

# POLYBRITE® 70-QS

## QUICK SETTING PREMIUM GRADE ELASTOMERIC ROOF COATING

### PRODUCT DESCRIPTION

PolyBrite 70-QS is a premium grade water-based elastomeric coating available in white or as tinted, which cures to form a seamless membrane when applied over the entire roof area. PolyBrite 70-QS offers the ability to extend the life cycle of new and existing roof systems, in addition to keeping the surface cool, providing protection from ultraviolet sun and other weather exposures. PolyBrite 70-QS employs a quick set polymer which can provide some resistance to early rain exposure.

### USES

- Protect and seal a variety of roof surfaces.
- Suitable for use on various conventional BUR and polymer modified roof membranes with mineral surfacing, sprayed polyurethane foam, most metal roof systems, Thermoplastic and Thermoset single-ply membranes (primers or special precautions may be required), concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck® and Securock®. Use to certain substrates may be limited or require additional work depending on substrate or project conditions.
- Suitable for use on cementitious stucco, EIFS and other masonry surfaces.
- Application of PG 800 emulsion is a good foundation for this and other Polyglass elastomeric coatings.

### FEATURES AND BENEFITS

- PolyBrite 70-QS can provide some resistance to rain after as little as 20 minutes dry time.
- Extends the useful life of the roof.
- Offers excellent resistance to extended exposure to solar ultraviolet energy.
- By decreasing roof surface temperature, PolyBrite 70-QS can reduce energy costs.
- Offers high tensile strength and elongation.
- Resistant to dirt pick up.
- Fungal and algal resistant – even in high temperatures.
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment.

### TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Viscosity (cP)	26,000–58,000	Brookfield® 4d/5 RPM/77°F
Solids Volume (%)	53 ± 2	ASTM D2697
Solids Weight (%)	63 ± 2	ASTM D1644
Elongation (%)	230 +/-30	ASTM D2370
Tensile Strength (psi)	330 +/-30	ASTM D2370
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Fungi Resistance (pass/fail)	pass	ASTM G21
Tear Resistance (lbf/in)	125 ± 5	ASTM D624
Low Temp Flexibility (1/2" mandrel @ -26°C) (pass/fail)	pass	ASTM D522B
VOC (gm/L)	< 50	Std Method
Weight / gal (lb)	11 ± .5	ASTM D2939
pH (rating)	> 9	Std Method
Flash Point (°F)	> 212	PMCC



### APPLICABLE STANDARDS

- California Title 24 Compliant (white only)
- Miami Dade County Approved
- Meets or exceeds the requirements of ASTM D6083 Standard Specification for Liquid Applied Acrylic Coating Used in Roofing
- UL Classified, Class A
- FBC



### PACKAGING

- 4.75 Gallon (18.0 Liters) Pail
- 50 Gallon (189.3 Liters) Drum
- 275 Gallon (1041 Liters) Tote

### COLORS

White and Kool Grey

### POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

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

### CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.  
1111 West Newport Center Drive  
Deerfield Beach, FL 33442

www.polyglass.us

General Line: (888) 410-1375

(954) 233-1330

Customer Service: (800) 222-9782

Technical Service: (866) 802-8017

Questions? pgmarketing@polyglass.com



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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.
- Existing roof systems to be visually inspected 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 72 Elastomeric Mastic and PolyBrite Polyester Fabric.
- Visually inspect all metal and non-metal flashings, edges, drains, valleys and through-roof penetrations and repair as needed by project conditions.
- 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.
- PolyBrite 70-QS is recommended to be applied with high pressure sprayer for best appearance and coverage, however may be applied by roller or brush applications.
- Apply PolyBrite 70-QS at 24 wet mils (1.5 gallon per 100 square feet) per coat. Typical application conditions require PolyBrite 70-QS be applied in two coats at 24 wet mils per coat.
- Allow coating to dry prior to applying second coat.
- To minimize potential voids or pinholes in coating application, apply second coat perpendicular to the first.
- 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 over newly-applied asphalt emulsion, proceed as soon as the emulsion has cured, normally 1 to 5 days (follow instructions for PG 800 Asphalt Emulsion).
- Prior to using this product on new cap sheets (smooth or granulated), it is recommended to wait 30 days for weathering.

#### Storage and Cleaning:

- Product 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.

### WARNING

**Personal Protection** - Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

**Eye Contact** - Immediately flush eyes with water. Get medical attention if irritation persists.

**Waste Disposal** - Empty containers must be disposed of in accordance with local, state and federal regulations.

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

Refer to safety data sheet (SDS) for specific data and handling of our products.

All data furnished refers to standard production using manufacturing 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](http://www.polyglass.us)*

