

POLYBRITE® 71-HS

PREMIUM GRADE ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

PolyBrite 71-HS is a high solids, premium grade water-based elastomeric coating. This proprietary formulation using 100% acrylic resins cures to form a seamless fluid applied roof membrane. PolyBrite 71-HS offers the unique ability to extend the life of a roofing system, lower overall life cycle costs and provide excellent bleed through resistance. When applied in white, PolyBrite 71-HS is highly reflective keeping the roof surface cool and providing protection from UV and other weather exposures.

USES

- Functions as either a base or surface coating.
- Suitable for use on various aged asphalt built-up and polymer modified roof membranes with mineral surfacing, most metal roof systems, single-ply membranes (a primer may be required), concrete, exterior-grade plywood, SPUF, rigid cover boards 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

- Extends the useful life of the roof.
- Resistant to dirt pick up.
- Resistant to asphalt staining, excellent “bleed through” resistance.
- By decreasing roof surface temperature, PolyBrite 71-HS can reduce energy costs.
- Fungal and algal resistant – even in high temperatures
- Offers excellent resistance to extended exposure to solar ultraviolet energy.
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment.
- Offers high tensile strength and elongation.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Fungi Resistance (pass/fail)	pass	ASTM G21
Viscosity (cP)	28,000 - 58,000	Brookfield® 4d/5 RPM/77° F
Weight/gal (lb)	12 +/- .5	ASTM D2939
Solids Weight (%)	70 +/- 2	ASTM D1644
Solids Volume (%)	60 +/- 2	ASTM D2697
VOC (gm/L)	<20	Calculated
pH (rating)	9	Std method
Flash Point (°F)	>212	PMCC



APPLICABLE STANDARDS

- Texas Department of Insurance



PACKAGING

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

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

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

CORPORATE HEADQUARTERS

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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.
- 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 72 Elastomeric Mastic and PolyBrite Polyester Fabric.
- Repair all 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 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.

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 - Rinse immediately with clean water for 15 minutes and seek medical advice.

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

