

POLYGEM #307 SERIES

SOLID SURFACE ADHESIVES

Data Sheet C-41

1. PRODUCT NAME

#307, #307 LITE, #307 FLEX

2. MANUFACTURER

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3. PRODUCT DESCRIPTIONS

#307 Ceramic Tile Adhesive - is our industry standard epoxy tile adhesive. It has been the work-horse for our company for over 30 years and has an outstanding track record for performance and adhesion in a wide variety of applications. It is also known to be very user friendly not only for it's ease of mixing and application but has demonstrated to be non-irritating formulation for the installer as well.

Packaged in 2 or 6 gallon kits.

The #307 LITE Adhesive - is a approximately 25% lighter-weight version of the #307 and possesses all of the above qualities of the standard #307 formula. The #307 LITE will be noticeably thicker and or "fluffier" in consistency than the standard #307. The price is the same for the #307 LITE but a cost saving could be realized with the savings in less cost for freight.

Packaged in 2 or 6 gallon kits.

The #307 Flex Adhesive is a flexible version of the standard #307, specially formulated to provide up to 50% elongation in the cured epoxy. The #307 Flex can allow for flexural movement and expansion or contraction of the substrate. The #307 Flex will also provide reliable adhesion to most surfaces just like the standard #307 formulation.

Packaged in 2 or 6 gallon kits.

Advantages

- 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

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. Use a cloth or sponge dampened with water to smooth epoxy surface. Clean up any un-cured epoxy with warm soapy water or solvent.

Consult Polygem for additional technical instructions for #307.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 12 months.

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.
- #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

Performance Properties for #307

Test/Test Method Results

Tensile Strength ASTM D-638	5,500 p.s.i.
Compressive Strength ASTM D-638	14,500 p.s.i.
Impact (IZOD) Strength ASTM D-638	.22 ft. lbs
Heat Deflection Temperature ASTM D-648	165°F
Gel Time @ 77°F (100 gms)	60 mins.
Cure Time @ 77°F	16 hours
Shore D Hardness	80/85
VOC Content	0 %

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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Mix ratio by volume	A/B	1:1
Mixed Viscosity		Heavy Gel
Color Mixed		Gray
Weight per 2 Gallon Kit		27 Lbs

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