

# CRETE FILL SPALL REPAIR™



## Product Description

CreteFill Spall Repair is designed to repair large cracks and spalls where no future slab movement is expected, as well as damaged control joints. When combined with sand, CreteFill Spall Repair will develop into an extremely strong polymer concrete.

CreteFill Spall Repair is recommended for, but not limited to, the following applications:

- Spall repairs
- Delaminated concrete slabs
- Filling and repairing spalls before applying coatings
- Freezer threshold repair
- Grade matching
- Parking deck repair
- Repairing deteriorated concrete
- Replacing lost concrete sections



## Product Benefits

- Produces high-strength repair
- Self-leveling and self-priming
- 100% Solids *Does not shrink when curing!*
- 1:1 Ratio
- Returns project to service in 45 minutes
- Meets USDA requirements
- Color matching



## Form & Availability

**Packaging:** 22 oz (651 mL) cartridges  
1 gal (3.79 L) kits  
2 gal (7.57 L) kits  
10 gal (38 L) kits

**Appearance:** Untinted; standard and special colors available

**Shelf Life:** 1 year in original, unopened container



## Technical Data

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| <b>Mix Ratio</b> (by volume)                  | 1:1                               |
| <b>Viscosity @ 75°F/24°C (Mixed)</b>          | 90 ± 20 cps                       |
| <b>Pot Life @ 75°F/24°C</b> , ASTM D2471      | 200-220 seconds                   |
| <b>Shore A Hardness</b> , ASTM D2240          | 70 ± 5 D                          |
| <b>Tensile Strength</b> , ASTM D412           | 2000 ± 220 psi<br>13.79 ± 1.5 MPa |
| <b>Elongation</b> , ASTM D412                 | 5 ± 2%                            |
| <b>Compressive Strength w/Sand</b> , ASTM C42 | 4750 psi<br>32.76 MPa             |
| <b>Bond Strength</b> , ASTM D882-99           | Excellent                         |

**Storage:** Recommended storage temperature:  
75-85°F (23.8-29.4°C)  
Do not store below 55°F (12.8°C)



## Preparation & Installation Guidelines

Clean the area to remove debris and contaminants such as oils, dirt, rubber, etc. Clean, rough concrete typically yields the best results. If using a saw to cut the concrete, remove all dust from the area. Cut a vertical edge, minimum ½" (12 mm) deep, around the perimeter of the spall. Make sure the area is dry. Vacuum or blow off all cement dust.

### Recommended Pumping Equipment

The **CreteFill Pro Polyurea GC-13 Pump** (13-gal capacity) designed by Curecrete is one-man operational, easy-to-clean, has adjustable flow volumes, is light weight and built to last.

### Application

In cold weather temperatures, slowly precondition the product to a minimum of 70°F (21°C).

Side-A requires no mixing. Mix/shake side-B (whether untinted or pre-tinted) for 3 minutes with a drill and jiffy mixer for 5 gallon pails, 90 seconds for 1 and 2 gallon containers, and 60 seconds for cartridges.

When using a metered pump, such as the CreteFill Polyurea Pump, dispense a small amount of product to ensure proper mixing of components. The material must be dispensed at a 1:1 ratio. Ensure that the pump is not out of calibration.

For 1 and 2 gallon kits, mix equal amounts of side-A and side-B in a separate container for 20 seconds.

If desired, add dry sand or cement.

For cartridges, remove the end-cap from the cartridge and attach the static mixing nozzle. Tighten until secure. Load the cartridge into the dispensing tool with the cartridge pointed up. Slowly pump material to the top of the mixer to purge air from the cartridge. Tilt the dispensing tool down and purge 3 shots of material into a waste container. Keep the cartridge tilted down and apply material as desired.

Allow at least 45 minutes to cure before grinding.

For best adhesion, joints should be dry.

### Filler

Sand filler can be mixed at a maximum of 2:1 with CreteFill Spall Repair or 1:1 for a more realistic concrete appearance. Sand should have minimal moisture content. Grit sizes can range from 12-60. 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. It is not intended for use where substrate movement is required. CreteFill Spall Repair is slightly moisture sensitive and should not be applied to wet surfaces.

### Grinding to Finish Grade

Allow CreteFill Spall Repair to set for 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

### Special Considerations

Exposure to ultraviolet light may cause discoloration, however, the physical properties are unaffected.

### Clean Up

Cured product may be disposed of without restrictions. Excess side-A and side-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.

### Tools & Resources

Product Estimating Calculator



Standard Color Chart



Chemical Resistance Chart



Safety Data Sheet (SDS)



### Safety & Handling

All personnel should read and understand product the product Safety Data Sheets provided. This product contains isocyanates and curatives.

### Product Distribution

Curecrete Distribution, Inc.  
1203 Spring Creek Place  
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Phone: 801.489.5663  
Free: 800.998.5664  
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**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 the manufacturer's specifications.

It is the user's responsibility to test the suitability of the product for the intended use. The user assumes all risk and liability resulting from the 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 replace 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 warrants this product to be free from any manufacturing defects.