



Polyglass Silicone Roof Coatings

The Latest Advancements in Kool Roof Technology

Polyglass silicone roof coatings are inorganic, moisture-cured coatings that provide a seamless, flexible and durable protective barrier against weather elements.

Polyglass silicone roof coatings provide the building owner with a white, highly reflective roof surface which will provide years of durable, chemical-resistant protection. These products offer the contractor a system of technologically advanced products and specifications which also addresses a multitude of roof repair and restoration challenges, and environmental conditions.

Why Use Silicone Coatings?

- Excellent weathering, dirt and chemical resistance
- Extends the useful life of the roof
- Improves ponding water protection*
- Can reduce energy costs by decreasing roof surface temperature
- Fungal and algal resistant – even in high temperatures
- NSF Protocol P151 – Health effects from rain water catchment system components (white only)
- Warranted systems available when applied by a Polyglass Registered Contractor
- 50 year limited warranty available
- Standard colors are white and kool grey
- Can be sprayed, brushed or roll applied

Approved Substrates (when properly prepared)

- Built-up and modified asphalt roof systems
- Spray Polyurethane foam roof systems (SPUF)
- Most single-ply roof systems (requires primer)
- Most metals
- Concrete

**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.*



**EXCELLENT
CRACK BRIDGING
CAPABILITIES!**





PolyBrite® 90 High Solids Silicone Roof Coating

Available in 5 gallon pails and 50 gallon drums



PolyBrite 90 is a premium grade high solids, single component, moisture cure, fluid applied silicone coating available in white or kool grey, which cures to form a seamless membrane when applied over the entire roof area.

| TYPICAL PHYSICAL PROPERTIES | |
|---------------------------------|------------|
| VOC (gm/l) | < 100 |
| Initial Solar Reflectance Index | 110 |
| Elongation % | 175 +/- 25 |
| Tensile Strength (psi) | 325 +/- 25 |



PolyBrite® 95 Silicone Roof Coating

Available in 5 gallon pails and 50 gallon drums



PolyBrite 95 is a ready-to-use, single component, solvent borne, moisture cure silicone roof coating available in white or kool grey, which cures to form a seamless membrane when applied over the entire roof area.

| TYPICAL PHYSICAL PROPERTIES | |
|---------------------------------|------------|
| VOC (gm/l) | < 250 |
| Initial Solar Reflectance Index | 106 |
| Elongation % | 250 +/- 25 |
| Tensile Strength (psi) | 475 +/- 25 |

PolyBrite 90 and PolyBrite 95

- Meets or exceeds the requirements of ASTM D6694 Standard Specification Liquid-Applied Silicone Coating
- Meets or exceeds the requirements of ASTM C1305 Standard Test Method for Crack Bridging Ability of Liquid Applied Waterproofing Membrane
- NSF Protocol P151 - Health Effects from Rainwater Catchment System Components (white only)
- Meets Cool Roof Rating Council standards for solar reflectance and thermal emittance (white only)
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof requirements (white only)
- ENERGY STAR® Certified



Products to Use With PolyBrite 90 and 95

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



Available in 1 gallon and 5 gallon pails



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 5 gallon pails



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

Available in 5 gallon pails and 55 gallon drums

