

# Silicone SILA-KOAT 610 Technical Data Sheet

Premium • Elastomeric  
Roof Coating & Sealant

## Typical Physical Properties:

**Total Solids:** 65% by volume ASTM D2697

**Weight Per Gallon:** 9.2 lbs per gallon

**Flash Point:** 104° C

**Clean Up Solvent:** Mineral Spirits

**Shelf Life:** 6 months @ 40°- 90° F

**Color:** White or Gray

**Viscosity:** 9,000 cP Brookfield

**Elongation:** 150%

**Hardness:** 55 Shore A

**Tensile Strength:** 500 psi

**Permeability:** 3.9 perms

**Service Temperature:** -50° to 200° F

**Thinner:** Not Recommended

**Solar Reflectance:** 87%

**Thermal Emittance:** 88%

### Cure Times:

Dry To Touch: 6 Hours

Tack Free: 2 Hours

Skinover: 30 Minutes



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**Product Description:** a one-part silicone elastomeric coating specifically designed for use in roofing applications as a protective coating over spray polyurethane foam. Once cured this liquid applied silicone coating provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, Sila-Koat 610 provides greater UV protection than similar silicone coatings and offers increased resistance to moisture penetration. Sila-Koat 610 provides excellent long term protection through exceptional weatherability properties.

**Recommended Uses:** Sila-Koat 610 was specifically developed as a protective coating for sprayed-in-place polyurethane foam roofing. With excellent adhesion and durability, Sila-Koat 610 is proven to provide excellent UV protection and long term durability for spray polyurethane foam.

## General Application Instructions:

Sila-Koat 610 may be applied by medium nap rollers, soft brushes or conventional airless spray equipment. Apply Sila-Koat 610 only to clean, dry, sound surfaces free of loose particles or other foreign matter. For best results, ambient temperature should be between 50-80°F. Higher temperatures will shorten the cure time and working time for proper application of granules before the material has skinned. Lower temperatures will lengthen the skinover, tack free and ultimate cure time. Sudden temperature declines may also result in dew formation on surfaces, which can prevent adhesion development. For best results, relative humidity should be above 20%. Lower humidity will slow the cure time significantly.

Apply Sila-Koat 610 at the rate of 1.5 gallons per 100 sq. ft. per coat, with a two coat minimum requirement. Minimum dry mil thickness shall be above 25 mils. PRODUCT APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.

## LIMITATIONS AND PRECAUTIONS:

AVOID CONTAMINATION IN SEALED CONTAINERS. STORE AWAY FROM HEAT, SOURCES OF IGNITION AND INCOMPATIBLES. USE ONLY IN WELL VENTILATED AREAS. Do not inhale vapor or mist; do not get on skin, in eyes or on clothing.