

#287 Aqua-Seal

WATER BASED EPOXY PRIMER/SEALER

Data Sheet C-17

1. PRODUCT NAME

#287 Aqua-Seal

2. MANUFACTURER

Polygem, Inc.
1105 Carolina Drive
West Chicago, IL 60185
Telephone: (630) 231-5600
FAX: (630) 231-5604
Internet: www.polygem.com

3. PRODUCT DESCRIPTION

#287 Aqua-Seal is a water-based epoxy sealer/primer specially formulated for use as a surface primer for seamless flooring applications to provide superior adhesion of epoxy, urethane, and cementitious top-coats. #287 Aqua-Seal deeply penetrates concrete surfaces to provide a permanent and tenacious bond. #287 Aqua-Seal is ideal for use on damp and porous concrete surfaces. #287 Aqua-Seal is resistant to most chemicals and solvents.

Advantages

- Moisture tolerant formula.
- No VOC's or Solvents
- 100% solids
- Chemical and Solvent Resistant

Uses

For coating and sealing concrete, wood, metal and fiberglass surfaces to provide a secure surface for top coating. #287 Aqua-Seal 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) #287 Aqua-Seal can be applied by squeegee, brush, roller or spraying.
- 2) Clean surface by shot blasting or sanding to provide clean and open surface.
- 3) Thoroughly mix entire contents of Part-A Resin with Part-B Hardener for 2-3 minutes. Scrape side and bottom of pail frequently during mixing to insure a good mix. Add one gallon of cool tap water and mix again for 2-3 minutes.
- 4) Spread mixed epoxy with squeegee and back roll with a 3'8" nap roller until spread evenly onto the surface T a coverage rate of 225 square feet per

gallon. Back-roll two times in a perpendicular directions and take care to avoid puddles or "dry spots" for best results. Allow 12 hour dry time before top-coating.

Packaging

#287 Aqua-Seal is available in 1 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.
- #287 Aqua-Seal 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)	60 mins.
Thin Film Set-Time @ 77°F	
Tack Free	1 hours
Hard-dry	5 hours
Direct Impact resistance (in/lb)	160
Reverse Impact Resistance (in/lb)	90
Bond Strength 30 day cure average (psi)	
Concrete Steel Troweled	564
Concrete Broom Finish	405
Concrete Shot Blast	385
VOC	0 %
Elongation ASTM D-638	4.3% min.
Mixed Viscosity	125 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.

#287 Sealer 2/24/05

Data sheets are subject to change without notice, for latest revision check our website at www.polygem.com