

POLYBRITE® 71-HS

BLEED BLOCKING PREMIUM 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 smooth and granulated asphalt built-up and granulated polymer modified roof membranes, most metal roof systems, single-ply membranes (a primer may be required), concrete, exterior-grade plywood, SPF, 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.

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
Viscosity (cP)	28,000 – 58,000	Brookfield® 4d/5 RPM/77° F
Solids Volume (%)	60 ± 2	ASTM D2697
Solids Weight (%)	70 ± 2	ASTM D1644
Tensile Strength (psi)	295 ± 50	ASTM D2370
Elongation (%)	285 ± 50	ASTM D2370
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Fungi Resistance (pass/fail)	pass	ASTM G21
VOC (gm/L)	< 20	Calculated
pH (rating)	9	Std method
Flash Point (°F)	> 212	PMCC
Weight/gal (lb)	12 ± 0.5	ASTM D1475

 <p>CRRC COOL ROOF RATING COUNCIL® RAPID RATINGS</p>	Rated Product ID #: 0616-0033	
	Smooth	Rough
Solar Reflectance	Initial / Aged 0.86 / 0.78	Initial / Aged 0.83 / 0.81*
Thermal Emittance	0.89 / 0.89	0.91 / 0.91*
<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: 97

Solar Reflectance Index (SRI) Rough – Initial: 104 • Aged: 101*

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Edition Date: 08/23 • Doc# PolyBrite 71-HS



APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D6083, Type II Standard Specification for Liquid-Applied Acrylic Coating Used in Roofing
- UL Classified - File #R14571
- FM Approved
- ICC ESR-4038
- Meets the requirements of California Energy Commission (CEC) Title 24 Section 110.8 (i)4 (White only)
- 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 and Kool Grey



POLYGLASS®



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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 Premium Grade Elastomeric Flashing Compound or PolyBrite 73 Elastomeric Flashing Compound with StretchSpan Technology™ 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.
- 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 is 18 months if stored in original unopened containers.
- All containers should be sealed when not in use.
- Keep from freezing.
- Store between 40°F and 100°F.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Clean equipment and overspray with water.
- Clean hands with waterless hand cleaner.
- Application tools and equipment can be cleaned with lukewarm water and soap, followed by a rinse of isopropanol, acetone, or Simple Green®. Recirculate through lines and gun until residual coating is removed.
- DO NOT USE MINERAL SPIRITS, XYLENE, TOLUENE, OR VMP & NAPHTHA SOLVENTS.

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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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 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



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