



FASTSET™ CONCRETE CRACK REPAIR

PRODUCT NO. 8650-69

DIVISION 3

Maintenance of Concrete
03 01 00

PRODUCT DESCRIPTION

QUIKRETE® FastSet™ Concrete Crack Repair (No. 8650-69) is a rapid curing, two-part hybrid polyurethane crack repair in a single cartridge. The specially formulated self-leveling low viscosity material penetrates deep into cracks for a superior bond that can be opened to traffic in one hour at 77 °F (25 °C).

PRODUCT USE

QUIKRETE® FastSet™ Concrete Crack Repair® is suitable for repairs from hairline up to 1 in (25 mm) in:

- Driveways
- Warehouse Floors
- Garage Floors
- Bridge Decks
- Basement Floors
- Sidewalks

THIS PRODUCT IS NOT SUITABLE FOR VERTICAL CRACKS.

SIZES

- QUIKRETE® FastSet™ Concrete Crack Repair® - 8.6 fl oz (254 mL)

TECHNICAL DATA

INSTALLATION

SURFACE PREPARATION

Cracks should be prepared in advance prior to dispensing of the material. New concrete should be cured for a minimum of 28 days. The product is moisture sensitive during application and the substrate must be completely dry before application. **WEAR NIOSH APPROVED DUST MASK**, such as N95, to avoid breathing in any dust generated from surface preparation. Wear eye protection to prevent dust and particles from entering eyes. Clean the crack with a stiff wire brush. Remove all dust with a soft (nylon) brush and/or vacuum. Repeat the process until the crack is free of dirt, dust and debris deep into the crack. For very deep cracks, it may be necessary to open or widen the crack and to place backer rod or kiln-dried sand into the crack to prevent material loss.

MIXING

WEAR IMPERVIOUS GLOVES, such as nitrile! **PREVENT ALL CONTACT WITH SKIN, EYES OR CLOTHING. IMMEDIATELY** remove any material which has contacted skin. Immediately clean tools. Cured material on skin and tools can be removed only mechanically with damage to skin. Read entire data sheet and SDS before dispensing.



Cartridge Preparation:

1. Schedule dispensing to consume an entire cartridge at one time with no interruption in order to prevent material from hardening in the mixing nozzle. Concrete Crack Repair cures in minutes.
2. Leave cap and plug firmly in place.
3. Shake cartridge vigorously for 20 seconds, then stand cartridge upright for 1 minute.
4. Keep cartridge upright for all of the following steps until instructed otherwise.
5. **BE SURE TO ANGLE CARTRIDGE AWAY FROM YOURSELF AND OTHERS AT ALL TIMES.** Be aware of other objects at which the nozzle may be pointed. Concrete Crack Repair is a permanent adhesive and cured material on skin and tools can be removed only mechanically with damage to skin.
6. Find flow control attached to the mixing nozzle. **WEAR IMPERVIOUS GLOVES.** Remove the cap and plug. Install flow control over the two openings at the tip of the cartridge. Make sure flow control is securely seated and then install mixing nozzle over the flow control and onto the cartridge.
7. Continue holding the cartridge straight up. Insert cartridge into upright caulk gun so that the shoulder of the cartridge is flush with the front/top bracket of the caulk gun. Keep cartridge with nozzle somewhat vertical. Be aware of people and objects in line with the nozzle.
8. Slowly dispense one full stroke of the caulk gun into a disposable container. Carefully confirm that product is dispensing smoothly with no air bubbles. If necessary, dispense some additional material.
9. Carefully point the nozzle tip down at the repair area and apply the product by dispensing with slow & steady strokes of the caulk gun.

CRACK REPAIRS:

1. For cracks in horizontal concrete slabs, directly inject into cracks by placing the mixing nozzle tip directly over the crack. Allow material to penetrate into the crack and top-off as necessary. Kiln-dried bagged medium grade silica sand can be broadcast on top of the repair to add texture. Texture will help the repair match concrete appearance. Texture will reduce the possibility of later slipping on a water-wet repair.

2. The material will be tack-free in 10 minutes at 75 °F (24 °C). Excess material may be removed shortly after application (well before those 10 minutes) by scraping/leveling with a disposable stiff flat edge. The crack surface may be ground smooth one hour after application at 75 °F (24 °C). Wear NIOSH approved dust mask, such as N95, to avoid breathing any dust generated from grinding. Allow material to fully cure (typically 1 hour at 75 °F (24 °C) before subjecting repaired area to any type of traffic. Lower temperatures will increase cure time and higher temperatures will decrease cure time. Compressing the cartridge plunger half way fully dispenses all material.

SPILL OR LEAK:

Ventilate area. Collect with absorbent material. Wear proper personal protective equipment. Prevent all eye and skin contact. Transport absorbed material outdoors, treat with large amounts of water and allow to stand uncovered for 48 hours to let CO₂ gas escape. Cured product can be removed only mechanically. The parts A & B react to create a solid material. Avoid release to the environment. Dispose of contents & container while preventing contact by others and in accordance with all regulations.

CLEANUP:

Remove from tools IMMEDIATELY. Cured material can be removed only mechanically. Uncured material can be removed from tools and surfaces with solvents such as: WD40, citrus adhesive removers, xylene, rubbing alcohol, or nail polish remover. Use these solvents cautiously; they are flammable.

PRECAUTIONS

This liquid product is not suitable for vertical cracks. Do not thin with solvents, as this will prevent cure. Do not use for repairing cracks that are subject to movement until the cause of the cracking has been addressed. Do not apply in areas where temperatures may reach 140 °F (60 °C) or higher during service life. Never reuse nozzles and do

not attempt to force material out of a hardened mixing nozzle; material may splatter. If a leak should develop, discontinue use immediately. Proceed with new cartridge and nozzle. Product is highly sensitive to moisture during application and cure. All surfaces, nozzles and stirrers must be completely dry. NOTE: The color changes from dark gray to light gray as the product cures. Product color will change from UV exposure and may acquire a green tint. Product color is unlikely to match existing concrete because concrete occurs in many different shades of gray. For aesthetic finishes, it can be painted or coated to achieve the desired appearance, after 1 hour. Roughen smooth repaired surfaces by lightly sanding with a fine grit sand paper (120 grit). It is recommended to evaluate paint on a small area for bond and color before proceeding to the project.

Shelf Life: 12 months when stored in unopened container in dry conditions as noted:

Storage Temperature: 40 °F (4 °C) to 90 °F (32 °C)

Application Temperature: 32 °F (0 °C) to 90 °F (32 °C)

CARB Chemically Curing Sealant (Non-aerosol); VOC 1.2% by weight; Meets VOC requirements in all locations; VOC 13 g/L per EPA Method 24

WARRANTY

The QUIKRETE® Companies, LLC warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies, LLC in writing. THIS LIMITED WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

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** Refer to www.quikrete.com for the most current technical data, SDS, and guide specifications*