

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 pores and dries quickly.

It can also be used to penetrate and adhere reinforcement fabrics when required.

USES

Suitable for use over substrates such as modified bitumen granulated cap sheets, BUR, 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® cap sheets.
- Stain blocker.

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. 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 12 hours. Do not apply if there is a threat of inclement weather or contaminants that would affect adhesion of subsequent products.



PACKAGING

- 4.75 Gallon (17.9 Liters) Pail
- 50 Gallon (189 Liters) Drum

STANDARD COLOR

- Electric Blue

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

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

CORPORATE HEADQUARTERS

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Questions? 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 product that result in the product not complying with product specifications for a period of 12 months.



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- 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.

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 75'; 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:

- Product shelf life: Typically 18 months from date of manufacture when properly stored.
- Do not store at temperatures greater than 120°F.
- Store 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Do not allow product to freeze. Discard if any degree of freezing would occur.
- Keep containers covered when not in use.
- Clean equipment and overspray with water.
- Clean hands with waterless hand cleaner.

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 - Immediately flush eyes with water. Get medical attention if irritation persists.

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

