

1. PRODUCT NAME

AQUA-GEM

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

AQUA-GEM is a water-based epoxy coating specially formulated for use as a surface primer for seamless flooring applications to provide superior adhesion of epoxy and urethane top-coats. AQUA-GEM is an easy to mix 2 to 1 by volume ratio. AQUA-GEM is ideal for damp and porous concrete surfaces. AQUA-GEM is resistant to most chemicals and solvents. AQUA-GEM can be pigmented for color coating of surfaces.

Advantages

- Moisture tolerant formula.
- No VOC's or Solvents
- Tough and Durable surface
- Chemical and Solvent Resistant

Uses

For coating and sealing concrete, wood, metal and fiberglass surfaces to provide a secure surface for top coating. AQUA-GEM is ideal for use for:

- Quartz & Flake Broadcast Flooring
- Top Coat/Clear Coats
- Crack Healing/Sealing
- Exposed Aggregate Resurfacers
- Waterproofing Concrete Block

4. APPLICATION INSTRUCTIONS

- 1) AQUA-GEM can be applied by squeegee, brush, roller or spraying.
- 2) Clean surface by shotblasting or sanding to provide clean and open surface.
- 3) Thoroughly mix measured amounts of 1 part of Part-A Resin with 2 parts of Part-B Hardener by volume until streak free. Scrape side and bottom of pail frequently during mixing to insure a good mix. Mix only enough that can be applied in 45 minutes.
- 4) Spread mixed epoxy with squeegee and back roll with a 3'8" nap roller until spread evenly onto the surface. Back-roll two times in a perpendicular

directions and take care to avoid puddles or "dry spots" for best results.

Consult Polygem for additional technical instructions for quartz broadcast.

Packaging

AQUA-GEM is available in 3 kit sizes:
1.5 Gallon Kits, 3 Gallon Kits and 15 Gallon Kits.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 24 months.

Limitations

- Not for use on contaminated or oily surfaces.
- Do not install when surface temperature is below 60°F (7°C) or above 85°F (32°C).
- During damp and/or cool conditions epoxy will cure slower and protect finished work from traffic until fully cured.

Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- AQUA-GEM may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

5. TECHNICAL DATA

Performance Properties
Test/Test Method Results

| | |
|------------------------------|-------------|
| Pot Life @ 77°F (100 gms) | 50 mins. |
| Thin Film Set-Time @ 77°F | 6 hours |
| Re-coat Time | 4-5 hours |
| Ready for Light Foot Traffic | 12 hours |
| Hardness | 75+ Shore D |
| VOC | 0 % |
| Elongation ASTM D-638 | 4.3% min. |
| Mix ratio by volume | B/A 2:1 |
| Mixed Viscosity | 1300 cps |
| Color Mixed | Milky |
| Color Cured | Clear |

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem's directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc.'s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.

Aqua Gem 9/5/03

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