

MONOCHEM

# MONO-CAULK<sup>®</sup>

TECHNICAL BULLETIN



GREEN 100% Solids, Quick Dry, Self-Leveling Polyurea

MADE IN U.S.A.

## PRODUCT DESCRIPTION:

ITEM NO. 2990

**MONO-CAULK** is a quick drying 2-component, modified aliphatic, rapid setting, self leveling, hand mixed, 100% Polyurea caulking compound.

### BASIC USES:

**MONO-CAULK** is for small repairs up to 3" in depth or width on interior and exterior horizontal concrete surfaces. It repairs random cracks, control joints, and other areas where down time is limited.

- Parking Garage Floors
- Industrial/Manufacturing Facilities
- Waste Water Treatment Plants
- Freezers and Cold Storage
- Food Processing Plants
- Bridge Headers
- Airports
- Truck Aprons
- Grade Matching
- Saw/Utility Cuts
- Decks
- Spalls

### FEATURES:

- 100% Solids
- Odorless and Flexible
- Suitable for USDA Inspected Facilities
- Meets All States VOC and AQMD Requirements

### PACKAGING & COLOR:

**MONO-CAULK** is packaged in a 1-Gallon Kit. Part A is 112 ounces packaged in a one-gallon metal can. Part B is 16 ounces packaged in a pint metal can. Part A is White; Part B is Black. When the Part A and Part B are mixed together a light gray color is formed.

### COVERAGE RATE:

A one-gallon kit of **MONO-CAULK** will fill approximately 72 linear feet at 1/4" by 1". Do not estimate, proportions are pre-measured.

### SURFACE PREPARATION:

*Surface preparation is critical to product performance.*

- Allow concrete to cure for 28 days before installation.
- All joints must be clean and dry (<15% moisture) free from oil, grease and other contaminants prior to installing **MONO-CAULK**.
- Ensure that all joints edges are at 90° angles to grade with no V-grooving or feather edges.
- Do not apply to surfaces displaying hydrostatic pressure.

### MIXING:

- **MONO-CAULK** may not be diluted under any circumstance.
- Pre-mix **MONO-CAULK** Part B material before combining with Part A. Part A material requires no mixing.
- Add Part A to Part B while mixing using a mechanical mixer (Jiffy Mixer) with a low speed drill and Jiffy Mixer blade. Mix until a homogeneous mixture and color is obtained (2-3 minutes).
  - Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip too much air into the material as this may result in pinhole blister or shortened pot life.
- The **pot life** is 10-15 minutes.

### TECHNICAL DATA:

Solids Content.....	100%
VOC Content .....	68 g/L
Shore A Hardness, ASTM D-2240 .....	80 ± 4A
Elongation, ASTM D-414 .....	600 ± 50%
Tensile Strength, ASTM D-412.....	2000 ± 200 PSI
Pot Life @75° F., ASTM D-2471.....	10-15 Minutes
Tear Strength, ASTM D-624 .....	425 ± 50 PLI

### APPLICATION:

- **MONO-CAULK** should be applied during temperatures between 32°F (0°C) to 135°F. (57°C).
- After applying, level out any over-pour by knifing or troweling off excess immediately. Then once again knife or trowel the surface immediately to feather the product. Paint over **MONO-CAULK** after 30-45 minutes. Do not exceed one hour to topcoat. If the one hour recoat window is exceeded, scuff the **MONO-CAULK** with 80-100 grit sandpaper and test the adhesion of the topcoat to the **MONO-CAULK**.
- If the **MONO-CAULK** is indented and not flush with the surface, repeat the above steps during the 30-45 minute recoat window.
- For deeper cracks a backer rod is recommended to help plug the hole.

### FINISHING:

- After applying **MONO-CAULK** wait 3-4 hours, depending on temperature and humidity before opening to foot traffic.
- Allow approximately 6-8 hours of dry time if the application is going to be driven over.

### DISPOSAL:

Mix excess A and B material and allow to cure prior to disposing. Check local, state and federal laws before disposing of material.

### STORAGE:

**MONO-CAULK** should be stored at room temperature, 60-90°F. **MONO-CAULK** has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

### LIMITATIONS

Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling. Discoloration may occur if exposed to UV.

### WARNING:

This product contains Isocyanates and Curatives.

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MONOPOLE INC.  
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