

**DESCRIPTION:**

Karnak 670 Karna-Sil is a white, single component, high solids, moisture curing silicone coating that produces a durable elastic coating with exceptional weathering and water resistance characteristics.

**USES:**

670 Karna-Sil is ready to use right from the container as a protective coating directly over spray polyurethane foam and metal. 670 Karna-Sil may also be applied directly over silicone coated SPF roof as soon as the surface is power-washed clean and dry without the use of 180 Karna-Sil Epoxy Primer. Over built-up asphalt (BUR), modified bitumen membrane, concrete, masonry, TPO, PVC, Hypalon and EPDM surfaces you must prime first with 180 Karna-Sil Epoxy Primer before applying coating. Coating may be used on vertical as well as horizontal applications. All surfaces must have positive drainage.

**SURFACE PREPARATION:**

Surfaces to be coated should be dry, clean, and free of dirt, dust, grease, oil and loose rust or coating. Power wash surfaces with 799 Wash-N-Prep Roof Cleaner or 507 SPC Primer/Wash (EPDM Only) and water. Wash roof surfaces with a minimum of 2000 psi. taking all necessary precautions to avoid damage to the roof system. Patch and repairs all seams, flashings, damaged areas, leak and cracks with Karna-Flex WB, Karna-Flex, 550 Patch-N-Go self sealing tape or appropriate sealants or caulking materials.

**APPLICATION:**

Mix coating prior to application with a 3" diameter mixer (5-gallon pail) or 6" diameter mixer (55 gallon drum). Once product is mixed, the entire container should be used. 670 Karna-Sil may be applied by brush, roller or airless spray equipment. Apply at temperatures 50°F and rising. Do not apply if rain is expected within 24 hours after application. Commencement of work by the contractor implies his approval of the roof surface.

**SPRAY APPLICATION:**

For spray application, a high-pressure airless spray unit with a minimum of 3500 psi working pressure at the gun tip should be used. The pump must have a 3 gallon per minute output. Hoses should be jacketed for prevention of moisture contamination. Hoses should have a 3/4" ID and tip size should be a minimum size 0.030 orifice. Do not use with hoses that have been used to spray acrylic coatings.

**COVERAGE RATE:**

Apply 670 Karna-Sil in two coats at the rate of 1.25 gallons per 100 sq.ft. (20 wet mils) for a total coverage rate of 2.5 gallons per 100 sq.ft. Allow first coat to cure 2-8 hours before applying second coat (dependant upon temperature and humidity). Subsequent coats should be applied within 24 hours of prior applications to insure uniform adhesion. Applied coating film should be even and free of pinholes. Coverage will vary depending on the surface to be coated. To improve aesthetics, impact resistance and toughness of the coating, ceramic roofing granules should be applied immediately into the top coat after application. Back-roll granules in, allow coating to cure then blow off or vacuum loose granules.

