

# POLYBRITE® 97X

## EPOXY PRIMER

### PRODUCT DESCRIPTION

PolyBrite 97X is a two component, 1 to 1 ratio, water-based epoxy primer which enhances adhesion to a variety of porous and non-porous substrates.

### USES

- Adheres well to most metals, organic polymers, wood and masonry.
- Contact Polyglass Technical Services for clarification of unusual surfaces or project conditions.
- Enhances the adhesion of elastomeric silicone materials.
- Excellent Alkali Resistance.

### FEATURES AND BENEFITS

- Versatile primer for a wide variety of substrate conditions.
- Cures to form a hard lusterless coating.
- Low VOC.
- Non-Flammable.

### TYPICAL PHYSICAL PROPERTIES

| TEST PROPERTY                             | TEST VALUE  | TEST PROCEDURE |
|---|-------------|----------------|
| Weight/gal (As mixed A+B)(lb)             | 11.7        | ASTM D2939     |
| Solids Weight (%)                         | 60% +/- 2   | ASTM D1644     |
| Solids Volume (%)                         | 42.5% +/- 2 | ASTM D2697     |
| Temperature Limit for Normal Service (°F) | -40 to 180  |                |
| VOC (As mixed A+B)(gm/l)                  | <55         | Calculated     |
| Flash Point (°F)                          | 212         | PMCC           |

### 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, surfaces previously covered with coal tar based products or Kynar® finishes.
- Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.

#### Mixing Procedure:

- Color: Part A is White. Part B is Black to Dark Grey. The combined product is Medium Grey.
- PolyBrite 97X is a two component material and must be properly mixed prior to application. The two components are packaged in the correct proportions (1 part by volume of Part A to 1 part by volume of Part B).
- Mix each A & B component individually, then combine A & B and mix thoroughly. Power mixing is recommended with max 375 RPM drill. Part A is a slurry liquid, with settling properties. Part B is a viscous liquid.
- Applications for smoother surface substrates, diluting of the PolyBrite 97X is acceptable. Dilution is best achieved by taking 2.5 gal of the Part B adding 32 oz. of potable water and mix until uniform and add 2.5 gal of Part A until uniform. Finished mixture will be more easily applied by spray application. Mixing is recommended with a Jiffy Mixing Paddle or similar paddle design.



### APPLICABLE STANDARDS

- Texas Department of Insurance
- Factory Mutual Approved
- Florida building Code Approved
- Miami Dade County Approved



### PACKAGING

- 5 Gallon (18.9 Liters) Pail Part A (white)
- 5 Gallon (18.9 Liters) Pail Part B (dark grey)

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

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

### CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.  
1111 West Newport Center Drive  
Deerfield Beach, FL 33442  
[www.polyglass.us](http://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 in its material that result in the product not complying with product specifications for a period of 12 months.

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### Application:

- PolyBrite 97X may be applied by high pressure sprayer, roller, or brush application methods. Use long nap (¾" to 1") rollers when PolyBrite 97X Epoxy Primer is used as block filler for porous concrete. If blowholes form as the primer dries, make second pass with a relatively dry roller. Allow 8 to 10 minutes between passes. For application to smooth surfaces, add up to one pint of water per gallon of PolyBrite 97X Epoxy Primer. Use a ¼" or ⅜" nap roller or nylon brush.
- Typical coverage rate varies from 75 to 300 square feet per gallon.

| SURFACE             | COVERAGE            |
|---------------------|---------------------|
| Smooth Asphalt      | ⅔ – 1 gal per sq.   |
| Smooth Modified     | ⅔ – 1 gal per sq.   |
| Granulated Modified | 1 – 1 ⅓ gal per sq. |
| Concrete            | ½ – ⅔ gal per sq.   |
| Smooth Single Ply   | ⅓ gal per sq.       |

| AIRLESS SPRAYER (Pump Min. Specification)                                     |
|---|
| 1,500 – 2,000 psi   |
| 1 gal per minute  |
| Contractor Gun w/RAC SwitchTip & Guard  |
| .019 to .025 tip size depending upon length of hose & spray pattern developed |

- Consult Polyglass Technical Services for application rates for specific roof substrates and for job specific application specifications.
- Porous surfaces will require additional primer. Excessive primer will reduce adhesion strength.
- Most coatings can be applied over PolyBrite 97X Epoxy Primer as soon as it is thoroughly set. This degree of dryness is normally achieved in two to three hours (dependent upon temperature and humidity).
- Pot life is 2 hours at 75°F. This can be extended to 3 hours by thinning with 5% water to achieve the original consistency. Pot life at 55° F is doubled, however at 100° F it is reduced to 45 minutes or less.
- It is very important that this product is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. We also do not recommend application of this product if rain or dew is likely to occur before curing of product. Cold weather could result in uneven application and improper curing of product.
- Do not apply if there is a threat of inclement weather. Drying time is dependent on temperature and humidity.
- Do not apply when temperatures exceed 130° F.
- Do not thin product (except as mentioned under Mixing Procedure).
- Do not use on copper or silver.

### Storage and Cleaning:

- Product shelf life: 12 months from date of manufacture when properly stored.
- Store at temperatures between 45°F and 75°F.
- Protect from freezing
- Store 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Keep containers covered when not in use.
- Clean up with water supplemented with soap or a small quantity of vinegar. MEK is recommended for both cleaning and drying spray equipment in order to avoid corrosion. (Make sure hoses are solvent resistant).

## WARNING

**Safety Precautions** - This product is designed for professional installation. Caution should be exercised to prevent mishap due to improper handling. The use of an appropriate MESA/NIOSH approved respirator during application is important. We also recommend the use of fabric coveralls and neoprene or other resistant gloves. Installers should use caution during spray processes to avoid falls caused by slipping on wet primer. Installers should read and understand all technical and informational literature on this product, including the Safety Data Sheet, prior to using this product.

**Eye Contact** - Flush eyes with water while lifting the upper and lower lids and seek medical advice.

**Toxicity** - Part B contains a polyamide resin, which is non-sensitizing, however, care should be taken to thoroughly clean with soap and water any skin areas that are contacted by PolyBrite 97X Epoxy Primer. Undiluted vinegar is very effective in neutralizing coating that contacts the skin. If the coating should get in the eye, flush with water and call a physician. See SDS for complete details.

**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.

This product is not recommended for interior use.

Refer to 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)**