



# Silicone Roof Coatings

Extend the Life of your Roof



ROOFING AND WATERPROOFING SYSTEMS  
**POLYGLASS**  
MAPEI GROUP

# Silicone Roof Coatings

## The Intelligent Choice for Premium Roof Protection

Polyglass 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.

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
- CRRC Listed (white only)
- ASTM D6694 and C1305 Compliant
- NSF Protocol P151 Compliant

## Why Use Silicone Coatings?

- California VOC compliant
- Ponding water protection
- Extend the useful life of the roof
- Excellent weathering and chemical resistance
- Reduces 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

## Approved Substrates

(primer may be required)

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






# Polyglass Silicone Reflective Coating System

| Product        | Description                           |
|----------------|---------------------------------------|
| PolyBrite 90.1 | High Solids 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                   |

PolyBrite® 90.1 is a premium grade high-solids, moisture-cured, single component liquid-applied silicone coating which forms a seamless membrane when applied over the entire roof area. This formulation provides crack bridging protection and is resistant to ponding water.



|  |                                      |                                      |                                    |                                    |
|--|--------------------------------------|--------------------------------------|------------------------------------|------------------------------------|
|   | <b>Rated Product ID #: 0616-0030</b> |                                      | <b>PolyBrite 90.1</b>              |                                    |
|  |                                      | Smooth                               |                                    | Rough                              |
|  | <b>Solar Reflectance</b>             | Initial / Aged<br><b>0.89 / 0.73</b> |                                    | Initial / Aged<br><b>Not Rated</b> |
|  | <b>Thermal Emittance</b>             | Initial / Aged<br><b>0.90 / 0.88</b> | Initial / Aged<br><b>Not Rated</b> |                                    |
| <p>The ratings above are subject to CRRC rating program conditions, requirements and limitations. Visit <a href="http://coolroofs.org">coolroofs.org</a> for important information and disclaimers about CRRC rating requirements and limitations. For the purposes of a CRRC rating, a rough substrate is defined as a surface that is equally coarse or coarser than a new (i.e., unweathered) #1 granulated modified bitumen sheet.</p> |                                      |                                      |                                    |                                    |

**Solar Reflectance Index (SRI) – Initial: 113 • Weathered: 90**

## Accessories for use with PolyBrite 90.1

### PolyBrite® 97X Epoxy Primer

PolyBrite 97X is a two component, 1 to 1 ratio, water-based epoxy primer which enhances adhesion to a variety of porous and non-porous substrates.

- Adheres well to most metals, organic polymers, wood, masonry
- Promotes enhanced adhesion of elastomeric silicone materials
- Excellent alkali resistance



### PolyBrite® 78 Rinseable EPDM Primer

PolyBrite 78 is a low viscosity sprayable liquid used to pre-treat an EPDM rubber roof membrane prior to power washing and application of roof coating.

- Improves adhesion to EPDM for longer roof protection
- User friendly neutral PH formulation
- Non-corrosive

Available in 5 gallon jug



### PolyBrite® FMT Field Mix Thickener

PolyBrite FMT is a high-tensile polyethylene fiber for use in the field by the applicator in order to modify thickness thereby enhancing sag resistance properties as well as application of high build applications when used with PolyBrite silicone roof coatings.

- 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
- Can be quickly and easily mixed into PolyBrite silicone roof coatings using hand tools

Available in 5lbs. (2.3KG) Box



### PolyBrite® 98 One-part acrylic primer/bleed blocker for silicone coatings

PolyBrite 98 is a water-based one-part primer/bleed blocker that enhances the adhesion of Polyglass silicone coatings.

- Improves adhesion to galvanized steel, aluminum, granulated mod bit membranes, wood and masonry
- Excellent alkali resistance
- Low VOC



Contact your Polyglass Sales Representative for specifics regarding the use of these primers, as well as suitable substrates, application rates, and associated warranties.

## POLYGLASS QUALITY

Polyglass is committed to providing 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 elastomeric coatings or modified bitumen membranes, Polyglass is driven to develop advanced energy-saving roofing solutions which deliver long-term value for the building owner.



**POLYGLASS U.S.A., Inc.**  
1111 West Newport Center Drive  
Deerfield Beach, FL 33442  
pgmarketing@polyglass.com  
Customer Service: (800) 222-9782  
**polyglass.us**

© 2022 Polyglass U.S.A., Inc. All rights reserved.

All information printed is accurate at the time of publication and may change at any time with or without notice.  
For most up to date information and data, please visit our website at [polyglass.us](http://polyglass.us).