

# EPOXY CRACK FILLER & PATCHING COMPOUND #2098601

## Epoxy Crack Filler



### Features:

- Two component, 100% solids epoxy crack filler
- Can be topcoated immediately after application
- Applied by marginal trowel, putty knife or other suitable equipment
- Vertical/horizontal applications

### Description:

EPOXY CRACK FILLER & PATCHING COMPOUND 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, because the product is a 100% solids formulation, it can be applied thicker on horizontal surfaces when required. Recommended for repairing cracks and defects in concrete or masonry.



### Applications:

- Concrete
- Masonry

### Product Characteristics:

	Part A	Part B
Appearance:	Viscous paste	Viscous paste
Odor:	Negligible odor	Amine odor
Boiling Point/Range:	200 to 401°F	279 to 401°F
Vapor Pressure:	Not available	Not available
Water Solubility:	Negligible	Negligible
Specific Gravity (H2O = 1):	1.6	1.5
pH:	Not available	Not available
Storage:	Store in a cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the SDS's of all the components prior to using material. Properly label all containers.	
<b>Transport Information:</b>		
UN Number:	Not Regulated	Not Regulated
Proper Shipping Name:	Not Regulated	Not Regulated
Class:	Not Regulated	Not Regulated
Packing Group:	Not Regulated	Not Regulated

### Directions:

Properly prepare the substrate. Remove all contaminants including curing compounds. Make sure the surface is dry. Store at room temperature before using. Apply material with temperatures between 60-90°F. Mix the material at the correct mix ratio using a putty knife until streak free and uniform in appearance. Make sure all loose concrete is removed prior to filling any cracks. Apply the material with a putty knife or other suitable application tool. Most coatings can be applied directly over the uncured crack filler provided the repairs are shallow and narrow. For larger repairs, allow the material to fully cure before applying a coating.

### Cure Schedule: (70°)

Pot life – 2 gallon volume ..... 1-3 hours  
 Tack free (dry to touch) ..... 5-10 hours  
 Recoat or topcoat ..... immediately after application  
 Light foot traffic ..... 10-24 hours  
 Full cure (heavy traffic) ..... 2-7 days

**Application Temperature:** 60-90°F.

**Primer:** None necessary.

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

### DOT Placard:

Not available.

### VOC Compliancy:

Not available.

### Pictograms:



### Signal Word:

WARNING

### Personal Protective Equipment Required:



**SOLIDS BY WEIGHT:**  
100%

**SOLIDS BY VOLUME:**  
100%

**VOLATILE ORGANIC CONTENT:**  
Less than 11 g/l

**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"

**MIX RATIO:**  
1 part A to 1 part B by volume

**SHELF LIFE:**  
6 months in unopened containers

**ABRASION RESISTANCE:**  
Taber abraser CS-17 calibre wheel with 1000 gram total load and 500 cycles = 36 mg loss

**FLEXURAL STRENGTH:**  
7,500 psi @ ASTM D790

**COMPRESSIVE STRENGTH:**  
8,710 psi @ ASTM D695

**ADHESION:**  
350 psi @ elcometer (concrete failure, no delamination)

**VISCOSITY:**  
Mixed = > 3,100,000 cps (typical)

**DOT CLASSIFICATIONS:**  
Part A "not regulated"  
Part B "not regulated"

**TENSILE STRENGTH:**  
6,256 psi @ ASTM D638

**ULTIMATE ELONGATION:**  
2.4%

**GARDNER VARIABLE IMPACTOR:**  
50 inch pounds direct – passed

**HARDNESS:**  
Shore D = 65

**HEAT DEFLECTION TEMP.:**  
59°C (138°F)

## Mixing and Application Instructions:

**Product Storage:** Store product at normal room temperature before using. Continuous storage should be between 60 and 90°F. Low temperatures or temperature fluctuations may cause product 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' plastic sheet 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 a 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 to 1 part B 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 or insufficient 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:** When repairing cracks that are less than 1/8" thickness, many epoxies can be placed directly over the applied crack filler before it is cured. Alternatively, it is also acceptable to allow the material to cure before installing the coating. If excessive amounts are spread well beyond the crack repair or in an 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 de-glossing) prior to coating over this material. If a blush is present, it can be removed by any standard type detergent cleaner prior to top coating 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 fast gel installed. Test each cleaner in a small area, utilizing your cleaning technique. 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. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

## 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% HC1 (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.

## 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.
- \*Substrate temperature must be 5°F above dew point.
- \*All new concrete must be cured for at least 30 days prior to application.
- \*Many epoxy products can be placed directly over the uncured epoxy crack filler immediately after the material is used provided that the cracks are small. If coating over repairs that are larger, it may be advisable to allow the material to become tack free prior to application of subsequent coatings.
- \*See reverse side for application instructions.
- \*Physical properties are typical values and not specifications.
- \*See reverse side for limitations of our liability and warranty.