

PG 700-QS

QUICK SETTING HIGH QUALITY ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

PG 700-QS is a high quality water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. In addition to keeping the surface cool, PG 700-QS extends the life cycle of new and existing roof systems, providing protection from ultraviolet sun and other weather exposures. PG 700-QS employs a quick setting polymer which can provide some resistance to early rain exposure.

USES


- Suitable for use on various conventional BUR and polymer modified roof membranes with mineral surfacing, spray polyurethane foam, most metal roof systems, single-ply membranes (primers or special precautions may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck® 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

- Provides some resistance to early rain exposure.
- 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 ± 2	ASTM D2697
Solids Weight (%)	63 ± 2	ASTM D1644
Elongation (%)	150 ± 30	ASTM D2370
Tensile Strength (psi)	300 ± 30	ASTM D2370
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Fungi Resistance (pass/fail)	pass	ASTM G21
Tear Resistance (lbf/in)	115 ± 5	ASTM D624
Low Temp Flexibility (1/2" mandrel @ -26°C) (pass/fail)	pass	ASTM D522
VOC (gm/l)	< 50	Calculated
Weight/gal (lb)	12 ± 0.5	ASTM D2939

 <p>CRRC COOL ROOF RATING COUNCIL RAPID RATINGS</p>	Rated Product ID #: 0616-0035		
		Smooth	Rough
	Solar Reflectance	Initial / Aged 0.86 / 0.78	Initial / Aged 0.80 / 0.76*
	Thermal Emittance	0.90 / 0.90	0.91 / 0.90*
<p>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.</p> <p>*CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally-aged values and will be replaced by the measured three-year naturally-aged values upon completion of the weathering process.</p>			

Solar Reflectance Index (SRI) Smooth – Initial: 109 • Aged: 98
Solar Reflectance Index (SRI) Rough – Initial: 100 • Aged: 95*

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APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D6083 Standard Specification for Liquid Applied Acrylic Coating Used in Roofing
- UL Classified – File #R14571
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 110.8 (j)4
- CRRC 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, Kool Grey, Standard Tan, Light Tan, Sedona Tan, Santa Fe Tan



POLYGLASS



www.polyglass.us

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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 or performance of newly installed products. Repair any visible deficiencies such as splitting, blistering, and buckling with PolyBrite 72 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 gallon 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 overnight 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 1 to 5 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, it is recommended to wait 30 days for weathering.

Storage and Cleaning:

- Shelf life: Typically 18 months from date of manufacture when properly stored.
- Store 24 hours at room temperature prior to application. Do not store at temperatures greater than 120°F.
- 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

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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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