

1. PRODUCT NAME

1257

2. MANUFACTURER

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

Packaging

22 oz. dual cartridges
 2, 10 and 100 gallon kits.

Color

Concrete Gray

3. PRODUCT DESCRIPTION

1257 is a 100% solids non-sag gel viscosity epoxy specially formulated for use as general adhesive to provide the ultimate in adhesion to a variety of substrates. Will bond to concrete, wood, fiberglass, and metal surfaces. Moisture insensitive and resistant to most chemicals and solvents. 1257 is also excellent as an epoxy mortar grout for patching or filling large cavity anchoring holes.

Advantages

- No VOC'S or Solvents
- Easy Mixing
- User Friendly
- Non-Sag
- Adheres to a multitude of surfaces

Uses

- Dowel Bar or Threaded Rod Anchoring
- Hollow Block Sleeve Anchoring
- Vertical or Overhead Application
- Crack Repair
- Epoxy Mortars or Grouts

4. APPLICATION INSTRUCTIONS

1. Can be applied by dual-cartridge or bulk applicators.
2. Clean anchor hole by wire brushing the sides of the hole and vacuuming or blowing loose material from the hole.
3. Follow dispensing instructions for the cartridge or bulk dispensing machine.
4. Start filling the hole from the back towards the surface of the hole.
5. Dispense enough material that there is a small amount of overflow when anchor is fully inserted.

(NOTE: Anchor hole is to be a minimum of 9x's deep as the anchor diameter)

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 (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.
 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

Compressive ASTM D-695	14,528 psi (min)
Compressive Modulus	801,089 psi (min)
Tensile Strength ASTM D-638	9,759 psi (min)
Linear coefficient of shrinkage	.003
Flexural Strength	15,100 psi (min)
Heat Deflection ASTM D-3418	145°F
Elongation ASTM D-638	1% min.
Pot Life @ 77°F (100 gm)	15 mins.
Cure Time @ 77°F	90 mins
Mix Ratio	1:1 by Volume
Mixed Viscosity	Non-Sag Gel
Color Mixed	Concrete Gray

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.