



EPOXY CONCRETE REPAIR

PRODUCT NO. 8620-49

DIVISION 3

Maintenance of Concrete
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PRODUCT DESCRIPTION

QUIKRETE® Epoxy Concrete Repair (No. 8620-49) is a multi-purpose, rapid cure, two component epoxy bonding and repair adhesive. Its non-sag property makes it suitable for vertical repairs.

PRODUCT USE

QUIKRETE® Epoxy Concrete Repair® is suitable for repairs ½ in (13 mm) or larger in:

- Concrete
- Brick
- Stucco
- Stone
- Concrete Block
- Tile
- Other Substrates

For aesthetic finishes, it can be painted or coated to achieve the desired appearance after tack free (approximately 3 hours).

SIZES

- QUIKRETE® Epoxy Concrete Repair® - 8.6 fl oz (254 mL)

INSTALLATION

SURFACE PREPARATION

Substrate must be sound and cleaned so there is no dust, dirt, grease, wax, oil or any other contaminants. A new concrete substrate should be cured for a minimum of 28 days. WEAR NIOSH APPROVED DUST MASK, such as N95, to avoid breathing any dust generated from surface preparation. Roughen any smooth surfaces with sandpaper, a wire brush or other equipment that will give a roughened profile. A roughened surface is critical to ensure good adhesion. Bonding surfaces should be prepared in advance, prior to dispensing the material. This product is designed for adhesive bonding or small surface patch repairs.

Surface patch repairs should have a surface area of 5 inch by 5 inch (125 mm by 125 mm) or smaller with a depth of ½ in to 1 in (13 mm to 25 mm). The patch should be ½ inch (13 mm) to 1½ inch (38 mm) deep. Because of its high strength, this product is not designed for feather edging. The edges of the surface patch must be square cut to a minimum depth of ½ inch (13 mm), but should be no deeper than the patch at that location. The edges may be cut with a grinder or a circular saw using a diamond or concrete abrasive blade. Remove all DUST prior to applying QUIKRETE® Epoxy Concrete Repair.



MIXING

WEAR IMPERVIOUS GLOVES, such as nitrile! PREVENT ALL CONTACT WITH SKIN, EYES OR CLOTHING. IMMEDIATELY remove any material which has contacted skin.

Schedule dispensing to consume an entire cartridge at one time with no interruption in order to prevent material from hardening in the mixing nozzle.

- (1) Remove plastic cap. Remove plug from threaded end of cartridge.
- (2) Attach mixing nozzle to cartridge. (3) Place cartridge into a 10 fl oz (295 mL) caulking gun. Use only a heavy duty professional caulking gun. (4) Dispense a small amount of material until a desired consistent color with no streaks is obtained.

If material remains in the cartridge after completing the current application, you may carefully replace plug & cap on partially used cartridge and store temporarily. You may then use remaining material without a nozzle by dispensing equal parts of white and dark gray materials into a disposable container and stirring with a flat disposable stirrer (paint stirrer or plastic knife) until gray with no streaks; then applying with the stirrer.

APPLICATION

WEAR IMPERVIOUS GLOVES, such as nitrile! Apply the uniformly mixed material to one of the surfaces to be bonded. It may be necessary to use temporary mechanical fastening to hold repair piece in place until the adhesive has cured for a minimum of 3 hours at 75 °F (24 °C). It is important to utilize temporary mechanical fastening for challenging applications involving significant sized pieces of repair. Lower temperatures will increase cure time and higher temperatures will decrease cure time. For surface patch repairs to damaged concrete, fill the void with material above the surface level and trowel flush. Compressing the cartridge plunger half way fully dispenses all material. NEVER RE-USE NOZZLES AND DO NOT ATTEMPT TO FORCE ADHESIVE OUT OF A HARDENED MIXING NOZZLE.

SPILL OR LEAK

Ventilate area. Collect with absorbent material. Wear proper personal protective equipment. Cured product can be removed only mechanically. 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

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 service temperatures may reach 140 °F (60 °C) or higher. Do not attempt to force material through a mixing nozzle that contains hardened

material; material may splatter. If a leak should develop, discontinue use immediately. Proceed with new cartridge and nozzle.

Shelf Life: 18 months at 40 °F (4 °C) to 90 °F (32 °C) unopened in dry storage.

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

Application Temperature: 40 °F (4 °C) to 100 °F (38 °C).

When temperatures are below 70 °F (21 °C), conditioning the cartridge to 70 °F (21 °C) to 75 °F (24 °C) prior to application will improve handling and curing.

VOC < 60 g/L per EPA Method 24; Meets VOC requirements in all locations;

WARRANTY

NOTICE: Obtain the applicable LIMITED WARRANTY: at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of The Quikrete Companies, LLC. © 2018 Quikrete International, Inc.

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