

ROOFING

169 Non-Fibered Aluminum Roof Coating



Read Safety Data Sheet before using this product.

DESCRIPTION: 169 Non-Fibered Aluminum Roof Coating is a formulation of selected asphalts, refined solvents and fine aluminum flakes. When the coating is applied to the roof, the aluminum flakes leaf in overlapping parallel layers, forming a reflective, metallic shield over the base material.

The combination of these two protective materials, aluminum and asphalt, by the exclusive KARNAK process results in a self-protecting roof coating with longer-lasting moisture and heat-resistant properties. 169 Non-Fibered Aluminum Roof Coating remains permanently bonded to the roof substrate, thus assuring longer roof life with subsequent savings on roof maintenance.

The asphaltic oils in the roof are protected from the 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 roof substrate. The coating, therefore, retains its resilient characteristics and will not prematurely crack or dry out. During the hot summer months, 169 Non-Fibered Aluminum Roof Coating will help reduce indoor building temperatures and improve inside living and working conditions. 169 Non-Fibered Aluminum Roof Coating prevents the sun's rays from penetrating the roof coating and passing the heat into the building interior.

USES: 169 Non-Fibered Aluminum Roof Coating is ideal for use on modified bitumen membranes, metal corrugated roofs and steep asphalt roofs. New BUR asphalt roofs should weather a minimum of 90 days before being coated with 169 Non-Fibered Aluminum Roof Coating. However, it can be coated on roofs 3 to 5 days after KARNAK asphalt emulsions roof coating has been applied.

SURFACE PREPARATIONS: All surfaces should be clean, dry and free from oil, grease, dust, dirt, loose rust, loose paint or other foreign matter. Recommended application temperature is 50°F to 120°F. Badly weathered or alligatored asphalt roof surfaces should be primed with KARNAK 100 Non-Fibered Emulsion Primer or 220 Fibered Emulsion Roof Coating prior to coating with 169 Non-Fibered Aluminum Roof Coating. Allow emulsion coating to cure a minimum of 3-5 days before application of aluminum roof coating.

APPLICATION: 169 Non-Fibered Aluminum Roof Coating should be spread uniformly over the roof surface. Care should be taken not to overwork the coating while applying. This will have a damaging effect on the leafing action of the aluminum. Be sure to mechanically mix the aluminum roof coating thoroughly before using. 169 Non-Fibered Aluminum Roof Coating can be applied with a soft roof brush, roller or spray.

COVERAGE RATE: Apply at 0.5 to 1 gallon per 100 sq. ft. (8-16 wet mils). DO NOT THIN.

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. 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 and 55-gallon drums.

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

PHYSICAL PROPERTIES & SPECIFICATIONS

Weight per Gallon: 8.87 lbs.

Solids by Weight: 59% Nominal

Solids by Volume: 45% Nominal

Color: Silver

Application Temp.: 50°F to 120°F

Service Temp (Cured Film): 15°F to 180°F

VOC Content: 450 g/L MAX

ASTM D2824 Type I

ASTM D3805

UL Class A (See UL Directory)

