

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 topcoats.

AQUA GEM is an easy to mix by volume ratio. Ideal for damp and porous concrete surfaces. resistant to most chemicals and solvents. 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

- Quartz & Flake Broadcast Flooring
- Topcoat/Clear Coats
- Crack Healing/Sealing
- Exposed Aggregate Resurfacing
- Waterproofing Concrete Block

4. APPLICATION INSTRUCTIONS

1. AQUA GEM can be applied by squeegee and roller, brush, or spraying.
2. Clean surface by shotblasting or grinding 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 25 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 perpendicular directions and take care to avoid puddles or "dry spots" for best results

Consult Polygem for additional technical instructions for quartz broadcast.

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.

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Data sheets are subject to change without notice.

Packaging

1.5 Gal, 3 Gal and 15 Gal Kits.

Shelf Life

Unopened containers are guaranteed for 1 year. Store in temperatures between 60°-80° F. Storing above 85° will reduce shelf life. Keep from freezing.

Limitations

Not for use on contaminated or oily surfaces. Do not install when surface temperature is below 60°F or above 85°F. 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

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