

POLYBRITE® 780

EPOXY PRIMER / SEALER

PRODUCT DESCRIPTION

PolyBrite 780 is a black, water-based epoxy primer/sealer designed to increase the bond of Polyglass acrylic elastomeric coatings and spray polyurethane foam (SPUF) to a wide variety of roofing substrates. It develops a tenacious bond to wood, concrete, fiberglass, steel, aluminum, and galvanized surfaces.

USES

- Effective for increasing the adhesion on existing smooth surfaced modified and built-up roofing substrates prior to protective coating applications and spray polyurethane foam (SPUF) such as Polyglass PolyPUF.
- Utilized as a primer beneath sprayed-in-place polyurethane foam roofing.

FEATURES AND BENEFITS

- The black surface absorbs the sun's radiant heat which helps achieve the maximum yield of the sprayed polyurethane.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Weight/gal (lb)	8.3 ± 0.5	ASTM D2939
Solids Volume (%)	13 ± 2	ASTM D2697
Solids Weight (%)	15 ± 2	ASTM D1644
VOC (gm/l)	< 30	Calculated

APPLICATION INSTRUCTIONS

Surface Preparation:

- All surfaces shall be clean and free of dirt, dust, grease, oil, or any other foreign contaminants. On new concrete roofing substrates, the surface shall not contain any curing compounds, form release agents or laitance materials prior to the application of the product. If these conditions exist, do not apply primer until all compounds have been removed. Mechanical abrasion may be necessary in preparation of the surface.
- When applying PolyBrite 780 over fiberglass surfaces, it is recommended to scuff-sand the area prior to priming. Metal and steel surfaces shall always be free of rust or oily residues. Existing built-up and sprayed polyurethane foam roofing substrates shall be pressure washed cleaned to ensure all surface oxidation is removed. Always rinse thoroughly with clean water to ensure no traces of cleaner residue is left on the surface, and allow to dry.

Application:

- PolyBrite 780 requires no thinning and can be applied by utilizing brush, roller, and conventional/airless spray equipment. When applying the product with brush or rollers, ensure material is kept to a thin application rate as it is not intended nor designed for high film build applications. Coverage rates will always vary depending upon surface porosity, and type of substrate being primed. PolyBrite 780 must always be topcoated within 48 hours to ensure optimal adhesion. The following are approximate application rates only:
 - Wood: 300 ft² per gallon
 - Concrete: 250–300 ft² per gallon
 - Fiberglass: 300–400 ft² per gallon
 - Metal: 300–400 ft² per gallon
 - Recoats: 350–450 ft² per gallon
- For projects subject to unusual application conditions, consult Polyglass' Technical Department for recommendations
- Dry time to touch: 30 minutes @ 75°F
- Cure time: 8 hours @ 75°F
- Recoating: Time will vary from 2–8 hours depending upon ambient conditions



PACKAGING

- 4.75 Gallon (17.9 Liters) Pail
- 50 Gallon (189.3 Liters) Drum

COLORS

Black



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Spray Equipment:

PolyBrite 780 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 gal/min output; 2,000 psi

Gun/Tip: Airless hand gun. Reversible tip with orifice sizes ranging from .015-.027.

Hose: Minimum inside diameter of high pressure nylon hose of 3/8" to 7/5"; 1/2" to 200'.

Refer to equipment manufacturer product guidelines.

Storage and Cleaning:

- Product shelf life: Typically 12 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.

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