

# 98 Fibered Aluminum Roof Coating

## DESCRIPTION:

KARNAK 98 Fibered Aluminum Roof Coating is a PREMIUM coating made of selected asphalts and pigment flakes of pure aluminum blended with refined solvents and reinforcing fibers for heavy duty service. When 98 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. 98 Fibered Aluminum Roof Coating is a true 3 lb.+ aluminum pigment product conforming to ASTM D-962, Type II.

## FEATURES, BENEFITS AND 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, 98 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 98 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: 98 Fibered Aluminum Roof coating is U.L. Class A rated over specified Modified Bitumen Systems, UL Listing #R12199(N).

## USES:

98 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 90 days, or any KARNAK emulsion coating that has been allowed to cure for 3 to 5 days.

## SURFACE PREPARATION:

Prepare all surfaces by sweeping clean of dust, dirt, oil and loose particles. All surfaces to be coated should be dry. Repair all cracks and blisters by spreading 19 Ultra Rubberized Flashing Cement over the damaged area, then embed 34 Asphalt Cotton Fabric, 31 Fiberglass, 5540 Resat-mat or 3036 Poly-Mat

# KARNAK

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reinforcement and another coat of 19 Ultra Rubberized Flashing Cement over the entire patch. New asphalt roof surfaces should weather a minimum of 90 days before being coated with 98 Fibered Aluminum Roof Coating.

However, 98 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 100 Non-Fibered Emulsion or 220 Fibered Emulsion prior to coating with 98 Fibered Aluminum Coating. Allow emulsion primer to cure a minimum of 3-5 days before application of aluminum coating.

### APPLICATION:

98 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. 98 Fibered Aluminum Roof Coating can be applied with a soft roof brush, roller or spray.

### NOTE:

Discoloration will occur in areas where 19 Ultra Rubberized Flashing Cement is not allowed to dry a minimum of 60 days. After 60 days, recommended application temperatures are 50° Fahrenheit and rising. Must not come in contact with any type of moisture within 24-48 hours after application.

### 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)

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“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.”

**COVERAGE:**

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

**SPECIFICATIONS:**

ASTM D-2824 Type III (Non-Asbestos)

UL Class “A” rated

ASTM-D-3805

ASTM-D-962 Type II

TT-C-498C (except Non-Asbestos)

**Cool Roof Rating Council (CRRC)**

Solar Reflectance: Initial 0.63 3 year 0.55

Thermal Emittance: Initial 0.46 3 year 0.53

SRI: Initial 62 3 year 52

**CAUTION:**

Do not use near open flame. Material is for building exterior applications only. 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**. Do not apply when rain is imminent. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying.

**PACKAGING:**

Available in 5 gallon pails and 55 gallon drums.

**If further information is required, please contact KARNAK’s Technical Service Department at 1-800-526-4236.**

When installed properly, this product will help reduce energy costs. Actual savings will vary based on geographical location and individual building characteristics. Consult your product manufacturer, roofing contractor, or call 1-888-STAR-YES (1-888-782-7937) for more information.



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