



Technical Product Data

HS 3200 Series

High Solids, Low VOC Silicone Roof Coating

BASIC USES & DESCRIPTION:

HS 3200 Series Solvent-Free Silicone Roof Coating is a one-component, moisture curing silicone rubber roof coating system designed for use on existing smooth surface BUR, granulated cap sheet, well-adhered acrylic coating, concrete, metal, sprayed-in-place polyurethane foam and various singly-ply membrane roofing.

The system provides long-term protection because it resists weathering, aging, oxidation, wind-driven sand, rain and snow, the effects of ozone, ultraviolet radiation and the temperature extremes typically found on roofs. With its high solids content and absence of hydrocarbon solvents, HS 3200 Series can be applied in excess of 40 mils in a single coat without blistering, while maintaining maximum adhesion. The HS 3200 Series Solvent Free Roof Coating is available in four standard colors, including:

- ▶ White HS 3201
- ▶ Tan HS 3202
- ▶ Light Gray HS 3200
- ▶ Dark Gray HS 3204
- ▶ Black HS 3208

(Custom colors available upon request at an additional charge)
This product may contribute towards a variety of LEED credit points.

COMPOSITION AND MATERIALS:

HS 3200 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 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:

HS 3200 Series has a recommended shelf life of 24 months from date of manufacture when stored in unopened containers and between 40°F and 80°F. Refer to product packaging.

APPLICATION:

Surfaces to be coated with HS 3200 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.

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PACKAGING SIZES:

HS 3200 Series Silicone Roof Coating is available in 55 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 and 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.

TYPICAL PROPERTIES

As Supplied:		As Cured:	
Appearance:	White, Tan, Light Gray, Dark Gray, Tan, and Black	Durometer Hardness, Shore A, points ASTM D-2240	47
Solids Content, Percent by weight ASTM D-1644:	92 (±3)	Tear resistance ASTM D264	24 lbf/in
		Tensile Strength, psi ASTM D-412	325
Specific Gravity at 25°C (77°F)	1.24	Elongation, percent ASTM D-412	300
Tack-Free Time:	1-2 hrs.	Permeability ¹ , perms ASTM E-96	10.7
Cure Time:	1-4 hrs.	Tensile, Set at 100 percent elongation	Nil
Volatile Organic Compounds:	<50 grams/liter	Temperature Stability Range, °C (°F)	- 37 to 100 (-35 to 212)
Flash Point	141°F	Accelerated Weathering, QUV, 5,000 hours ASTM G 154	No degradation
Solids content by volume ASTM D2697	90 (±3)	Flame Spread ASTM E-108	Class A
		Initial Solar Reflectivity ² , ASTM C-1549	89
		Initial Thermal Emissivity ² , ASTM C-1371	90
120 mils at 38°C (100°F) & 90 percent relative humidity		SRI Value ²	113
² Applies to HS 3201 white only			

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>