



# CRETE FILL SPALL REPAIR

FROM THE MAKERS OF THE ASHFORD FORMULA™ AND THE RETROPLATE SYSTEM™

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## PRODUCT NAME

CreteFill *Spall Repair*

## PRODUCT DESCRIPTION

CreteFill *Spall Repair* is a rapid setting, high strength hybrid urethane repair material. This two part, 1:1 system is 100% solids and designed for repairing damaged control joints and larger cracks where no future slab movement is expected.

CreteFill *Spall Repair* urethane, when combined with sand, will develop into an extremely strong polymer concrete designed to repair existing concrete that has been damaged by forklifts, steel wheeled carts, etc.

## APPLICATIONS

- Spall Repair
- Freezer Threshold Repair
- Parking Deck Repair
- Grade Matching
- Repair Deteriorated Concrete
- Replace Lost Concrete Sections
- Delamination of Concrete Slabs
- Fill & Repair Spall Before Coating

## BENEFITS

1. Meets USDA and FDA Requirements
2. Cures from -20° F to 130° F
3. "Drive-Over" in 45 Minutes
4. Produces High Strength Repair
5. Self-Leveling
6. Self-Priming
7. Can be Color Matched

## PHYSICAL PROPERTIES

|  |            |
|--|------------|
| Viscosity (Mixed) Measured @ Application | 250 cps    |
| Hardness, durometer (ASTM D2240)         | 57 to 62 D |
| Tensile Strength, PSI (ASTM D412)        | 4600       |
| Elongation % (ASTM D412)                 | 6% to 8%   |
| Compressive Strength (neat)              | 3900 psi   |
| (ASTM C109) (with sand)                  | 4800 psi   |
| Bond Strength (ASTM D882-99)             | 3450 psi   |
| <b>Pot Life</b> C-881 77° - 100 Grams    | 5 minutes  |
| Faster formula available upon request.   | 3 minutes  |

## CONCRETE APPLICATION RECOMMENDATIONS

Clean the area of debris and contaminants that would act to debond the CreteFill *Spall Repair*, such as oils, loose materials, dirt, rubber, etc. Expose clean, rough concrete for best results. If using a saw to cut concrete and clean the spall, remove all the dust from the cut out area. Cut a vertical edge, minimum ½" deep, around perimeter of spall. Make sure the area is dry.

Vacuum or blow off cement dust. Call Curecrete Distribution, Inc. at 1.800.998.5664 to receive comprehensive installation guidelines.

## Mixing Instructions

### 5 Gallon "B" (Polyol) Side

Stir gently with a jiffy mixer for at least 2 minutes before mixing with the "A" (Isocyanate) side.

### 1 Gallon & ½ Gallon "B" (Polyol) Side

Shake vigorously for approximately 60 seconds before mixing with the "A" (Isocyanate) side.

## Where the Spall is Deep

1. Mix "A" and "B" components together in equal parts.
2. Blend sand into mix and pour into spalled out areas.
3. Quickly trowel and work mixture to finished grade.

## Filler

Sand filler should have minimal moisture content. Grit sizes from 12 to 60. In exterior applications, the use of dry silica sand will reduce discoloration from UV rays. Pea gravel can be used on very large spalls (fly ash can also be used as a filler). CreteFill *Spall Repair* can be used to bond damaged slabs together. Not intended for use where substrate movement is required. Crete-Fill *Spall Repair* is slightly moisture sensitive and should not be applied to wet surfaces.

## Grinding to Finish Grade

Allow CreteFill *Spall Repair* to set about 45 minutes or until hard. For best results, use a flexible grinding wheel. Grind smooth with a 7-inch wheel. Scraping or cutting may also be done with a sharp razor blade cutter. Cut as soon as product is set and not completely hard. Repair is now ready for traffic.

## AVAILABILITY

1, 2, and 10 Gallon Kits

Upon Request - 22 oz. Cartridges, 12 per Case

## SHELF LIFE

One year in original, unopened container.

## STORAGE CONDITIONS

Do not store below 45°F or above 85°F.

## SAFETY

All personnel should read and understand product Material Safety Data Sheets (MSDS). Long sleeve overalls or disposable overalls, rubber gloves, splash shields, rubber or leather boots

should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of reach of children.

### DISPOSAL AND CLEAN UP

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

### WARRANTY

Satisfactory results depend not only upon quality products but also upon factors beyond our control; methods of application and site conditions are examples of such factors and can affect product performance. This warranty consequently extends only to products installed in strict accordance with manufacturer's specifications. It is the users responsibility to satisfy himself, by his own information and tests, of the suitability of the product for his own intended use; user assumes all risk and liability resulting from his use of the product. The substrate to which the product is applied must be sound structurally and otherwise. Structural or substrate failures or imperfections resulting in damage to or failure of the product are not covered by this warranty. Since the use of the product is beyond the control of the manufacturer, the manufacturer assumes no liability for misapplication and misuse of the product. This warranty does not cover consequential damages, nor does it cover the labor attendant to replacing product in the event of a product failure. The warranty only extends to replacement of the product itself. All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control we cannot assume any risk or liability for results obtained nor can we accept damages in excess of the purchase price of these products.

Curecrete Distribution, Inc. warrants this product to be free from any manufacturing defects.

### TECHNICAL SERVICES

Technical information and assistance can be obtained by calling Curecrete Distribution, Inc. at 1.800.998.5664. Call to receive comprehensive guidelines for *CreteFill Spall Repair*.

### DISTRIBUTED BY

Curecrete Distribution, Inc. Phone: 801.489.5663  
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### CHEMICAL RESISTANCE

Test Procedure; ASTM D-1308 @ 72°F

R = Recommend  
RC = Recommend Conditional = Some Swelling or Discoloration  
N = Not Recommend  
1 = Some Discoloration Only

| <u>Chemical</u>               | <u>Result</u> |
|-------------------------------|---------------|
| Acetic Acid 10 %              | R             |
| Acetone                       | RC            |
| Battery Acid (Sulfuric Acid)  | RC            |
| Brake Fluid                   | R             |
| Chlorine (2,000 ppm in water) | R             |
| Citric Acid                   | R             |
| Gasoline                      | R             |
| Hydraulic Oil                 | R-1           |
| Methanol (5%) Gasoline        | RC            |
| Motor Oil                     | R-1           |
| Toluene                       | RC            |
| Vinegar                       | R             |
| Water                         | R             |
| Xylene                        | R             |