

### 1. PRODUCT NAME

#519 HIGH-TEMPERATURE CERAMIC TILE ADHESIVE

### 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 DESCRIPTIONS

#519 High-Temperature Ceramic Tile Adhesive is our industry standard epoxy tile adhesive for use in environments up to 400°F. The #519 is a thixotropic gel that can adhere tiles applied to vertical and overhead surfaces. The #519 is formulated to provide for a tenacious bond to most ceramic, metal, concrete, fiberglass or wood surfaces. #519 is moisture resistant and will even cure underwater.

#### Advantages

- Heat Resistant
- Excellent Adhesion to most Surfaces
- No VOC's or Solvents
- Tough and Durable Surface
- Chemical and Solvent Resistant
- Water Clean-up Formulation

#### Uses

Typical application and uses are:

- Ceramic Tile Adhesive
- All Purpose Bonding
- Crack & Joint repair
- Patching and repairing

### 4. APPLICATION INSTRUCTIONS

- 1) Surfaces to be sealed should be clean of dirt, oils, surface water and loose paint or coatings.
- 2) Prepare and clean surface by grinding or sanding to provide clean and open surface.
- 3) Thoroughly mix measured amounts of 1 part of Part-A Resin with 1 part 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 trowel. a cloth or sponge dampened with water can be used to smooth epoxy surface. Clean up any un-cured epoxy with warm soapy water or solvent.

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 12 months when properly stored at 75° F.

#### Limitations

- Not for use on contaminated or oily surfaces.
- Do not install when surface temperature is below 50°F (7°C) or above 95°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.
- #519 may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

Consult Polygem for additional technical instructions for #519.

### 5. TECHNICAL DATA

#### Performance Properties for #307

Test/Test Method	Results
Tensile Strength ASTM D-638	6,000 p.s.i.
Compressive Strength ASTM D-638	14,000 p.s.i.
Impact (IZOD) Strength ASTM D-638	.21 ft. lbs
Operating Temperature	350 - 450° F
Gel Time @ 77°F (100 gms)	30 mins.
Cure Time @ 77°F	4-5 hours
Shore D Hardness	80/85
VOC Content	0 %
Mix ratio by volume	A/B 1:1
Mixed Viscosity	Heavy Gel
Color Mixed	Gray
Weight per 2 Gallon Kit	27 Lbs

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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