

# POLYBRITE® 745

## WATER-BASED PRIMER / ADHESIVE

### PRODUCT DESCRIPTION

PolyBrite 745 is a low-VOC, stain blocking acrylic primer formulated to enhance the adhesion of acrylic roof coatings to a variety of substrates. The thin solution penetrates porous surfaces and dries quickly. Use PolyBrite 745 to adhere reinforcing fabrics and act as a bleed blocking primer in one single step.

### USES

Suitable for use over substrates such as modified bitumen granulated cap sheets, asphalt built-up roofing, masonry, wood, concrete or previously coated surfaces. Contact Polyglass Technical Services for other substrates and conditions not listed.

### FEATURES AND BENEFITS

- Designed for use as a surface primer for both horizontal and vertical surfaces.
- Promotes enhanced adhesion of acrylic elastomeric materials.
- Ideal primer for use with Polyglass® self-adhered cap sheets.
- Stain blocker.
- Primer and fabric reinforcement adhesive in one product.

### TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Weight/gal (lb)	9 ±.5	ASTM D2939
Solids Weight (%)	41 ± 1	ASTM D1644
Flash Point (°F)	> 212	PMCC
VOC (gm/l)	< 50	Std Method
Viscosity (cP)	10,000–18,000	ASTM D2196
Viscosity (ku)	80.00–90.00	ASTM D562

### APPLICATION INSTRUCTIONS

#### Surface Preparation:

- Surfaces to receive primer must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could adversely affect the primer to surface adhesion.
- PolyBrite 745 can enhance adhesion to most surfaces. However, do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or silicone finishes. If there are questions with regards to substrate suitability, please contact Polyglass Technical Services.
- Check all flashings, edges, drains, valleys and vents, and repair as needed.

#### Application:

- Mix well prior to application.
- Application Rate: Apply approximately 1 U.S. gal. (16 wet mils) per 100–300 sq. ft. for most applications. Actual rate may vary depending on product application and surface conditions.
- PolyBrite 745 may be applied by high-pressure and low-pressure spray equipment. Smaller work areas can be accomplished with medium nap roller or a brush.
- To improve adhesion, allow drying until dry to the touch. Drying times will vary depending on application rate, porosity of surface, temperature and humidity. Maximum wait time from initial application is 72 hours. Do not apply if there is a threat of inclement weather or contaminates that would affect adhesion of subsequent products.
- When utilizing PolyBrite 745 to embed reinforcing fabric, first apply PolyBrite 745 to a small section of the roof where the fabric reinforcement will begin. Embed and encapsulate the end of the fabric roll so that it is anchored at that point. Roll out approximately 4 feet of fabric at a time and apply PolyBrite 745 evenly over the top side at the rate of 2 to 3 gallons per 100 sq. ft. allowing the fabric to completely saturate and follow the surface form and features.



### APPLICABLE STANDARDS

- Florida Building Code
- Miami-Dade County Product Control Approved



MIAMI-DADE COUNTY  
APPROVED

### PACKAGING

- 4.75 Gallon (17.9 Liters) Pail
- 50 Gallon (189 Liters) Drum
- 275 Gallon (1039.5 Liters) Tote

### COLOR

Electric Blue



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### Spray Equipment:

PolyBrite 745 can be applied by conventional airless spray equipment designed for the purposes of field application of fluids, paints and coatings. The following minimums are recommended:

**Pump:** 1.6 gal/min output; 2,500 psi

**Gun/Tip:** Airless hand gun. Reversible tip with orifice sizes ranging from .019-.025 and a fan angle of 40° or 50°.

**Hose:** Minimum inside diameter of high pressure nylon hose of 3/8" to 7/5"; 1/2" to 200'. For any hose over 200' the inside diameter should be 5/8" to 3/4".

Refer to equipment manufacturer product guidelines.

### 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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[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)

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