

ROOFING

298 Alumin-R



Read Safety Data Sheet before using this product.

DESCRIPTION: 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 concrete roofs and metal roofs.

FEATURES, BENEFITS & 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 alkali
- Aluminum reflectant characteristics

USES: 298 Alumin-R is recommended as a coating for use on APP and SBS smooth or granule modified bitumen membranes, BUR roofs that have aged 90 days, spray polyurethane foam roofs, sloped concrete roofs, metal and mobile home roofs or any KARNAK emulsion roof coating that has been allowed to cure for 3-5 days.

SURFACE PREPARATIONS: All surfaces to be coated with 298 Alumin-R must be clean, dry, and free from loose rust, 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-Fibred Emulsion or 220 Fibred Emulsion prior to coating with 298 Alumin-R. Allow emulsion coating to cure a minimum of 3 to 5 days before application of aluminum coating. Sloped, poured concrete roofs should have internal relative humidity levels of 75% or less.

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.

COVERAGE RATE: Apply at 1.5 to 2 gallons per 100 sq. ft. (24-32 wet mils) in one application. DO NOT THIN. Over dry concrete surfaces apply one coat at the rate of 2 to 2.25 gallons per 100 sq. ft.

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. Store in a heated room and 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. Keep out of reach of children. For exterior use only.

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 roof coating will reduce the combined effects of ultraviolet rays, heat and moisture, which, especially on APP modified bitumen, enhance exudation that can cause discoloring and delamination of any surface coating. After 60 days, recommended application temperatures are 50°F and rising. Coating 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 a deck 48 hours after it stops raining."

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

If further information is needed, contact KARNAK Technical services at 800-526-4236.

PHYSICAL PROPERTIES & SPECIFICATIONS

Weight per Gallon:	9.14 lbs.
Solids by Weight:	53% Nominal
Solids by Volume:	41% Nominal
Elongation:	300% ASTM D412
Tensile Strength:	300 psi ASTM D412
Color:	Silver
Application Temp.:	50°F to 120°F
Cure Time:	24-48 hrs. at 77°F and 50% Relative Humidity
Service Temp (Cured Film):	-40°F to 180°F
VOC Content:	450 g/L MAX

ASTM D2824 Type III

ASTM D3805

ASTM D962 Type II

Solar Reflectance: 0.68 Initial
0.61 3-Yr. Aged

Thermal Emittance: 0.40 Initial
0.45 3-Yr. Aged

SRI: 69 Initial
59 3-Yr. Aged

