

298 Alumin-R

DESCRIPTION:

KARNAK 298 Alumin-R is a PREMIUM grade, single component, SBS rubber modified asphalt reflective coating specially formulated with aluminum pigment to be used as a reflective elastomeric coating over modified bitumen membranes, BUR asphalt roofs, spray polyurethane foam roofs, properly sloped primed concrete roofs and metal roofs.

FEATURES, BENEFITS AND ADVANTAGES:

- Easy to apply
- 24 hour cure
- Tough, flexible elastic, rubber-like film
- Excellent adhesion over clean asphalt surfaces
- Excellent water and water vapor resistance
- Excellent weather resistance
- Good resistance to salts and alkalies
- Aluminum reflectant characteristics

USES:

298 Alumin-R is recommended as a coating for use on APP and SBS modified bitumen membranes, BUR roofs, spray polyurethane foam roofs, primed concrete roofs, metal and mobile home roofs.

SURFACE PREPARATION:

All surfaces to be coated with 298 Alumin-R must be clean, dry, and free from oil, grease, and loose debris. Recommended application temperature is 50°F to 120°F. New BUR asphalt roofs should be allowed to weather 90-180 days before being coated. New metal must be allowed to weather 30 days before being coated.

Modified bitumen membranes should be coated immediately after the membrane has been laid into place. Metal roofs should be cleaned with a power washer using a minimum of 3000-3500 psi to remove rust and loose flaking prior to the application of 298 Alumin-R. New metal should be allowed to weather 30 days before coating.

298 Alumin-R should be **mechanically mixed** for several minutes before application.

Badly weathered or alligatored asphalt surfaces should be primed with 100 Non-Fibered Emulsion or 220 Fibered Emulsion prior to coating with 298 Alumin-R. Allow emulsion primer to cure a minimum of 3-5 days before application of aluminum coating.

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

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APPLICATION:

298 Alumin-R can be applied by brush, roller or spray. If spray equipment is utilized, use a standard heavy duty spray pump. Equipment manufacturer should be consulted for more complete information.

PHYSICAL PROPERTIES:

Weight per Gallon:	8.5 lbs.
Solids by Weight:	65%
Solids by Volume:	47%
Color:	Silver
Permeability:	0.15 mg.per sq. cm.
Cure Time:	24 to 48 hrs.
Performance Temp.Range:	-40°F to 180°F
Application Temperature:	50°F and Rising
Elongation:	300% D-412
Tensile Strength:	300% D-412

Cool Roof Rating Council (CRRC)

1. Solar Reflectance:	Initial	0.68	3 year	0.61
2. Thermal Emittance:	Initial	0.40	3 year	0.45
3. SRI:	Initial	69	3 year	59

COVERAGE RATE:

Recommended rate of 1.5 to 2 gallons per 100 sq. ft. in one application.

SPECIFICATIONS:

ASTM D-2824 Type III ASTM D-3805
ASTM D 962-Type II

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**. 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.

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.



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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.

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.

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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