



SILICONE COATING SOLUTIONS

# Technical Product Data

## SIL-ROOF 9000 SERIES

### Product Description:

Sil-Roof 9000 Series Solvent-Free Silicone Coating is a one-component, moisture curing silicone coating system that is designed for commercial, and industrial waterproofing applications. Once cured it displays excellent long-term resistance to natural weathering, humidity, high and low temperatures with no adverse effect to the product. Silicone Coating Solutions Sil-Roof 9000 series waterproofs while still allowing the building to permeate for building moisture management.



### Typical Performance:

Sil-Roof 9000 Series Silicone Coating cures to a durable moisture barrier. This coating is a one-part, ready-to-used material that can be applied easily to a dry, frost-free surface, and cures at normal temperature and humidity in 1 to 4 hours by reacting with moisture in the air. For applications with lower than normal temperature and humidity levels, expect the cure time to be longer.

### STORAGE AND SHELF LIFE:

Sil-Roof 9000 Series when stored in unopened containers has a recommended shelf life of 12 months from date of manufacture and between 40°f and 80°f. Refer to product packaging.

#### TYPICAL PROPERTIES - Supplied

Specific Gravity, at 25°C (77°F).....	1.24
Solids Content, Percent by volume ASTM D-1644 .....	89+-3)
Tack-Free Time.....	1-3 hrs.
Cure Time.....	2-6 hrs.
Volatile Organic Compounds.....	<49 grams/liter
Flash Point.....	212 F

#### TYPICAL PROPERTIES - Cured

Tensile Strength, psi ASTM D-412.....	266
Elongation, percent ASTM D-412.....	253
Temperature Stability Range, °C (°F).....	- 15 to 122 F
Permeability <sup>1</sup> , perms ASTM E-96.....	4.3

### **INSTALLATION:**

Surfaces to be coated with Sil-Roof 9000 Series Coating must be properly prepared. All surfaces must be clean, dry and free of loose particles. Cracks can be filled with SCS approved silicone sealants. Surface temperature of the substrate below 120°F (49°C) before installing Sil-Roof 9000 Series. The coating can be easily applied with brush, roller or standard airless spray. Skin-over is achieved within 30 minutes of application and tack free in 1-2 hours under most conditions.

### **CONCRETE SURFACES:**

New concrete and masonry should be allowed to cure for a minimum of 30 days after which the surface should be cleaned by wire brushing loose mortar and then cleaned via pressure washing.

### **SPRAY EQUIPMENT:**

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of .029 and a 50° fan tip.

### **PACKAGING:**

Sil-Roof 9000 Series is available in 1, 5 and 55 gallon containers.

### **CLEAN UP:**

Uncured silicone coating can be cleaned or equipment can be flushed with VM&P Naptha or Mineral Spirits

### **LIMITED WARRANTY INFORMATION-PLEASE READ CAREFULLY:**

Various warranties may be purchased from Silicone Coating Solutions, Inc. Available warranties include Full System Limited Warranties that range from 5 to 25 years. For warranty details, please contact your SCS Specialist.

**Specification Writers: A copy of the Application Specification for this product may be obtained from Silicone Coating Solutions Customer Service.**

*The information reported herein are based upon information reasonably available to Silicone Coating Solutions, Inc. at the time publication, and are presented in good faith but are not to be construed as warranties or guarantees, expressed or implied.*