



Technical Product Data

LS 2200 Series

Solvent Based Silicone Roof Coating

BASIC USES & DESCRIPTION:

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 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
- ▶ Black LS 2208

(Custom colors available upon request at an additional charge and at a 180 gallon minimum.)

COMPOSITION AND MATERIALS:

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.

APPLICATION:

Surfaces to be coated with 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:

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:

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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TYPICAL PROPERTIES

As Supplied:		As Cured:	
Appearance:	White, Tan, Light Gray, Dark Gray, and Black	Durometer Hardness, Shore A, points ASTM D-2240	70
Solids Content, Percent by weight ASTM D-1644:	82 (±2)	Tensile Strength, psi ASTM D-2370	551 (+/- 25)
Solids Content, Percent by volume ASTM D-2697:	70% (±2)	Elongation, percent ASTM D-2370	186 (+/- 10)
Specific Gravity, at 25°C (77°F):	1.36	Permeability ¹ , perms ASTM E-96	7.9
Tack-Free Time:	10-20 mins.	Tensile, Set at 100 percent elongation	Nil
Cure Time:	1-3 hrs.	Temperature Stability Range, °C (°F)	- 37 to 100 (-35 to 212)
Volatile Organic Compounds:	< 250 grams/liter	Accelerated Weathering, QUV, 5,000 hours ASTM G 154	No degradation
¹ 20 mils at 38°C (100°F) and 90 percent relative humidity ² Applies to LS 2201 white only		Flame Spread ASTM E-108	Class A
		Initial Solar Reflectivity ² , ASTM C-1549	87
		Initial Thermal Emissivity ² , ASTM C-1371	90
		SRI Value ²	113

The information reported herein are based upon information reasonably available to Progressive Materials, LLC at the time publication, and are presented in good faith but are not to be construed as warranties or guarantees, expressed or implied.

Contact Progressive Materials for more detailed specifications on our roofing systems and to find a certified contractor near you.



For NSF Protocol P151 installation instructions, please visit:
<http://info.nsf.org/Certified/Protocols/Listings.asp?Company=C0322312&Standard=P151>