

C² Crack Fix™

Rapid Set, Low Viscosity Structural Repair Polymer for Concrete Floors

PRODUCT DESCRIPTION

Composition: C² Crack Fix™ is a two-component, 100% solids structural polyurethane/ polyuria hybrid. When cured, C² Crack Fix™ is a rigid structural polymer with a Shore D Hardness of 70-75.

Basic Use: C² Crack Fix™ was developed to repair random cracks and surface spalls/pop-outs and other surface defects in industrial concrete floors that are subject to wheeled traffic. C² Crack Fix™ is designed for use in industrial or retail concrete floors where final building temperatures are 0 °C (32 °F) to + 49 °C (120 °F).

ADVANTAGES

- Permanent, durable structural concrete repair in minutes
- Ready for traffic in 15 – 30 minutes
- Can be ground flush with floor in 25 minutes
- C² Crack Fix™ low viscosity allows for penetration into cracks as narrow as 0.40 mm (1/16")
- Unlike many low viscosity structural repair products, C² Crack Fix™ is virtually odorless
- C² Crack Fix™ is non-hazardous and can be shipped via air carrier with no hazard fees

COLOR

Standard color is Standard Gray. C² Crack Fix™ is also available in color matches for our C² Tint™ and C² Color Hard™ dyes. Please see C² Crack Fix™ color match chart for details.

PACKAGING

C² Crack Fix™ is available in 600ml (300x300) dual cartridge kits. All cartridge kits include a static mixer.

USDA/FDA Regulated Facilities

C² Crack Fix™ is acceptable for use in floors subject to USDA and FDA inspection and regulation.

USGBC LEED Projects

C² Crack Fix™ contains no VOC's (0%) and is fully compliant with USGBC LEED green building standards.

LIMITATIONS

- C² Crack Fix™ is a structural repair product and should not be used as a floor joint filler
- C² Crack Fix™ is a structural repair product with very high adhesive and tensile properties; consequently it will restrain concrete movement wherever placed and may lead to concrete tearing if substantial concrete movement occurs after placement
- C² Crack Fix™ is not designed for use in temperatures below 0 °C (32 °F)
- C² Crack Fix™ overfill may leave light stain/shadow on some concrete surfaces
- C² Crack Fix™ may exhibit a moisture reaction on damp or wet surfaces; repair area should be clean and dry

STORAGE AND HANDLING

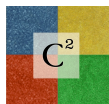
Store in a cool, dry place with adequate ventilation. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Keep from freezing. Maintain storage of cartridges between temperature of 20-33 °C (70-90 °F)

Manufactured under contract for:

Crete Colors International, LLC,
8380 South Kyrene Rd. Suite #107
Tempe, AZ 85284, USA.

Tel: +1-480-426-0424

Fax: +1-480-499-5550



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E-mail: support@cretecolors.com

TECHNICAL PROPERTIES

Viscosity Profile

Part A	120 cps
Part B	70 cps
Mixed	100 cps

Reaction Profile (100 grams, 23°C/74°F Sample)

Gel Time, minutes	1 - 1.25
Tack Free Time, minutes	5 - 8
Traffic Ready, minutes	15 - 30

Typical Physical Properties

Shore D Hardness	70 - 75
Compressive Strength (ASTM D-638), psi	4000
Tensile Strength (ASTM D412), psi	5500
Elongation (ASTM D412, %)	6.0-8.0
Die C Tear Strength (ASTM D624), pli	400
Mix Ratio by Volume	1 : 1
Odor	Odorless
Shrinkage	Negligible

INSTALLATION

C² Crack Fix™ is designed to be mixed using a universal or dual cartridge kit with appropriate gun or by hand in very small amounts. Material should be preconditioned to 21-27°C (70-80°F) prior to use for best results.

C² Crack Fix™ is designed for use in concrete floors at temperatures of 0°C (32°F) or higher. If concrete temperature is lower the 0°C, temporary heat tenting, etc. must be used to warm up floor area prior to installing material.

If using dual-component cartridges:

Prepare cartridge for dispensing with static mixer and flow restrictor per kit instructions. Material should be dispensed at a moderate pace using steady pressure. After dispensing begins keep cartridge pointed down at all time to prevent cross contamination. Keep a waste container (disposable cup) handy to purge C² Crack Fix™ liquid at start of application and/or if dispensing is delayed for more than 45 seconds (to avoid cured material in mixer tip).

Using C² Crack Fix™ and Grinding/Polishing:

If using C² Crack Fix™ to repair surface defects in conjunction with grinding/polishing decorative concrete floors we recommend the following:

- Install C² Crack Fix™ after initial course grind but prior to second grind. This will help ensure that any residual staining or shadowing from C² Crack Fix™ overfill is removed in second grind
- When grinding cured C² Crack Fix™, pads with 100 grit or higher should be used for best results
- Best results are obtained by first grinding off any excessive overfill with a cup grinder using a medium grit finishing pad. It is further recommended that grinding operations be delayed for 25 minutes or more after initial C² Crack Fix™ placement (at 21°C/70°F)

Defect Preparation and Repair

Repair area should be completely free of dust, debris, dirt, oils and moisture prior to application of material.

Surface Defects/Spalls

Remove all loose concrete chips, spalls, islands, etc. back to structurally sound concrete with a hammer and chisel or dry cut saw equipped with diamond blade.

Slightly overfill defect and monitor the installation for any seepage. If seepage into defect is detected, dispense additional material to restore flushness with surface. After C² Crack Fix™ cures into a hard solid (approximately 25 minutes) grind off any



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excess flush with surface using a cup grinder with medium grit pad or hand grinder stone.

Anchor Bolt Holes

If anchor is still intact cut off as much of the bolt as possible prior to slightly overfilling defect with C² Crack Fix™.

Random Cracks

Cracks up to 6 mm (1/4") in width should be cleaned using a soft wire wheel or brush and wiped with solvent to remove dirt or oil prior to filling with neat C² Crack Fix™. Fill/overfill crack with neat C² Crack Fix™ and grind off any high spots after cure.

For cracks wider than 6 mm (1/4") or cracks where continual movement is suspected an alternative recommended repair method is to rout out the crack using a diamond blade to a depth of 12 mm (1/2") to 18 mm (3/4") and filling the crack with a semi-rigid polyuria filler such as C² Joint Fill™.

FIRST AID

Ingestion:

Drink large quantities of water or milk. DO NOT induce vomiting. Seek medical attention immediately.

Eye Contact:

Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Seek medical attention immediately.

Skin Contact:

Wash contacted area with soap and water. DO NOT attempt to neutralize with chemical agents. If irritation persists, seek medical attention.

Inhalation:

Remove affected person to fresh air. Wash mouth and nasal passages with water repeatedly. If breathing difficulties persist, seek medical attention.

Customer Service

For technical assistance and product information visit our web site at www.cretecolors.com or email at support@cretecolors.com

SAFETY INFORMATION

C² Crack Fix™ is for industrial use only. Use in well ventilated areas. Practice all normal job site safety precautions (clear work area, etc.). Thoroughly review MSDS for additional information prior to use.

Your safety is our priority. Crete Colors International, LLC is a member of INFOTRAC'S MSDS Partnership Program. In case of any chemical emergency related to our C² products; spill, leak, fire or accident, please contact INFOTRAC free of charge for immediate first aid information.

Online access 24/7 at:

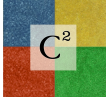
www.infotrac.net

Phone access 24/7 at:

+1- 352-323-3500

WARRANTY

Crete Colors International, LLC solely and expressly warrants that C² Crack Fix™ shall be free from defects in material and workmanship for 180 days from the date of purchase. Unless authorized in writing by an officer of Crete Colors, no other representations or statements made by Crete Colors or its representatives, in writing or orally, shall alter this warranty. Crete Colors makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Crete Colors product fails to conform with this warrant, Crete Colors will replace the product at no cost to the purchaser. Purchaser's sole remedy in any case shall be limited to the purchase price or replacement cost of product and specifically excludes labor and the cost of labor, lost wages and opportunity costs, and all other possible incidental, consequential or special damages resulting from any claim of breach of warranty, breach of contract, negligence or any legal theory. Any warranty



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claim must be made within six (6) months from the date of material purchase. Crete Colors does not authorize anyone on its behalf to make any written or oral statements which in any way alter the installation procedures or written installation instructions published in its product literature or on its packaging labels. Any installation of Crete Colors products, which fails to conform with such installation information or instructions shall void this warranty. Purchaser shall be solely responsible for determining the suitability of Crete Colors products for the purchaser's intended purpose.