

GEM-LOCK FLEX

PICK-PROOF SECURITY SEALANT

Data Sheet C-22

1. PRODUCT NAME

GEM-LOCK FLEX

2. MANUFACTURER

Polygem, Inc.
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3. PRODUCT DESCRIPTION

GEM-LOCK FLEX is an extremely strong and durable epoxy sealant specially formulated to resist tampering or removal while maintaining a secure bond where movement in substrate may be anticipated. GEM-LOCK FLEX exhibits superior adhesion to most surfaces such as concrete, metal, wood and fiberglass. GEM-LOCK FLEX is a hard yet semi-flexible sealant offering excellent thermal shock and impact resistant.

GEM-LOCK FLEX is 100% solids epoxy with a non-sag consistency suitable for vertical and overhead applications. GEM-LOCK FLEX is easily mixed and applied by trowel or bulk loading caulk dispensers.

Advantages

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

Uses

Typical application and uses are:

- Window & Door Frames
- Lock Ups
- Wall, Ceiling and Floor Joints
- Sinks and Toilets
- Chemical Anchoring

4. APPLICATION INSTRUCTIONS

- 1) Surfaces to be sealed should be clean of dirt, oils, surface water and loose paint or coatings.
- 2) Clean surface by shot-blasting 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 or dispense with a bulk loading type caulking dispenser.
- 5) Use a cloth or sponge dampened with water to smooth epoxy surface. Clean up any un-cured epoxy with warm soapy water.

Consult Polygem for additional technical instructions for GEM-LOCK FLEX.

Packaging

GEM-LOCK FLEX is available in these kit sizes:
22 ounce dual cartridge, 2, 10, and 100 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 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.
- GEM-LOCK FLEX 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

Tensile Strength ASTM D-638	2,200 p.s.i.
Compressive Strength ASTM D-638	7,500 p.s.i.
Elongation (at break)	36% min
Gel Time @ 77°F (100 gms)	75 mins.
Cure Time @ 77°F	16 hours
Shore D Hardness	80/75
VOC Content	0 %
Mix ratio by volume	B/A 1
Mixed Viscosity	Heavy Gel
Color Mixed	Gray
Weight per 2 Gallon Kit	24 Lbs

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