

## SILICONE-PLUS SEALANT 100%

CODE: RS033

*Silicone Coating*

### OVERVIEW

SILICONE-PLUS SEALANT is a single-component, moisture-cured, fluid-applied silicone coating that is specially formulated to meet low-VOC requirements. Once cured, the silicone coating membrane offers excellent resistance to water intrusion, UV exposure, and natural weathering. This product is designed to provide protection for a wide range of building surfaces. It is excellent for waterproofing and restoring existing roof systems, as well as for weather protection of SPF roofing systems.

### FEATURES AND BENEFITS

- \* Superior leak protection
- \* Easy to apply and wide application window
- \* Weatherability
- \* Long Lasting
- \* Resistance to pounding water

### COVERAGE RATE

SILICONE-PLUS SEALANT 100% is 93% solids by volume. A typical application rate of 1.0-1.5 gallons per 100 square feet should yield a dry film thickness of approximately 15 mils in one coat. Waste, wind loss, and other variables will affect the actual dry film thickness.

## INSTALLATION

1. All surfaces to be coated must be clean, dry, sound, and paintable. It may be necessary to power wash and/or prime to enhance adhesion.

2. No thinning or reducing is recommended. Mix well before using. For drums: use a 3/4 hp air-powered mixer with a 6" blade and shaft that will create a good vortex. For pails: use at least 3" blade or a suitable hand mix paddle. Mixed material should be used immediately to avoid curing in the container with small amounts of atmospheric moisture.

3. It is not recommended that this product be applied at temperatures below 40° F (4° C) or if inclement weather is expected within 1 hour of application.

4. This product is suitable for application through airless spray equipment or with a roller, squeegee, or brush. Utilize a pump with a minimum output of 3 gallon per minute and 3,500 psi fluid pressure capability, fed with 5:1 transfer pump and with 1/2" and 3/4" ID hose. Always use components rated for the pump maximum pressure. Use a 30- mesh screen or larger. Use a spray tip with a minimum orifice of .30 and 50 degree fan angle. Medium to heavy nap roller pads are recommended. Use hoses dedicated for silicone coating.

5. This coating can be installed in one or multiple coats.

6. SPF should be coated within 24 hours of application. Subsequent coats should be applied within 24 hours prior application to ensure full and uniform adhesion. Coating must be evenly applied and pinhole free. The coating will cure in 2 to 8 hours, dependent on weather conditions such as temperature and humidity.

Do not install additional coats until coating is fully cured.

7. Approved roofing granules may be installed in the topcoat to improve aesthetics, traffic resistance, and impact resistance.

8. Cleanup the spray equipment containing uncured material may be accomplished by flushing with VM&P Naphtha or Rule 66 mineral spirits. SILICONE -PLUS SEALANT 100% cures by reacting with moisture and should not be left in spray guns, pump, equipment, or hoses for prolonged periods unless equipment contains moisture lock hoses, fitting, and seals. Equipment without these components will transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections.

### PRECAUTIONS

- \*Not recommended for continuous immersion services, for use in cold storage applications without a vapor retarder, or directly over asphaltic surfaces with out a sealer.
- \* Silicone coatings area slippery when wet. Exercise caution when walking on a roof under these conditions.
- \* Avoid breathing silicone vapors or spray mists. Use an appropriate MESA/NIOSH approved respirator when exposure can exceed recommended PEL. This product is not recommended for interior use. Additional care must be taken to prevent rooftop HVAC equipment from including silicone vapors into interior areas during application. Building occupants should be warned of spray operation in process.
- \* Keep cleaning solvents away from all sources of heat, spraks, flame, lighted smoking materials. or any other ignition sources. Pumping equipment should be grounded to avoid accidental ignition due to static spraks.
- \* It is not recommended to store this material at temperatures excedding 100° F (38° C). For maximum shel life, store between 40° F and 70° F (4°C and 21°C). Higher temperatures will reduce shelf life.
- \* Remove any skin prior to mixing the material. Once containers is opened, all products should be used. Container cannot be resealed without product skimming or curing inside container. Always keep covered and protected from the elements.

When transporting this product, ensure that the lid is tight and the container is secured.

\* See Safety Data Sheet (SDS) for complete safety information.

### RATINGS AND APPROVAL

Meets requirements of ASTM D6694  
Standard Specification for Liquid-Applied Silicone Coating

### TYPICAL PROPERTIES & CHARACTERISTIC

Max. Services Temp.	185° F ( 85° C)
Solids by Volumen	93% +/- 2
Soilds by Weight	96% +/- 2
Cure time	Min 2 hrs @ 100° F & 90% RH. No metric values Max. 8-12 hrs @ 40° F (4° C) & 20% RH No metric values
VOC	<50 gram/L
Color	White