons per 100 sq. ft.

**CARE OF TOOLS:**

Equipment may be thoroughly cleaned after use with mineral spirits, taking the necessary precautions when handling combustible materials.

**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.

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## PACKAGING:

Available in 1 gallon cans, 5 gallon pails and 55 gallon drums.

## Note: Coating Modified Bitumen Membranes with Aluminum Coatings:

Karnak recommends coating torch-applied 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

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 212 for additional mold and safety information.

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