

ROOFING

27 Perfectseal Fibered Aluminum Roof Coating



Read Safety Data Sheet before using this product.

DESCRIPTION: 27 Perfectseal Fibered Aluminum Roof Coating is made of selected asphalts and pigment flakes of pure aluminum, blended with petroleum solvents and mineral fibers. When Perfectseal 27 Fibered Aluminum Roof Coating is applied to the roof, the aluminum flakes leaf to the surface, forming a reflective, metallic shield over the roof substrate. The advantages of this metallic aluminum shield are two-fold:

A. The asphaltic oils in the roof are protected from harmful intense rays of the sun by the reflective properties of the aluminum. Over 50% 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.

B. During the hot summer months, 27 Perfectseal Fibered Aluminum Roof Coating will help reduce indoor building temperatures and improve inside living and working conditions. 27 Fibered Aluminum Roof Coating prevents the sun's rays from penetrating the roof coating and passing the heat into the building interior.

The combination of these protective materials - aluminum, asphalt and reinforcing fibers - by the exclusive KARNAK process results in a self-protecting roof coating with longer-lasting heat resistant features. 27 Perfectseal Fibered Aluminum Roof Coating remains tenaciously bonded to the roof, thus assuring longer roof life, with subsequent savings on roof maintenance.

USES: Apply over new BUR asphalt roof surfaces that have weathered a minimum of 180 days, asphalt emulsion coatings that have cured a minimum of 3 to 5 days, smooth or granular installed torch-applied modified bitumen membranes that have cooled and considered walkable or cold-applied SBS modified bitumen membranes that have cured a minimum of 30 days. New metal roofing should be allowed to weather 30 days before application.

SURFACE PREPARATIONS: All surfaces should be clean, dry and free of dust, dirt, loose rust, oil and other foreign matter. Recommended application temperature is 50°F to 120°F. Repair all cracks and blisters. New BUR asphalt roof surfaces should weather a minimum of 180 days before being coated with Perfectseal 27 Fibered Aluminum Roof Coating. However, Perfectseal 27 Fibered Aluminum Roof Coating can be coated on roofs 3 to 5 days after KARNAK asphalt emulsion roof coatings have been applied. Badly weathered or alligatored asphalt surfaces should be primed with KARNAK 100 Non-Fibered Emulsion Primer or 220 Fibered Emulsion Roof Coating prior to coating with 27 Perfectseal Fibered Aluminum Roof Coating. Allow emulsion primer/coating to cure a minimum of 3-5 days before application of aluminum roof coating.

APPLICATION: 27 Perfectseal 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 apply uniformly. Be sure to mechanically mix the aluminum coating thoroughly before using. 27 Perfectseal Fibered Aluminum Roof Coating can be applied with a soft roof brush, roller or spray.

COVERAGE RATE: Apply at 1 to 1.5 gallons per 100 sq. ft. 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: 8.4 lbs.

Solids by Weight: 58% Nominal

Solids by Volume: 47% 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 III

