

# POLYBRITE® 72

## PREMIUM GRADE ELASTOMERIC FLASHING COMPOUND

### PRODUCT DESCRIPTION

PolyBrite 72 is a premium-grade white water-based elastomeric mastic which cures to form a seamless membrane when applied to an acceptable substrate. PolyBrite 72 is designed for use at various flashing and detail conditions when installing Polyglass' elastomeric coating systems. PolyBrite 72 offers excellent adhesion, flexibility and resistance to ultraviolet degradation.

### USES

- Suitable for use as a mastic-grade sealant for flashings and miscellaneous details on various roof surfaces and substrates.
- Designed for superior performance on metal roofing and concrete. Recommended for use to seal joints, seams, through-roof penetrations and fastener heads. Contact Polyglass Technical Services for clarification of unusual surfaces or project conditions.

### FEATURES AND BENEFITS

- Flexible, will expand and contract with movement of roof surfaces.
- Strength, provides a permanent waterproof seal at flashing details and fastener heads.
- Versatile, suitable for most surfaces and various roofing types.
- Stable, no migration of plasticizers and oils that can migrate and inhibit adhesion and product performance.

### TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Accelerated Weathering @ 1000 hr (pass/fail)	pass	ASTM D4798
Solar Reflectance (%)	80	ASTM C1549
Fungi Resistance (pass/fail)	pass	ASTM G21
Elongation (%)	150 ± 50	ASTM D2370
Tensile Strength (psi)	200 ± 50	ASTM D2370
Flexibility @ 15°F mandrel (pass/fail)	pass	ASTM D522B
Viscosity (cP)	> 125,000	Brookfield® 4d/5 RPM/77° F
Weight/gal (lb)	11 ± 5	ASTM D2939
Solids Weight (%)	> 60	ASTM D1644
Solids Volume (%)	> 50	ASTM D2697
VOC (gm/L)	< 50	Std method
pH (rating)	> 9	Std method
Flash Point (°F)	> 212	PMCC
Coverage Rate (gal/100 sq ft)	8	Polyglass U.S.A.

### 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.



### APPLICABLE STANDARDS

- Florida Building Code



### PACKAGING

- 1.8 Gallon (6.8 Liters) Pail

### MANUFACTURING FACILITIES

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

### CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.  
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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?** [technical@polyglass.com](mailto:technical@polyglass.com)

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.



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- 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 all products well prior to application.
- Apply PolyBrite 72 at 1/8" thick uniform application using a paint brush, trowel, putty knife or bulk sealant gun (Albion® DL-45-01 or equivalent) for larger installations.
- Apply PolyBrite 72 Flashing Compound to all laps, cracks or breaks in the surface condition extending a minimum of 2 inches on each side. Embed and back brush a single layer of PolyBrite Polyester Fabric to fully wet the fabric into the initial layer of mastic. Follow with a second equal application of PolyBrite 72 and feather to limit excessive build-up of materials.
- Curing of PolyBrite 72 will vary due to wet film thickness, ambient temperature, humidity and other climatic conditions. For best results, it is recommended to allow an overnight curing before the application of subsequent materials.
- 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 inclement weather is expected 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.

### 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](http://www.polyglass.us)**



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