



PROeco sil

HS 3200-HB Series

High Build, High Solids, Low VOC Silicone Roof Coating

Basic Uses & Description:

HS 3200-HB 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-HB Series can be applied in excess of 70 mils in a single coat without blistering, while maintaining maximum adhesion. The HS 3200-HB Series Solvent Free Roof Coating is available in one standard color:

- White HS 3201-HB

(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-HB 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-HB Series has a recommended shelf life of 12 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-HB Series Coating must be properly prepared. All surfaces must be clean, dry and free of loose particles. The coating should be applied by medium nap roller. For small touch-up work, a brush may be used.

Typical Properties

As Supplied:	As Cured:
Appearance.....White	Durometer Hardness, Shore A, points ASTM D-2240.....37
Solids Content,	Tensile Strength, psi ASTM D-412.....350
Percent by volume ASTM D-2369.....95(±2)	Elongation, percent ASTM D-412.....174
Percent by Weight95(±2)	Permeability ¹ , perms ASTM E-96.....10.7
Specific Gravity, at 25°C (77°F).....1.26	Tensile, Set at 100 percent elongation.....Nil
Tack-Free Time.....1-2 hrs.	Temperature Stability Range, °C (°F)..... - 37 to 100 (-35 to 212)
Cure Time.....1-4 hrs.	Accelerated Weathering, QUV, 5,000 hours
Volatile Organic Compounds.....<50 grams/liter	ASTM G 154.....No degradation
Flash Point.....141°F	Flame Spread ASTM E-108.....Class A
<i>¹20 mils at 38°C (100°F) and 90 percent relative humidity</i>	

Packaging Sizes:

HS 3200 Series Silicone Roof Coating is available in 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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