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# FLEXIBLE CRACK FILLER

## Flexible, fast curing crack repair

### DESCRIPTION AND USES

Flexible Crack Filler is a two-component, rapid curing 1:1 ratio, self-leveling, 100% solids, semi-rigid system that provides 10-15% movement of installed joint width. This product can be used at temperatures between -40-120° F (-40-49° C). Flexible Crack Filler is designed for heavy duty traffic and freezer applications. Flexible Crack Filler is used to fill interior control joints or new construction saw joints on horizontal concrete surfaces. It is designed for industrial floor applications receiving heavy duty vehicle traffic. Flexible Crack Filler can be used for contraction joints, construction joints, and interior (controlled environment) expansion joints. Flexible Crack Filler can be used for interior expansion joints with the maximum joint width not to exceed one inch. It can be used for exterior applications when minimal joint movement from thermal cycling will occur. Joints can be opened to traffic in 90 minutes at 72° F (22° C).

### PRODUCTS

A710630 - Flexible Crack Filler  
 Two Static Mixers included (J510036)

### COMPANION PRODUCTS

J510035 - Heavy Duty Caulk Gun  
 J510036 - Static Mixer  
 J510020 - 3/8" Backer Rod  
 J510024 - 1/2" Backer Rod



### SURFACE PREPARATION

Remove all dust, debris, oil and any other contamination from the construction and/or saw cut joints. For best results re-cut the joints with a dry diamond blade. Joints must be clean and dry. Fill deep cracks with backer rod before applying the crack filler. The minimum depth of the joint should be twice the width with a minimum depth of 1/2 inch. Dispense material into joint so that material is slightly higher than the face of the concrete. Allow the product to set for approximately 45 minutes at 75° F. Then use a sharp razor scraper to shave excess material from top of slab.

### LIMITATIONS

Flexible Crack Filler is not intended for joints that are subject to high movement on exterior applications. This is a moisture sensitive product during and prior to full cure. Joints must be clean and dry to facilitate a strong bond.

### APPLICATION

The two components are supplied in a dual cartridge and mixed simultaneously through a static mixing nozzle. While preparing cartridge for dispensing, keep cartridge in upright or horizontal position to prevent material from leaking out of cartridge. Do not tilt cartridge until material is ready to be applied to the repair area. **IMPORTANT:** During set-up of cartridge and initial dispensing of material, keep cartridge and nozzle assembly pointed straight up. **AFTER** the initial shot of material, do not point the cartridge upward to prevent material in nozzle from flowing back into the cartridge. Shake cartridge vigorously for 1 minute, then stand cartridge upright for 1 minute. Insert cartridge into dispenser. Make sure it is properly positioned with shoulder of cartridge flush with front top bracket of the dispenser. Remove plastic cap from the top of the cartridge. Place the mixing nozzle onto cartridge and secure by threading in a clock-wise direction. Make sure that the nozzle and cartridge assembly is secure. Point nozzle straight up and slowly apply pressure to dispenser, moving product up through the nozzle until it reaches the tip, then dispense 1 stroke of material into a rag (1 - 2 quick bursts if using an air tool) and discard. After purging and balancing keep the cartridge pointed downward or horizontal to prevent mixed material in the nozzle from flowing back into the cartridge.

**For Interior Applications:** Place the mixing nozzle directly over the crack, joint or repair area. Dispense material using full smooth trigger pulls (no short choppy strokes) and allow material to gravity feed into the crack/joint. Fill the crack/joint flush or over-fill the crack/joint so that material is slightly higher than the face of the concrete slab you are repairing. Allow the product to set for approximately 45-90 minutes (at 75° F.) then use a sharp razor scraper to shave excess material from top of slab.

**For Interior Applications:** A premium water-based primer that is compatible with solvent-based coatings **MUST** be used prior to the application of any topcoat. A small test patch should be applied prior to the full application. The repaired crack can be shaved or sanded in approximately 45-90 minutes (75° F) but you must wait a minimum of 24 hours before any application of primer. In direct sunlight the color may change overtime.

### CLEAN UP

Clean up immediately with Xylene or MEK.

### COVERAGE

Joint Size	Lineal Feet (9 oz.)	Joint Size	Lineal Feet (9 oz.)
1/8" x 1"	10.3	3/16" x 1 1/2"	4.6
1/8" x 1 1/4"	8.3	3/16" x 1 3/4"	3.9
1/8" x 1 1/2"	6.9	1/4" x 1 1/4"	5.2
1/8" x 1 3/4"	5.9	1/4" x 1 1/2"	4.1
3/16" x 3/4"	9.2	1/4" x 1 1/2"	3.4
3/16" x 1"	6.9	1/4" x 1 3/4"	3.0
3/16" x 1 1/4"	5.5	1/2" x 1"	2.6

### CHEMICAL RESISTANCE

CHEMICAL (REAGENT)	RECOMMENDED FOR CONTINUOUS SERVICE	LIMITED RECOMMENDATION (OCCASIONAL SPILLS)
Acetic Acid (10%)	✓	
Acetone		✓
Bleach		✓
Bleach (10%)	✓	
Citric Acid (5%)	✓	
Crude Oil	✓	
Motor Oil		✓
Gasoline		✓
Diesel Fuel	✓	
Skydrol		✓
Hydraulic Oil	✓	
Ethylene Glycol		✓
Fatty Acids	✓	
Water (Room Temperature)	✓	
NaCl (10%)	✓	
Hydrochloric Acid (10%)	✓	
Lactic Acid (5%)	✓	
Methyl Ethyl Ketone		✓
Nitric Acid (1%)	✓	
Phosphoric Acid (10%)	✓	
Sodium Hydroxide (20%)	✓	
Sulfuric Acid (20%)	✓	
Toluene		✓
Urea (50%)	✓	
Vinegar	✓	
Xylene		✓



## PHYSICAL PROPERTIES

<b>VOLATILE ORGANIC COMPOUNDS</b>	1.72g/1(0.014lbs./gal.)MIXED
<b>PRACTICAL COVERAGE</b>	1/4" joint x 1" depth; 5.2 linear feet
<b>STORAGE STABILITY</b>	Unopened containers at 60-90°F
<b>DRY TIMES at 77°F(25°C) and 50 % Rel. Hum.</b>	Light Traffic:90 minutes. Heavy Traffic:12-16 hours.
<b>RECOAT</b>	12-24 hours; Do not exceed 24 hours
<b>SHELF LIFE</b>	18 months
<b>FLASHPOINT</b>	N/A

**WARNING:** FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT SAFETY DATA SHEET (SDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.

## PHYSICAL PROPERTIES

PROPERTIES	ASTM	RESULTS
Tensile strength (psi)	D412	1,200 psi
Elongation	D412	82%
Bond Strength (psi)	C882	400 psi
Bond Strength (psi)	D2240	75-BOA
Adhesion to Concrete (psi)	D4541	275 psi
Abrasion Resistance		Excellent
Viscosity of Resin (ISO component)		600 cps at 77° F
Viscosity of Hardener (POLY component)		460 cps at 77° F
Gel-Time / Cure Time		3 minutes (100 gram mass)/90 minutes

**Note:** Higher temperatures and larger quantities will shorten the gel-time. Lower temperatures and smaller quantities will lengthen gel-time.