

POLYBRITE® QS

QUICK-SETTING PREMIUM GRADE ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

PolyBrite QS is a premium grade water-based elastomeric coating engineered with quick set polymers which provide early-stage resistance to rain and heavy dew exposure. Formulated with advanced acrylic polymers, it creates a seamless, flexible membrane that resists cracking, peeling, and UV degradation while extending the useful life of the roof. Its reflective properties help decrease roof surface temperatures, contributing to reduced energy costs, and its high tensile strength and elongation allow it to accommodate building movement. PolyBrite QS also resists dirt pick-up, fungal and algal growth, and features a low VOC, non-flammable formulation for safer application.

USES

- Suitable for use on various conventional BUR and polymer modified roof membranes with mineral surfacing, sprayed polyurethane foam, most metal roof systems, single-ply membranes (primers or special precautions may be required), concrete, exterior-grade plywood, and rigid coverboards such as DensDeck® and Securock®. A substrate adhesion test is recommended prior to product application.
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces.
- Application of PG 800 emulsion can be a good foundation for this and other Polyglass elastomeric coatings.

FEATURES AND BENEFITS

- Rain resistant in as little as 25 minutes
- Extends the useful life of the roof
- UV resistant
- Decreases roof surface temperature, which can reduce energy costs
- Offers high tensile strength and elongation
- Resistant to dirt pick up and is fungal and algal resistant
- Low VOC and non-flammable

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Viscosity (cP)	28,000 – 58,000	Brookfield® 4d/ 5 RPM/77 °F
Solids Volume (%)	53	ASTM D2697
Solids Weight (%)	63	ASTM D1644
Elongation (%)	150	ASTM D2370
Tensile Strength (psi)	300	ASTM D2370
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Fungi Resistance (pass/fail)	pass	ASTM G21
Tear Resistance (lb/in)	115	ASTM D624
Low Temp Flexibility (1/2" mandrel @ -26 °C) (pass/fail)	pass	ASTM D522B
VOC (g/l)	< 50	Calculated
Weight / gal (lb)	12	ASTM D2939
pH (rating)	> 9	Std Method
Flash Point (°F)	> 212	PMCC



APPLICABLE STANDARDS

- ASTM D6083
- UL Classified – File #R14571
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 110.8 (i)4 (White only)
- CRRCL Listed (White only)
- Texas Department of Insurance
- Florida Building Code
- Miami-Dade County Product Control Approved



PACKAGING

- 5 Gallon (18.9 Liters) Pail
- 55 Gallon (208 Liters) Drum
- 250 Gallon (946 Liters) Tote

COLORS

White, Tan, Kool Grey



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CRRC Rating (White only)

	Rated Product ID #: 0616-0035	
	Smooth	Rough
	Initial / Aged	Initial / Aged
Solar Reflectance	0.86 / 0.78	0.80 / 0.68
Thermal Emittance	0.90 / 0.90	0.91 / 0.91

The ratings above are subject to CRRC rating program conditions, requirements and limitations. Visit coolroofs.org 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) #11 granulated modified bitumen sheet.

Solar Reflectance Index (SRI) Smooth – Initial: 109 • Aged: 98

Solar Reflectance Index (SRI) Rough – Initial: 100 • Aged: 83

APPLICATION INSTRUCTIONS

Surface Preparation:

- All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products. Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants.
- Visually inspect existing roof systems for conditions that may adversely affect adhesion of performance of newly installed products. Repair any visible deficiencies such as splitting, blistering, and buckling with PolyBrite 73 Elastomeric Mastic and PolyBrite Polyester Fabric.
- Repair any metal and non-metal flashings, edges, drains, valleys and through-roof penetrations.
- Do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or Kynar® finishes.
- Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.

Application:

Stir well prior to application. To field tint this product, please use a water-based, exterior-grade pigment.

- Apply with high pressure sprayer for best appearance and coverage, however the product may be applied by roller or brush applications.
- Apply at 24 wet mils (1.5 gallons per 100 square feet) per coat. Typical application conditions require two coats at 24 wet mils per coat. To minimize potential voids or pinholes in coating application, apply second coat perpendicular to the first.
- Allow coating to dry prior to applying second coat.
- Apply only when ambient temperatures are 50 °F and rising. Cold weather could result in uneven application and improper curing of product. Do not apply if there is a threat of inclement weather within 24 hours of application.
- Do not thin product. Do not heat outside of container. Do not apply at temperatures greater than 120 °F.
- When coating newly-applied asphalt emulsion, allow the emulsion to cure. (Normally 5 to 7 days) Follow instructions for PG 800 Asphalt Emulsion.

NOTE: PG 800 is not typically recommended for application in tropical and/or high humidity climates. Contact Polyglass Technical Services for specific coating system recommendations.

- Prior to using this product on new cap sheets (smooth or granulated), it is recommended to wait 30 days for weathering.

Storage and Cleaning:

- Shelf life: Typically 18 months from date of manufacture when properly stored.
- Do not store at temperatures greater than 120 °F. Store 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Do not allow product to freeze. Discard if any degree of freezing would occur. Keep containers covered when not in use.
- Clean equipment and overspray with water. Clean hands with waterless hand cleaner.

For Professional Use Only - Keep out of the reach of children.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.

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Technical Service: (866) 794-9659

Questions? technical@polyglass.com

Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects that result in the material not complying with product specifications for a period of 12 months.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. The product user, and not Polyglass, is responsible for determining the suitability and compatibility of our products for the user's intended use.

For the most current product data and warranty information, visit www.polyglass.us



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