

DESCRIPTION

CANTOL 823 FAST SET EPOXY CRACK FILLER is a two component 100% solids epoxy crack filler designed for shallow repair on either vertical or horizontal surfaces. This product is easy to mix and use and has a non-critical mix ratio. Additionally, the product, because it is a 100% solids formulation, can be applied thicker on horizontal surfaces when required.

DIRECTIONS

PRODUCT STORAGE:

- Store product in an area so as to bring the material to normal room temperature before using.
- Continuous storage should be between 60 and 90°F (15.5-32.2°C).
- Low temperatures or temperature fluctuations may cause crystallization.

SURFACE PREPARATION:

- All dirt, foreign contaminants, oil, and laitance must be removed to assure a trouble free bond to the substrate.
- A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' (1.22 x1.22meters) plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start repair work.
- This product is intended for hairline cracks and other fractures up to an 1/8 inch in width. Remove all unsound concrete from within the crack to be repaired and thoroughly vacuum all debris and dust from within the crack opening

PRODUCT MIXING:

- This product has a mix ratio of 1 part A (10.5 lb/ gallon) to 1 part B (9.3 lb/gallon by volume.)
- To mix, simply measure out equal volumes of the material and mix them together thoroughly with slow speed mixing equipment such as a jiffy mixer, putty knife or spatula until the material is thoroughly mixed and uniform in color.
- Mix only an amount of material that can be used in the allotted pot life period. Improper mixing may result in product failure.

PRIMING:

No priming is necessary.

PRODUCT APPLICATION:

The mixed material can be applied by marginal trowel, putty knife or any other suitable equipment.

RECOAT OR TOPCOATING:

- Allow the material to cure before installing the coating.
- If excessive amounts are spread well beyond the crack repair or in areas where surface repairs have been implemented, it is best to check the cured areas for any possible amine blush (a whitish, greasy film or deglossing) prior to coating over this material.
- If a blush is present, it can be removed by any standard type detergent cleaner prior to topcoating or recoating.
- Many epoxy coatings and urethanes are compatible for use over this product as well as multiple coats of this product.

CLEANUP:

Use xylol.

FLOOR CLEANING:

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area. Best to use Cantol EF-90. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS:

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

PRODUCT DATA

CANTOL 823 FAST SET EPOXY CRACK FILLER

APPLICATIONS

Recommended for repairing cracks and defects in concrete or masonry.

TECHNICAL DATA

Solids By Weight: 100%

Solids By Volume: 100%

Volatile Organic Content: Zero Pounds Per Gallon

Colors Available: Gray (when mixed)

Recommended Film Thickness: 1/8" Cracks or thin build repairs.

Coverage Per Gallon: 0.13 Cubic Feet Or 1,228 Lineal Feet @ 1/8" X 1/8"

Packaging Information: 2 Gallon Kit = 1 Gallon Part A @ 10.5 Pounds And 1 Gallon Part B @ 9.3 Pounds (19.8 Pounds Net). (Volumes And Weights Approximate)

Mix Ratio: 1 part A to 1 part A by volume

Shelf Life: 1 year in unopened containers

Abrasion Resistance: Taber Abraser CS-17 Calibrase wheel with 1000 gram total load and 500 cycles = 44 mg loss

Flexural Strength: 8,045 Psi @ Astm D790

Compressive Strength: 7,410 Psi @ Astm D695

Adhesion: 350 Psi @ Elcometer (Concrete Failure, No Delamination)

Viscosity: Mixed = 1,500,000 Cps (Typical)

DOT Classifications: Part A "Not Regulated"

Part B "Corrosive Liquid N.O.S., 8, UN1760, PGIII"

Tensile Strength: 5,600 Psi @ Astm D638

Ultimate Elongation: 8.2%

Gardner Variable Impactor: 50 Inch Pounds Direct – Passed

Hardness: Shore D = 50

Heat Deflection Temp: 53° C

CURE SCHEDULE: (70°) (21.11°C):

Pot Life – 2 Quart Volume	20-35 Minutes
Tack Free (Dry To Touch).....	30-40 Minutes
Recoat Or Topcoat.....	3-5 Hours
Light Foot Traffic.....	4-6 Hours
Full Cure (Heavy Traffic).....	2-7 Days

APPLICATION TEMPERATURE:

60-90°F (15.55-32.22°C) with relative humidity below 85%

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CHEMICAL RESISTANCE:

REAGENT	RATING
Butanol	C
Xylene	B
1,1,1 Trichloroethane	A
MEK	A
Methanol	A
Ethyl Alcohol	A
Skydrol	B
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HCl (AQ)	C
5% Acetic Acid	A

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. **NOTE:** Extensive chemical resistance information is available through your sales representative.

PRIMER:

None required

TOPCOAT:

Optional: This product can be overcoated with many suitable epoxy and urethane products.

LIMITATIONS:

- Color stability may be affected by environmental conditions such as high humidity, chemical exposure, or exposure to certain types of lighting such as sodium vapor lights.
- Colors may vary from batch to batch.
- This product is not UV color stable and may discolor when exposed to UV light sources.
- The gray color is not from our standard color chart.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application.
- Do not topcoat over this product until it is tack free. If coating over repairs that are larger, it may be advisable to check for an amine blush prior to application of subsequent coatings.
- Mix only an amount that can be used in the prescribed pot life period.

PRECAUTIONS

PART A: WARNING: Causes irritation. Avoid contact with skin and eyes. Use with adequate ventilation. Wear goggles when using. Where gloves impervious to chemicals. Wash thoroughly after handling. Keep away from heat, sparks and open flame. Close container after each use. May cause skin sensitization. **FIRST AID:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention. Flush skin with soap and water. If ingested, do not induce vomiting. Call a physician. Inhalation: remove to fresh air.

PART B: DANGER: CORROSIVE. Avoid contact with skin and eyes. Use with adequate ventilation. Wear goggles when using. Wash thoroughly after handling. Keep away from heat, sparks, and open flame. Close container after each use. May cause skin sensitization. **FIRST AID:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek prompt medical attention. Flush skin with soap and water. If ingested, do not induce vomiting. Call a physician. Inhalation: remove to fresh air. For industrial and institutional use only. **KEEP OUT OF THE REACH OF CHILDREN.** See Material Safety Data Sheet (MSDS) for more complete information.

GUARANTEE

Cantol guarantees its products, when used as directed, to do all it claims. Should the product fail to demonstrate our claims, the remaining material may be returned to us and no charge will be made.

The Cantol logo consists of the word "cantol" in a lowercase, blue, sans-serif font. The text is enclosed within a blue rounded rectangular border that has a slight 3D effect, with a darker blue shadow on the right side.

PRODUCT DATA

cantol