

TYPICAL PHYSICAL PROPERTIES

TOTAL SOLIDS: 96% ± 2 by volume ASTM D2697

WEIGHT PER GALLON: 10.7 lbs per gallon

FLASH POINT: >160° F

SHELF LIFE: 12 months @ 50° - 85° F

VISCOSITY: 8,000 – 12,000 cP

ELONGATION: 249% ± 50

HARDNESS: 50 ± 5 Shore A

TENSILE STRENGTH: 325 psi ± 50

PERMEABILITY: 4.2 perms

SERVICE TEMPERATURE: -50° TO 200° F

THINNER: Not Recommended

SOLAR REFLECTANCE: 87%

THERMAL EMITTANCE: 89%

CURE TIMES: 2-8 Hours

TACK FREE: 1 Hour

SKINOVER: 30 Minutes

VOC: <100 grams per liter

PRODUCT DESCRIPTION

RC 1800 Silicone Roof Coating is a high solid, low VOC, one-part silicone elastomeric coating specifically designed for use in roofing applications as a protective coating over a variety of roofing substrates. 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, **RC 1800** provides greater UV protection than similar silicone coatings and offers increased resistance to moisture penetration. **RC 1800** provides excellent long term protection through exceptional weatherability properties.

RECOMMENDED USES

RC 1800 was specifically developed as a protective coating for EPDM, TPO, PVC, modified bitumen, and smooth BUR. With excellent adhesion and durability, **RC 1800** is proven to provide excellent UV protection and long term durability for spray polyurethane foam.

APPLICATION INSTRUCTIONS

RC 1800 may be applied by medium nap rollers, soft brushes or high pressure airless spray equipment. Apply **RC 1800** only to clean, dry, sound surfaces free of loose particles or other foreign matter. For best results, ambient temperature should be between 50-90°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 **RC 1800** at the rate of 1.25 gallons per 100 sq. ft. Minimum dry mil thickness shall be above 20 mils. Two passes of silicone and a primer coat may be required for some applications and warranty programs. 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 and sources of ignition. Do not inhale vapor or mist; do not get on skin, in eyes or on clothing. Refer to SDS for more information.