

**1. PRODUCT NAME**

307

**2. MANUFACTURER**

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

Consult Polygem for additional technical instructions.

**Packaging**

2 Quart, 2 Gal, 10 Gal and 100 Gal Kits

**3. PRODUCT DESCRIPTION**

307 is 100% solids, multi-purpose sculpting epoxy system that is suitable for a variety of uses. Easy to mix paste, that cures into a hard and extremely durable polymer. 307 bonds well to most surfaces, including fiberglass, metal, wood and concrete. Completely isocyanate and solvent free. A easy mix formula that can be textured or smoothed using water as a release agent.

100% SAFE for animal enclosures and underwater applications.

**Advantages**

- NO VOC's – 100% Solids formula
- Nearly No odor during application
- Moisture-insensitive formula
- Excellent Impact Properties
- Excellent Strength Properties
- Non-Irritating for installer
- Chemical / Solvent Resistant
- Water clean-up formula

**Uses**

- Sculpting
- Hard coating foam laminating
- Exhibit patching and repair
- Pick proof coating
- Crack Repair
- Tile adhesive

**4. APPLICATION INSTRUCTIONS**

1. Prepare surfaces by grinding or sanding to provide a clean, open substrate for proper bonding.

2. Surfaces must be clean of dirt, oils, surface water, loose paint, or coatings.

3. Mix equal parts of Component "A" and Component "B" in clean mix pail using a mix trowel or low speed drill with mix paddle.

mix product 3 minutes, repeatedly scraping sides and bottom to insure a streak free thorough mix.

4. Clean-up with soap and water.

**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 40°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.

307 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**

Viscosity, cps	Heavy Paste
Color	Tan
Gel Time @ 77* F (100 gr.)	60 Min.
Work Time @ 77* F	45 Min.
Consistency	Paste
Cure Time @ 77°F	16 Hrs.
Tensile Properties (ASTM D638)	7 Days
Tensile Strength	5,500 psi
Compressive Strength (ASTM D-695)	7days
	14,500pci
Impact Strength (IZOD) ASTM D-638	.22 ft. lbs.
Shore d Hardness	80/85
VOC Content	0%
Mix Ratio by Volume	1:1 A/B

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.

307 / Rev 1-18-22

Data sheets are subject to change without notice.