



# Silicone Roof Coatings

Extend the Life of your Roof



# Silicone Roof Coatings

## The Intelligent Choice for Premium Roof Protection

**P**olyglass silicone coatings provide a highly-reflective, seamless, flexible and durable solution for roof restoration. Approved for most substrate applications, Polyglass silicone systems will provide the building owner an attractive, cost efficient and warranted option for most roof restoration needs.

Polyglass' silicone roof coatings are part of its KOOL ROOF SOLUTIONS® - offering you long-term solutions to help keep your building cool while being kind to the environment.

Available in either a High Solid PolyBrite® 90 or Solvent-Based PolyBrite® 95 formulation, Polyglass silicone roof coatings offer exceptional physical properties, High UV reflectivity and cool roof compliance:

- California Title 24 Compliant
- Listed with the Cool Roof Rating Council®
- Miami-Dade County Approved
- ENERGY STAR® Rated
- UL® Classified
- Factory Mutual Approved

# Why Use Silicone Coatings?

- Excellent weathering and chemical resistance
- Extend the useful life of the roof
- Improve ponding water protection
- Can reduce energy costs by decreasing roof surface temperatures
- Fungal and algal resistance - even in high temperatures
- NSF approved for rainwater catchment (white only)
- Warranted systems available when applied by a Polyglass Registered Contractor



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YEAR LIMITED WARRANTY



Polyglass Silicone Roof Coatings offer a **complete solution** over various substrates providing for a smooth and monolithic roof system.



## Approved Substrates

(primer may be required):

- BUR / Modified Bitumen
- Single-ply membranes (TPO, EPDM)
- Metal
- Spray Polyurethane Foam
- Concrete

## What makes **Polyglass Silicones** superior?


- Conform to ASTM-D 6694, C1305, UL Classified and FM Approved
- Not adversely affected by ponding water or prolonged rain exposure


# Polyglass Silicone Reflective Coating System

Product	Description
PolyBrite® 90	High Solids Silicone Roof Coating
PolyBrite® 95	Silicone Roof Coating
PolyBrite® 97x	Epoxy Primer (Part A & Part B)
PolyBrite® 78	Rinsable EPDM Primer
PolyBrite® FMT	Field Mix Thickener

Available in two options - PolyBrite® 90, a premium grade high-solids or PolyBrite® 95, a ready to use solvent borne formulation - both are single component, moisture-cured, fluid applied coatings which form a seamless membrane when applied over the entire roof area. These formulations provide crack bridging protection and are resistant to ponding water.



PolyBrite® 90			
	Solar Reflectance	<u>Initial</u>	<u>Weathered</u>
	Thermal Emittance	0.87	0.70
	Solar Reflectance Index (SRI)	0.89	0.90
		110	86
	Rated Product ID Number	0616-0013	
	Licensed Seller ID Number	0616	
	Classification	Field Applied Coating: Silicone	
Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Council procedures			

PolyBrite® 95			
		<u>Initial</u>	<u>Weathered</u>
	Solar Reflectance	0.85	0.66
	Thermal Emittance	0.85	0.90
	Solar Reflectance Index (SRI)	106	80
	Rated Product ID Number	0616-0014	
	Licensed Seller ID Number	0616	
	Classification	Field Applied Coating: Silicone	
Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Council procedures			

# Products to use with PolyBrite® 90 and PolyBrite® 95

## PolyBrite® 97x Epoxy Primer

- Two component, 1 to 1 ratio, water-based epoxy primer which enhances adhesion to a variety of porous and non-porous surfaces
- Adheres well to most surfaces
- Excellent alkali resistance

## PolyBrite® 78 Rinsable EPDM Primer

- Low viscosity, sprayable liquid primer used to pretreat EPDM membranes prior to silicone roof system installation
- Improves adhesion to EPDM for longer roof applications
- User-friendly, neutral PH Formulation
- Non-corrosive



## PolyBrite® FMT - Field Mix Thickener

- When mixed with PolyBrite® silicone roof coatings, the resulting compound can increase the coating's tear strength which allows for excellent vertical hold for most surfaces and various roofing types.
- Applicator can quickly and easily mix this product into PolyBrite® silicone roof coatings using hand tools.
- Applicator can determine desired level of thickness by volume (recommended 20% - 50% by volume).

## Product Approvals





## POLYGLASS QUALITY

Polyglass is committed to providing Kool Roof Solutions® for your cool roofing needs. Our Kool Roof Solutions are proprietary formulations developed in our state-of-the-art laboratories and manufactured with some of the industry's highest quality raw materials. Whether it's our white coatings or modified bitumen membranes, Polyglass is driven to develop advanced energy-saving roofing solutions which deliver long-term value for the building owner.





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