

# POLYGLASS® PMMA CONCRETE/WOOD PRIMER

## TWO-COMPONENT CONCRETE AND WOOD PRIMER

### PRODUCT DESCRIPTION

Polyglass PMMA Concrete/Wood Primer is a high-performance thixotropic poly methyl-methacrylate (PMMA) two-component, rapid-curing, resin primer. It has been formulated specifically for concrete and wood substrates.

### WHERE TO USE

- May be used for a variety of new construction, refurbishment, recovery roofing and waterproofing applications.
- Flashing system
- Pedestrian decks
- Parking structures

### FEATURES AND BENEFITS

- Promotes the adhesion of Polyglass PMMA Resins to concrete and wood surfaces.

### SUITABLE SUBSTRATES

- Concrete
- Exterior grade plywood
- Masonry

### THICKNESS AND RECOMMENDED YIELD

Smooth substrates: 0.082 lb./sf (0.4 kg/m<sup>2</sup>)

Fine grained substrates: 0.101 lb./sf (0.5 kg/m<sup>2</sup>)

Rough substrates: 0.163 lb./sf (0.8 kg/m<sup>2</sup>)

Gross yield: 22 pound (10 kg) unit: 269 Sq. Ft. (25 m<sup>2</sup>) @ 0.4 kg/m<sup>2</sup>

See recommendations for specific applications. Yields will vary depending upon system selected and the smoothness and absorbency of substrate.

### APPLICATION INSTRUCTIONS

#### Surface Preparation:

All substrates must be clean, dry, free of oil, grease, curing compounds, release agents, laitance, gross irregularities, loose, unsound or foreign material such as moss, algae growth, dirt, ice, snow, water or any other condition that would be detrimental to adhesion of resin to the substrate. Mask perimeter and top edge of the area to be primed and flashed to provide clean lines and prevent over-painting of resins. Remove and re-apply masking before resin cures and as required between coats. Apply Polyglass primer to substrate as required.

Contact Polyglass Technical Department for recommendations regarding specific applications.

#### Application:

Thoroughly mix the entire drum of resin for 2–3 minutes before each use, and prior to pouring off resin into a second container if batch mixing. Catalyze only the amount of material that can be used within 10–15 minutes. Add pre-measured catalyst to the resin component, stir for 2 minutes using a slow-speed mechanical agitator or stirring stick and apply to substrate. The amount of catalyst added is based on the weight of the resin used.

#### Catalyst Required Per 2.2 Pounds of Resin Used

6% Catalyst 37°F to 50°F (3°C to 10°C)		4% Catalyst 50°F to 68°F (10°C to 20°C)		2% Catalyst 68°F to 95°F (20°C to 35°C)	
OZ.	LB.	OZ.	LB.	OZ.	LB.
2.11	0.132	1.41	0.088	0.71	0.04



### PACKAGING

- Metal Pails: 22 pounds (10 kg)

### COLORS

White

### POLYGLASS PMMA SYSTEM COMPATIBLE COMPONENTS

- Polyglass PMMA Resin
- Polyglass PMMA Catalyst Powder
- Polyglass PMMA Filler
- Polyglass PMMA Flashing
- Polyglass PMMA Reinforced Flashing
- Polyglass PMMA LTS Surface Finish
- Polyglass PMMA Cleaner



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After mixing, apply resin to clean and prepared substrate at the required consumption using Polyglass approved rollers or brushes. The resin should be spread evenly onto the surface. See individual system specifications for specific guidelines regarding application of primer, membrane, topcoat and/or surfacing.

**Note:** The clean and fully cured primer can be coated after a minimum of approximately 30–45 minutes up to a maximum of 6 months. If the surface of the primer becomes dirty or contaminated or left exposed to the elements for more than 12 hours, thoroughly clean the in-place and cured primer with Polyglass PMMA Cleaner. Polyglass PMMA Cleaner should be allowed a minimum of 20 minutes evaporation time after application, and over-coated within 60 minutes of application.

This product is recommended for use at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C).

### Working Times (at 68°F (20°C):

- Pot Life: approx. 10–15 minutes
- Rainproof: approx. 30 minutes
- Next Coat: approx. 30 minutes
- Fully Cured: approx. 2 hours

The times noted above are approximate, provided as a guideline, and may vary. Actual set times and cure should be established in the field based on actual field conditions.

### Shelf Life:

Shelf life is 6 months from the ship date when sealed, unmixed and with proper storage.

### Limitations:

- Once the resin is mixed with catalyst the product must be used immediately.
- Not approved for use with potable water.
- Do not thin.
- Do not apply to frozen or wet surfaces.
- Do not apply on exterior surfaces when there is a threat of inclement weather.
- Requires adequate ventilation.

### Handling:

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application.

Refer to product Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Approximate shelf life is 6 months when left sealed, unmixed and with proper storage.

When work is interrupted or completed, tools must be thoroughly cleaned with Polyglass PMMA Cleaner before the resin hardens.

Catalyzed and cured resin may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product workers must use butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, become irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

**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

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**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)**



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