



# FAST CURE HIGH STRENGTH CONCRETE REPAIR

### PRODUCT DESCRIPTION

**SEAL-KRETE® High Performance Fast Cure High Strength Concrete Repair** is a polyurethane compound developed to repair dormant control joints, spalls and pop on interior or exterior applications. It has been formulated with a very low viscosity to deeply penetrate into concrete cracks providing structural repair. Fast Cure is ideally suited to seal off cracks and saw-cuts to further enhance a seamless flooring environment. With the addition of aggregate, Fast Cure makes a high quality spall repair product that is open to traffic or floor grinding in less than 1 hour.

Available in 2 Gallon Kit – Item # 852002

**Important:** Read all directions thoroughly. Recommended: Wear gloves and safety glasses.

### SURFACE PREP\*

Cracks must be clean and free of debris by wire brushing and blowing out with compressed air or pressure washing. Allow to dry completely. Edge of spalls must be squared off (to 90°) with a minimum depth of 5/8".

- Always be sure the cracks or spalls are prepared in advance before mixing product.
- CONCRETE MUST BE COMPLETELY DRY. Additional care should be taken to dry the concrete at temperatures and humidity below the atmospheric dew point, or when injecting into cracks below grade and/or below 32°F.
- New concrete should be fully cured, completely dry and free of movement. A dry diamond blade may be used to prepare cracks and create a clean surface for bonding. A wire brush or twisted wire wheel may be used to remove any loose concrete or dirt and blown out with compressed air. Cracks or spalls should be free of dust, dirt, oils and any other debris. Seal-Krete High Performance Fast Cure can be "feathered" into an existing concrete surface.

### APPLICATION

**MIXING INSTRUCTIONS:** For best results, have all equipment and materials ready to go. Product must be mixed, placed & finished in less than 3 minutes.

#### Mixing Instructions (without aggregate)

- 1) Mix only the amount of material that can be used before gel time expires. Shake containers A and B for 10 seconds each. Proportion equal parts by volume of both component "A" and component "B" into separate containers.
- 2) Pour both components into a clean pail. Be sure that components are mixed at an exact 1:1 ratio by volume. Thoroughly but quickly mix by hand with a spatula or with a low speed drill (300–400 rpm) and a mix paddle attachment (i.e. a jiffy mixer). Keep the paddle below the surface of the material to avoid entrapping air. Proper mixing will take no more than 20 seconds and when well mixed, the material will be free of streaks. Do not over mix. Immediately apply to repair unless sand is to be added.

#### Mixing Instructions with aggregate for repairing spalls with a depth greater than 1-1/2" using kiln dried medium grade (30 mesh) silica sand.

- 1) Measure desired volume of kiln dried sand based on total liquid to sand ratio (i.e. 1:2 ratio = 1 part Total liquid to 2 parts sand). Put measured sand aside and complete #2 below before adding sand.
- 2) To mix Part A and Part B, follow mixing instructions (without aggregate) above – steps #1 and #2.
- 3) After mixing liquids, QUICKLY add all the pre-measured volume of sand. While mixing, carefully scrape the sides and the bottom of the container. Mix thoroughly with drill and mixing paddle at low rpm for 45 to 60 seconds or until sand is thoroughly mixed in without lumps. Then apply to repair IMMEDIATELY.

**Note:** Product will change color in exterior applications; more aesthetic results can be obtained by painting or coating.

### CLEAN-UP & STORAGE

**CLEAN-UP:** All equipment should be cleaned as quickly as possible. Fast Cure liquids can be cleaned by rinsing with a solvent such as xylene. Cured material will require mechanical cleaning procedures.

**STORAGE:** Material shall be delivered in original unopened containers and stored in a dry environment at a temperature between 65° and 90°F. Fast Cure should be protected from exposure to water or moisture.

### LIMITATIONS

- 1) Because of the fast gel time, Fast Cure is not recommended for applications where long working times are required.
- 2) Fast Cure will yellow especially in exterior applications due to UV exposure. A color stable coating may be used to coat.
- 3) Do not mix full kits. Mixing a maximum of 16 oz. of Fast Cure per use is recommended.

### TECHNICAL INFORMATION

#### BASIC USE

- Repair of interior and exterior hairline cracks
- Repair of larger cracks using kiln dried medium grade (30 mesh) silica sand
- Repair of cracks and spalls in concrete floors

#### COLOR

"A" Component (Resin): Amber  
 "B" Component (Hardener): Black  
 Mixed: Concrete Gray (Initially Black turns Gray Cured)

#### VISCOSITY

"A" Component (Resin): 60 cps  
 "B" Component (Hardener): 60 cps  
 Mixed: 60 cps

**VOC:** Near zero

#### RATIO

Mix Ratio by Volume: 1:1 (A:B)  
 Mix Ratio Sand to Total Mixed Liquid: 2:1 by Volume

**SHELF LIFE:** 12 Months

**YIELD:** 231 cubic inches per 128 fl. oz. (gallon)

### ASTM TESTING (on smooth, bare, etched concrete)

Properties	ASTM	Results
Compressive @ 78°F 1 hour	D-695	4,900
Compressive @ 78°F 24 hour	D-695	5,269
Tensile, psi	D-638	4,150
Elongation, %	D-638	5
Die C Tear, pli	D-624	243
Cured Density (lbs. / ft <sup>3</sup> )	–	68.7
Hardness, Shore D	D-2240	70
Bond Strength	C-882	1,894

Gel Time (75°F)	2.5 Minutes
Tack Free Time (75°F)	12 Minutes
Temperature Range	0°–115°F (-17°–46°C)

**LIMITED WARRANTY:** Manufacturer/Seller makes no warranty of any kind except that this product is free from defect and is of merchantable quality. Buyer remedy for breach of warranty is limited to replacement of Seal-Krete product or refund of purchase price. Convenience Products will not be responsible for labor or the cost of labor for removal or application of any product.

**TECHNICAL SUPPORT:** For more information on surface prep or application guidelines, or to obtain a Material Safety Data Sheet, call 1-800-323-7357, M-F (8:00 am–5:00 pm EST) or visit our website at [www.seal-krete.com](http://www.seal-krete.com).

**SAFETY:** Fast Cure does not contain any flammable, carcinogenic, or hazardous materials, however, it is a mixture of Isocyanate prepolymer / catalyzed resin. As with all chemicals, care should be taken when handling Fast Cure. Read Material Safety Data Sheet prior to use, and use the appropriate personal protective equipment (PPE) when handling. Adequate ventilation is recommended, especially in confined spaces.

**BUILDING CODES:** Installation of Fast Cure must comply with applicable local, state and national code requirements.

**CAUTION:** KEEP OUT OF REACH OF CHILDREN. Avoid prolonged contact with skin. Wear safety glasses. If splashed in the eyes, remove contact lenses if worn. Flush eyes with clean water for 15 min. If skin or eye irritation persists, seek medical attention. Do not take internally. If ingested and conscious, give large quantities of water or milk. Do NOT induce vomiting. Call a physician Take immediately to hospital or physician.

\*Sanding or removing paint containing lead may be hazardous. For information contact the National Lead Information Center at 1-800-424-LEAD or [www.epa.gov/lead](http://www.epa.gov/lead).

Country of Origin: U.S.A.



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