

ROOFING

180 Karna-Sil Epoxy Primer



Read Safety Data Sheet before using this product.

DESCRIPTION: 180 Karna-Sil Epoxy Primer is a two part (Part A & Part B), water-based epoxy primer that is mixed together in a 1 to 1 ratio.

USES: 180 Karna-Sil Epoxy Primer is used to prime and prepare built-up asphalt (BUR), modified bitumen membrane, concrete, metal, masonry, TPO, PVC, Hypalon and EPDM surfaces prior to applying KARNAK silicone coating. Primer may be applied on vertical as well as horizontal applications. All surfaces must have positive drainage. 180 Karna-Sil is not needed over existing silicone coated SPF roofs prior to the application of 670HS Karna-Sil Ultra or 670LS Karna-Sil silicone coating.

SURFACE PREPARATIONS: Surfaces to be coated should be dry, clean, and free of dirt, dust, grease, oil and loose rust or coating. Recommended application temperature is 40°F to 120°F. 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, leaks, and cracks with 505MS Karna-Flex WB, 502MS Karna-Flex or appropriate elastomeric sealants or caulking materials. Commencement of work by the contractor implies his approval of the roof surface.

APPLICATION: The two components, 180 Karna-Sil Epoxy Primer Part "A" and 180 Karna-Sil Epoxy Primer Part "B", should be both mixed individually first, then combine and mix thoroughly. Mechanically mixing is recommended. Part A is a slurry liquid that settles while Part B is a viscous liquid. The combined product is thixotropic and spreads easily. Do not use material that has been mixed for 4 hours or more.

Apply at the average rate of 200-300 sq. ft. per gallon on smooth surfaces. Porous or irregular surfaces will require additional primer. Note that applying too much primer will reduce the adhesion strength. Over smooth BUR & smooth modified apply at the rate of 100-150 sq. ft. per gallon; granulated modified apply at 75-100 sq. ft. per gallon; concrete apply at 150-200 sq. ft. per gallon and smooth single ply apply at 300 sq. ft. per gallon. Apply using nylon brush, 1/4" to 3/8" nap roller or airless spray equipment. For application over smooth surfaces add up to one quart (32 oz.) of water per gallon of mixed 180 Karna-Sil Epoxy Primer. Apply silicone coating over primer as soon as it has thoroughly set, which is normally 2-3 hours (dependent upon temperature and humidity). Best adhesion is achieved when coated over in 1-3 days. May be coated over for up to 7 days after application.

COVERAGE RATE:

Smooth BUR:	100-150 sq. ft. per gallon - (0.66 - 1.0 gal. per 100 sq. ft. / 9 -16 wet mils)
Smooth Modified:	100-150 sq. ft. per gallon - (0.66 - 1.0 gal. per 100 sq. ft. / 9 -16 wet mils)
Granulated Modified:	75-100 sq. ft. per gallon - (1.0 - 1.33 gal. per 100 sq. ft. / 16 - 20 wet mils)
Metal:	250-300 sq. ft. per gallon (0.33 - 0.4 gal. per 100 sq. ft. / 4 - 6 wet mils)
Concrete/Masonry:	150-200 sq. ft. per gallon - (0.5 – 0.66 gal. per 100 sq. ft. / 8 - 9 wet mils)
Single Ply (smooth):	300 sq. ft. per gallon - (0.33 gal. per 100 sq. ft. / 4 wet mils)

CAUTION: For professional use. Use with appropriate MESA/NIOSH approved respirator. The use of neoprene gloves and safety glass is also recommended. Do not apply when rain is imminent or if dew is likely to occur before curing of product. Do not use when weather conditions are below 50°F or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. Do not apply to surfaces that are above 130°F. Keep containers properly sealed when stored indoors, in a cool well-ventilated area. Keep containers away from moisture. Keep away from heat, sparks and open flame. Do not store above 100°F. **Do not thin.** Keep out of reach of children. Avoid prolonged contact with skin. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying. Wear the appropriate PPE. Please refer to SDS for more safety information. Exterior use only.

PACKAGING: Available in 10-gallon kits consisting of 5-gallon pail of Part A and 5-gallon pail of Part B.

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

PHYSICAL PROPERTIES & SPECIFICATIONS

Mixed Part A & Part B	
Weight per Gallon:	11.7 lbs.
Solids by Weight:	60%Nominal
Solids by Volume:	42%Nominal
Color:	White (Part A) Black (Part B)
Permeability:	Cures to a solvent and vapor resistant film
Hardness:	Cures to a hard coating
Cure Time:	2-3 hours (Temperature & Humidity dependent)
Shelf Life:	1 year (unopened pail)
Application Temp.:	40°F to 120°F
VOC Content:	0 g/L MAX Part A <100 g/L MAX Part B

