



Silicone Liquid-Applied Roof Membranes

Extend the Life of your Roof



Silicone Liquid-Applied Roof Membranes

The Intelligent Choice for Premium Roof Protection

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

Polyglass' silicones are part of its Kool Roof Solutions™ - offering long-term solutions to help keep your building cool while being kind to the environment.

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

- Can be used to comply with 2016 Title 24 Part 6 Cool Roof Requirements (White only)
- CRRC Listed (White only)
- Miami-Dade County Approved
- ENERGY STAR® Certified (White only)
- UL Classified
- FM Approved
- ASTM D6694 and C1305 Compliant
- NSF Protocol P151 - Health effects from rainwater catchment system components (White Only)
- Florida Building Code
- Texas Department of Insurance

Why Use Silicone Coatings?



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

What makes **Polyglass Silicones** superior?

- Conform to ASTM D6694, C1305, UL Classified and FM Approved
- Not adversely affected by ponding water or prolonged rain exposure*

*Building codes and the National Roofing Contractors Association (NRCA) consider ponding water on any roof undesirable and recommend that all roof systems be designed and built to ensure positive drainage



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, PVC)
- Metal
- Spray Polyurethane Foam
- Concrete

Product Approvals



Polyglass Silicone Reflective Coating System

Product

Description

PolyBrite 90	High Solids Silicone Roof Coating
PolyBrite 95	Silicone Roof Coating
PolyBrite 98	One-part Acrylic Primer/Bleed Blocker
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, liquid-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.



	<u>Initial</u>	<u>Weathered</u>
Solar Reflectance	0.87	0.70
Thermal Emittance	0.89	0.90
Rated Product ID Number	0616-0013	
Licensed Seller ID Number	0616	
Classification	Production Line	

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 Rating Council procedures.



	<u>Initial</u>	<u>Weathered</u>
Solar Reflectance	0.85	0.66
Thermal Emittance	0.85	0.90
Rated Product ID Number	0616-0014	
Licensed Seller ID Number	0616	
Classification	Production Line	

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 Rating Council procedures.

PolyBrite 90

PolyBrite 95

Solar Reflectance Index (SRI) Initial: 110 Weathered: 86

Solar Reflectance Index (SRI) Initial: 106 Weathered: 80

Accessories for use with PolyBrite 90 and PolyBrite 95

PolyBrite 98

One-part Acrylic Primer/Bleed Blocker

- Versatile for a variety of substrates
- Cures to form a tack-free coating
- Low VOC
- Non-flammable
- Rain resistant after 3 hours

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

Rinseable 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, on the job site, using hand tools.
- Applicator can determine desired level of thickness by volume (recommended 20% - 50% by volume).

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 sustainable energy-saving roofing solutions which deliver long-term value for the building owner.





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