

# Concreteजोड़

## CR1 (Crack Repair)

## Concrete Repair Polymer TECH DATA

### PRODUCT DESCRIPTION

**CR1(Crack Repair)** is quick reacting formulated ultra-low viscosity polymers for high strength/tough concrete repair. The low viscosity polymer is quickly absorbed (Self-Priming) into the concrete, creating an interlocking bond and a **high strength, tough, long lasting rapid repair.**

### PRODUCT USES

**CR1(Crack Repair)** can be used neat or mixed with selected aggregates for large and small crack, spalls, pop-outs, bolt holes and for joint edge reconstruction. Repair can be made in minus temperature.

### APPLICATIONS

1. Rebuilding Floor Joints Edge
2. Shallow & Deep Spalls
3. Pop-outs/Bolt Holes
4. Fine And Shrinkage Cracks
5. Grade Matching Freezer Repair  
Small & Large Cracks Rebounding Delaminated Floors

### ADVANTAGES

- Very High Impact Resistance  
With Stand Heavy Floor Grinding  
Applied In Minus Temperatures
- Non-brittle, Not Like Epoxy
- Can Be Featheredged
- Saves Man Hours, Saves Down-time
- Highly Fuel & Chemical Resistance
- Long Term Durability
- Meets Usda Requirements
- Provides Smooth Working Surface For Fork Lifts

### APPLICATION

#### Spalls, Cracks & Joint Repair Mortar

2partsliquid(1A&1B)canbeaddedto2to4parts sand. The amount of sand depends on the grit size (Fine less / Coarse more). For deep repair, up to 2 parts pea gravel can be added. When making a mortar, keep it fluid and wet (not dry/stiff) so it is self-priming. You can always sprinkle sand over the repair if it puddles.

### GENERAL PHYSICAL CHARACTERISTICS

Solids	100%	Mix Ratio	1:1
Shelf Life	1 year	Elongation ASTM D124	7%
Hardness ASTM D2240	Shore D 70	Viscosity	<10
Compressive w/ aggregate	5000+ PSI	Temperature Range	-30 F to 120 F
Tensile ASTM D412	4480, filled	VOC mixed	0.0 g/l
Bond ASTM 882-99	1900 PSI		

### PREPARATION

**ALL SURFACES MUST BE CLEAN AND DRY.** Cracks, damaged joints and spalls should be free of dirt, oils, dust, latent and loose materials. Square cutting of the repair area is optional.

#### POP-OUTS/BOLT HOLE/SMALL SPALLS

2 parts liquid (1 A & 1 B) neat or with approx. 2 parts fines

### BASIC MIXING TOOLS

1. Several medium size mixing bucket
2. Several measuring cups
3. Margin trowel

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### EXTRA MATERIALS

1. Several grit sizes of sand & aggregate
2. Squeeze bottles (available from JBA)

### MIXING Important: Start with small batches Repair Mortar

1. Place 2 parts sand/aggregate into mixing pail. Holdback 1 to 2 parts to adjust batch once liquid is in.
2. Measure 1 part A and 1 part B separately
3. Pour B first into bucket with sand, mix a little, then add A.
4. Mix with margin trowel; add more sand if needed.
5. Mix quickly to wet all the sand for approx. 1 Minute
6. Place in repair.

### Pop-outs, Bolt Holes, Micro Spalling

1. Measure out 1 part A and 1 part B separately. If neat, go to step 4
2. If using fine aggregates, place about 2 parts into mixing pail. (Adjust grout as needed.)
3. Pour B first, mix with fines, then add A into mixing pail. Mix with margin trowel for about 30 than place.
4. Pour part B into squeeze bottle than part A. Shake bottle for approx. 30 seconds than place.

### RECOMMENDATIONS

1. Be sure aggregate is dry. Moisture will cause repair to swell or bubble.
2. For deep repairs fill in layers. Sprinkle sand to refusal over mortar between layers so surface inside the repair is not wet. Once reacted and hard, continue with the repair.
3. Allow to cure for about 30 minutes before grinding/polishing surface.

### COVERAGE

**Crack Repair Mortar:** 1 gallon of liquid & 2 gallons of aggregate make approx. 508 in.3 of Mortar.  
1 gallon of liquid and 3 gallons of sand make approx. 640 in.3 of Mortar. Adding pea gravel will increase yield.

### PACKAGING

**CR1(Crack Repair)** is available in 1 Gal. Kit, 2 Gal. Kit, and 10 Gal. Kit. Cartridges are available per request.

### SAFETY

This product is for professional applicators only. Wear protective clothing. Read SDS before using this product. DOT/Flash Point: Non-flammable. Liquid not regulated.

### WARRANTY

JBA Concrete Solutions will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

### Product Distribution & MSDS

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