

## **PRO**eco sil

### 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 single-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 3203
- Dark Gray     HS 3204

(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 12 months from date of manufacture when stored in unopened caontainers 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.

## Typical Properties

As Supplied:	As Cured:
Appearance.....White, Dark Gray, Light Gray, and Tan	Durometer Hardness, Shore A, points ASTM D-2240.....37
Solids Content,	Tensile Strength, psi ASTM D-412.....247
Percent by volume ASTM D-2369.....92(+/-3)	Elongation, percent ASTM D-412.....237
Specific Gravity, at 25°C (77°F).....1.24	Permeability <sup>1</sup> , perms ASTM E-96.....10.7
Tack-Free Time.....1-2 hrs.	Tensile, Set at 100 percent elongation.....Nil
Cure Time.....1-4 hrs.	Temperature Stability Range, °C (°F)..... - 37 to 100 (-35 to 212)
Volatile Organic Compounds.....<50 grams/liter	Accelerated Weathering, QUV, 5,000 hours
Flash Point.....141°F	ASTM G 154.....No degradation
	Flame Spread ASTM E-108.....Class A
	Initial Solar Reflectivity <sup>2</sup> , ASTM C-1549.....89
	Initial Thermal Emissivity <sup>2</sup> , ASTM C-1371.....90
	SRI Value <sup>2</sup> .....113

<sup>1</sup>20 mils at 38°C (100°F) and 90 percent relative humidity  
<sup>2</sup>Applies to HS 3201 white only

## 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 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.

*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.*