

## **PRO**eco sil

### HS 3230 Series Premium Metallic Silicone

#### 100% Silicone, High Solids Roof Coating Infused with Metallic Pigments

**Basic Uses & Description:**

HS 3230 Series Premium Metallic 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.

HS 3230 series is a premium silicone product that is infused with metallic pigments to enhance reflectivity (as compared to other dark coatings), match metal roof appearance, and improve aesthetics of any roof. The metallic pigments do not impact adhesion or longevity. HS 3230 series is comparable to our HS 3200 Series High Solids Silicone Roof Coating in terms of performance.

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 3230 series is designed to be applied as a top-coat over another silicone coating, either HS 3200 or LS 2200 series. HS 3230 series should not be applied greater than 5 mils so as to allow the metallic pigments to provide maximum reflectivity. Our premium metallic silicone is available in three standard colors:

- Metallic Aluminum    HS 3230
- Metallic Copper        HS 3231
- Metallic Gold            HS 3232

(Custom colors may be available upon request at an additional charge)

*This product may contribute towards a variety of LEED credit points.*

**Composition and Materials:**

HS 3230 Series Metallic 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 3230 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 3230 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 at a thickness no greater than 5 mils. Spray equipment is the recommended application method.

## 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

Metallic Aluminum (HS 3230)	Metallic Copper (HS 3231)	Metallic Gold (HS 3232)
Solids Content, Percent by volume ASTM D-2369...92(+/-3)	Solids Content, Percent by volume ASTM D-2369...95(+/-3)	Solids Content, Percent by volume ASTM D-2369...92(+/-3)
Tack-Free Time.....1-2 hrs	Tack-Free Time.....1-2 hrs	Tack-Free Time.....1-2 hrs
Density.....8.4 g/L	Density.....8.4 g/L	Density.....8.4 g/L
Cure Time.....1-4 hrs	Cure Time.....1-4 hrs	Cure Time.....1-4 hrs
Volatile Organic Compounds.....<50 grams/liter	Volatile Organic Compounds.....<50 grams/liter	Volatile Organic Compounds.....<50 grams/liter
Flash Point.....141° F	Flash Point.....141° F	Flash Point.....141° F
Temperature Stability Range °C (°F)..... -37 to 100 (-35 to 212)	Temperature Stability Range °C (°F)..... -37 to 100 (-35 to 212)	Temperature Stability Range °C (°F)..... -37 to 100 (-35 to 212)

## Packaging Sizes:

HS 3230 Series Metallic Silicone Roof Coating is available in 5 gallon and 55 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 needs to be inspected immediately 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.