

POLYBRITE® 71

ELASTOMERIC BASE COAT

PRODUCT DESCRIPTION

PolyBrite 71 is a quality grade, water-based elastomeric base coat. This formulation uses 100% acrylic resins cures to form a seamless fluid applied roof membrane. As a base coat, it provides excellent bleed through resistance.

PolyBrite 71 provides protection from UV and other weather exposures.

USES

- Protect and weatherproof a variety of roof surfaces.
- Can be applied over various conventional BUR, modified bitumen with smooth and mineral surfacing, most metal roofs, exterior grade plywood, Single-Ply membranes (primer may be required), rigid cover boards such as Dens-Deck® and Securock®, cementitious stucco and concrete materials. A substrate adhesion test is recommended prior to product application.
- Suitable as a stain blocking coating prior to the application of white surface coatings.

FEATURES AND BENEFITS

- Flexible and durable.
- UV resistant.
- Resistant to asphalt staining and excellent 'bleed blocking' capabilities.
- Will expand and contract with movement of roof surfaces.
- Offer high tensile strength and elongation.
- Low VOC and non-flammable.
- Fungal and Algal resistant, even in high humidity environments.
- Suitable for most surfaces and various roofing types.

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
Elongation (%)	285 ± 50	ASTM D2370
Tensile Strength (psi)	295 ± 50	ASTM D2370
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
Flash Point (°F)	> 212	PMCC

APPLICATION INSTRUCTIONS

Surface Preparation:

- All surfaces to receive flashing must be clean, dry, and free from any foreign matter such as dirt, oils, grease, or other debris that could inhibit adhesion.
- Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminations.
- Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of newly installed products.
- 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 Flashing Compound with StretchSpan Technology™ and PolyBrite Polyester Fabric.
- 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.



APPLICABLE STANDARDS

- UL Classified – File #R14571
- FM Approved
- ICC-ESR-4038



PACKAGING

- 5 Gallon (18.9 Liters) Pail
- 55 Gallon (208.1 Liters) Drum
- 250 Gallon (945 Liters) Tote

COLORS

Kool Grey



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Application:

- Stir well prior to application.
- Apply with a high-pressure sprayer for best appearance and coverage, however the product may be applied by roller or brush applications.
- Apply PolyBrite 71 at 24 wet mils (1.5 gallon per 100 square feet) per coat.
- Prior to using this product on new cap sheets (smooth or granulated), it is recommended to wait 30 days for weathering.
- Apply only when ambient temperatures are 50°F and rising. Cold weather could result in uneven application and improper curing of the product.
- Do not apply if inclement weather is expected within 24 hours of application.
- Do not thin product. Do not apply at temperatures greater than 120°F.

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

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