# POLYGLASS® PMMA MORTAR
## LEVELING AND PROTECTION COMPOUND

### PRODUCT DESCRIPTION

Polyglass PMMA Mortar is a trowel applied resin-mortar used as a thick coating system for interior and exterior un-reinforced waterproofing and surfacing systems. Polyglass PMMA Mortar is also used as a traffic surfacing applied over Polyglass PMMA reinforced waterproofing membranes.

### WHERE TO USE

- Roofs
- Balconies
- Walkways
- Traffic areas

### FEATURES AND BENEFITS

- Easy to use.
- Flexible – will expand and contract with movement of surfaces.
- Versatile – suitable for most surfaces.

### SUITABLE SUBSTRATES

- Most Roof Systems
- Concrete
- Cement boards
- Plywood

### THICKNESS AND RECOMMENDED YIELD

Standard applications: 33 lbs/100 ft² (33 kg/3.7 m²) per container.

As a substrate repair material, Polyglass PMMA Mortar may be applied up to a maximum depth of ⅜ inch (9.5 mm) per lift.

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

### APPLICATION INSTRUCTIONS

#### Application Conditions:

The product can be applied at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C)

#### Mixing & Catalyzing:

Thoroughly mix the entire drum for 2–3 minutes using a slow-speed twin-paddle mechanical agitator until achieving a smooth lump-free consistency assuring all material from the container sides and bottom are mixed-in. Catalyze only the amount of material that can be placed within 10–15 minutes. Thoroughly mix catalyst into resin-mortar for 2 minutes at temperatures above 50°F (10°C) and 4 minutes at temperatures below 50°F (10°C). Remix un-catalyzed resin-mortar before each use, and prior to pouring off into a second container if batch mixing.

| Catalyst Required Per 33 lbs (15 kg) Batch (Entire Container) | | | | | |
|---|---|---|---|---|---|
| 2% Catalyst<br>37°F to 50°F<br>(3°C to 10°C) | | ~1.33% Catalyst<br>50°F to 68°F<br>(10°C to 20°C) | | ~0.66% Catalyst<br>68°F to 95°F<br>(20°C to 35°C) | |
| oz | g | oz | g | oz | g |
| 10.6 | 300 | 7 | 200 | 3.5 | 100 |

#### Working Times at 68°F (20°C):

- Pot life: approximately 15 minutes
- Rainproof: approximately 30 minutes
- Next Coat: approximately 1 hour
- Fully Cured: approximately 3 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.

### APPLICABLE STANDARDS

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

### PACKAGING

- Metal Pails: 33 pounds (15 kg)

### COLORS

- Light Grey (RAL 7032)

### POLYGLASS PMMA RESIN SYSTEM COMPATIBLE COMPONENTS

- Polyglass PMMA Resin
- Polyglass PMMA Flashing
- Polyglass PMMA Catalyst Powder
- Polyglass PMMA Flexible Primer
- Polyglass PMMA Concrete & Wood Primer
- Polyglass PMMA Metal Primer

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### 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. Apply Polyglass primer to substrate as required. Contact Polyglass Technical Department for recommendations regarding specific applications.

### Application:

Tape out area of work in a checkerboard fashion using duct tape or fiber reinforced masking tape.

After mixing, apply Polyglass PMMA Mortar to clean, prepared and primed substrate at the required consumption using recommended v-notch trowel. The resin should be spread evenly onto the surface at a uniform depth. Smooth and even-out resin immediately by rolling with an approved spiked roller. Before resin begins to cure, remove all masking tape. See individual system specifications for specific guidelines regarding application of additional topcoats.

### Substrate Repairs:

Polyglass PMMA Mortar may be used for substrate repairs. Place catalyzed mortar in lifts no greater than the maximum thicknesses indicated. Trowel into place and allow to harden. If additional lifts will be required, broadcast top surface of the placed resin with kiln-dried quartz silica (0.2 – 0.6 mm) while the resin is wet. Place next lift once the resin has cured. For leveling and smoothing applications, spread and plane the resin-mortar with a squeegee and trowel to achieve a flat surface. Patching, repairing, and filling cavities is achieved with resin and trowel for a flat surface.

### Surfacing:

Polyglass PMMA Mortar accepts a wide variety of topcoats for aesthetic or mechanical wear. See individual system specifications for specific guidelines regarding application of topcoats and/or surfacing.

### Tool Cleaning:

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

### Safety Recommendations:

Refer to product Safety Data Sheet (SDS) prior to use or handling.

### Storage:

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 12 months when left sealed, unmixed and with proper storage.

### Disposal:

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.

### 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.

### Personal Protection Equipment:

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 shield are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain work 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 requirement under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dust mask are 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

**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***

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