

## 297 Aqua-Lum

### DESCRIPTION:

KARNAK 297 Aqua-Lum is a water-based aluminum asphalt emulsion coating that forms a reflective shield over asphalt roofing systems and is formulated to meet all VOC regulations. 297 Aqua-Lum can be applied to hot-applied BUR or SBS Systems as soon as they have cured and can bear foot traffic firmly, thus eliminating the standard 90 to 180 day cure time normally required prior to coating with conventional solvent based aluminum coating. This coating may also be applied to APP modified bitumen membranes.

### FEATURES, BENEFITS AND ADVANTAGES:

- High reflectivity reduces surface temperature, which could result in energy savings.
- Reduces ultraviolet degradation.
- Hot-applied BUR may be coated after it has cured and can bear foot traffic firmly.
- Cold-applied solvent-based systems may be coated when dry and firm.
- Reduces thermal shock and solar radiation helping to prolong roof life.
- Non-polluting, non-flammable, water vehicle, contains no asbestos.
- Has superior bleed through resistance.
- May be applied over damp surfaces.
- Dries within two hours.
- Roof surface temperatures may be reduced 15°F or more.

### SURFACE PREPARATION:

Areas to be coated should be free of dust, dirt, loose particles, rust, oil, standing water, or anything that might inhibit adhesion. Repair all cracks, breaks and blisters with cotton, glass or polyester membrane and 19 Ultra Rubberized Flashing Cement. Allow 24-48 hours to dry. Badly weathered or alligatored asphalt surfaces should be primed with 100 Non-Fibered Emulsion or 220 Fibered Emulsion prior to coating with 297 Aqua-Lum. Allow emulsion primer to cure a minimum of 3-5 days before application of aluminum coating.

### APPLICATION:

Prior to using, 297 Aqua-Lum must be mechanically mixed in the following manner:

1. Open and remove insert and bag from pail.
2. Empty contents of bag into the pail.
3. Mix pail, using a Jiffy type mixer on a ½" drill for 3 – 5 minutes.
4. Pail is ready to use when contents are blended smooth.

# KARNAK

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297 Aqua-Lum may be applied by soft brush, roller, or heavy-duty airless spray at 2 gallons per 100 square feet. A one coat application usually gives sufficient protection over most adequately prepared surfaces. For best results when using a brush or roller, keep them immersed in the product or in water to help eliminate the solidification of the coating. Apply coating in the same direction for a more uniform appearance. Solvent-based roof coatings and cements may be coated after surface is set well enough to bear foot traffic. B.U.R. may be coated after it has cured and can bear foot traffic firmly. SBS and APP modified bitumen membranes can be coated directly with 297 Aqua-Lum immediately after completion of the roof. If there is evidence of contamination on the membrane surface, the contamination should be removed completely.

**COVERAGE RATE:**

2 gallons per 100 sq. ft.

**NOTE:** 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 the aluminum coating a roof surface will reduce the combined effects of ultraviolet rays, heat and moisture. 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.

**CAUTION:**

Do not apply when rain is imminent. Moist, not wet, surfaces may be coated. Do not apply at temperatures below 45°F or above 100°F. Protect from freezing.

Storage temperatures: 50°F - 90°F. During hot weather application, keep brush or roller moist. Rotate stock so first in is first out. Coating must be dry before exposure to water. Do not thin. Mechanically mix before application. Cover air intakes during application and while drying. Warning, once product is mixed it must be completely used. Do not attempt to store mixed product.

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**PACKAGING:**

Available in 5 gallon pails.

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 needed, contact KARNAK Technical Services at 1-800-526-4236.**

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