



## LS 2200 Series

### Solvent Based Silicone Roof Coating

#### Basic Uses & Description:

Pro-Poly Sil LS 2200 Series Silicone Roof Coating is a one-component, moisture-curing silicone rubber roof coating system designed for use on sprayed-in-place polyurethane foam.

The system provides long-term protection because it resists weathering, aging, oxidation, wind-driven sand, rain and snow, the effects of ozone and ultraviolet radiation. The silicone membrane remains flexible even when exposed to extreme temperatures typically found on roofs. The Pro-Poly Sil LS 2200 Series Silicone Roof Coating is available in four standard colors, including:

- White               LS 2201
- Tan                    LS 2202
- Light Gray        LS 2203
- Dark Gray         LS 2204

(Custom colors available upon request at an additional charge)

#### Composition and Materials:

Pro-Poly Sil LS 2200 Series Silicone Roof Coating is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperature and humidity levels in 1 to 3 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.

### Typical Properties

| As Supplied:   | As Cured:  |
|--|--|
| Appearance.....White, Dark Gray, Light Gray, and Tan | Durometer Hardness, Shore A, points ASTM D-2240.....70             |
| Solids Content,                                      | Tensile Strength, psi ASTM D-412.....551 (+/- 25)                  |
| Percent by weight ASTM D-1644.....82.44%             | Elongation, percent ASTM D-412.....186 (+/- 10)                    |
| Percent by volume ASTM D-2697.....68.9%(+/-2)        | Permeability <sup>1</sup> , perms ASTM E-96.....7.9                |
| Specific Gravity, at 25°C                            | Tensile, Set at 100 percent elongation.....Nil                     |
| (77°F).....1.31                                      | Temperature Stability Range, °C (°F)..... - 37 to 100 (-35 to 212) |
| Tack-Free Time.....10-20 mins.                       | Accelerated Weathering, QUV, 5,000 hours                           |
| Cure Time.....1-3 hrs.                               | ASTM G 154.....No degradation                                      |
| Volatile Organic Compounds.....246 grams/liter       | Flame Spread ASTM E-108.....Class A                                |
|  | Initial Solar Reflectivity <sup>2</sup> , ASTM C-1549.....87       |
|  | Initial Thermal Emissivity <sup>2</sup> , ASTM C-1371.....90       |
|  | SRI Value <sup>2</sup> .....110                                    |

<sup>1</sup>20 mils at 38°C (100°F) and 90 percent relative humidity

<sup>2</sup>Applies to LS 2201 white only

**Application:**

Surfaces to be coated with Pro-Poly Sil LS 2200 Series Coating must be properly prepared. All surfaces must be clean, dry and free of loose particles. The coating can be applied with standard airless spray equipment or applied by medium nap roller. For small touch-up work, a brush may be used.

**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 .030 and a 50° fan tip.

**Storage and Shelf Life:**

Pro-Poly Sil LS 2200 Series Silicone Roof Coating has a recommended shelf life of 12 months from date of manufacture when stored in unopened containers and between 40°F and 80°F. Please refer to product packaging.

**Packaging Sizes:**

Pro-Poly Sil LS 2200 Series Silicone Roof Coating is available in 50 gallon and 5 gallon containers.

**Maintenance:**

The life of the roof may be extended by regularly scheduled maintenance. A roof should typically be inspected at least twice a year. The roof immediately needs to be inspected following severe weather and extraordinary maintenance on roof-mounted equipment.

**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 Progressive Materials, LLC. Available warranties include Full System Limited Warranties that range from 5 to 20 years. For warranty details, please contact your Progressive Materials Roofing Specialist.

Specification Writers: A copy of the Application Specification for this product may be obtained from Progressive Materials Customer Service.

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