

PRODUCT DESCRIPTION

Epoxy Crack Repair is a two-component, low-viscosity, 100% solids, epoxy repair product designed for injection into cracks in structural materials including concrete and bricks, for the purpose of bonding and sealing them. Color will be clear to light yellow. Designed for filling narrow cracks with maximum width of ¼ in. (6 mm) to a maximum depth of 6 in. (150 mm).

WHEN/WHERE TO USE

- Horizontal repairs
- Interior and exterior
- Stops air and water leaks
- Secures railings, bolts, and rebar
- Repairs foundation cracks
- Sets injection ports

ADVANTAGES

- High-strength - stronger than concrete
- Low-viscosity - easy to inject and flows well into small cracks
- Moisture tolerant and blocks moisture
- Fits standard caulking tube
- No mess - self mixing

AVAILABLE SIZE

- 6 oz. tube (BOM #120439)

TYPICAL YIELD

10-11 cu. in. (163-180 mm³)

PREPARATION

Air and surface temperature must be 40°F (5°C) or above. The substrate should be free of dust, debris, grease, oil, or other foreign substances and as smooth as possible before installation. Preferably, the surface should be dry. Product has a low viscosity and will penetrate into the cracks, the base of cracks or underside of slabs may need to be sealed prior to application. Minimum age of concrete must be 21-28 days from date of placement depending upon curing and drying conditions.

TECHNICAL DATA

PROPERTY	TYPICAL VALUE (mixed)
Color	Clear, light yellow
Solids (%)	100
Compressive strength (ASTM D695)	11,000 psi (75.8 MPa)

APPLICATION

Before using, condition material to 65°F-85°F (18°-29°C). Unscrew and remove both protective cap and plug from the cartridge. Insert the flow restrictor, attach the static nozzle mixer and tighten nut. Load cartridge into standard caulking gun and dispense a bead of epoxy until the color is uniform. The first two or three dispenses are used to remove air and ensure the correct mixing ratio, this material must be discarded. The cartridge is now ready to use. As a gravity-fed crack filler, create a vee-notched crack and slowly inject the epoxy into the crack, filling the crack completely. As a crack injection, set appropriate injection ports, then seal ports and surface of crack with Epoxy Crack Repair. When the epoxy seal has cured, slowly and steadily inject Epoxy Crack Repair into injection ports. When the work is interrupted, the static mixer can remain on the cartridge after the gun pressure has been relieved. Work quickly, once material hardens in the nozzle, a new nozzle must be used. Cartridge should remain upright to reduce the risk of material draining from the nozzle.

CURING

Epoxy Crack Repair has a pot life of 3 hours (60g) at 77°F (25°C). At temperatures below 77°F (25°C) this product will take proportionately longer time to cure. At temperatures above 77°F (25°C) it will take a proportionately shorter time to cure. Thin layers (5 mil) will become tack-free in approximately 3½ hours 77°F (25°C).

CLEAN UP

Once cured, epoxy crack repair can only be mechanically removed. Epoxy Crack Repair should be wiped clean before it dries. Use xylene or Akona Concrete / Masonry Restoration Cleaner to assist in cleaning.



FOR BEST RESULTS

- For professional use only
- Wear chemical resistant gloves and protect eyes and skin during use
- Subject to discoloration upon exposure to UV light
- Not for use in cracks subject to hydrostatic pressure
- Maximum crack width is ¼ in. (6 mm)
- Maximum crack depth is 6 in. (150 mm)
- Do not add solvents or fillers to change viscosity of the product.
- Per NTSB Safety Recommendations, the use of adhesive anchors is prohibited in sustained overhead load anchoring applications
- Always test a small amount to insure that the product is mixed thoroughly and that the material will harden properly before proceeding
- Surface and ambient temperature must be 40°F (5°C) or above
- For applications with constant high temperature (above 120°F/49°C), contact Akona Mfg., LLC
- Do not expose stored product to cold or freezing temperature (below 35°F/ 2°C) for any length of time
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN

PROTECT FROM FREEZING

WARNING: DO NOT INGEST

Helpful Items:



Safety Glasses



Gloves



Caulk Gun



Epoxy Crack Repair

Two-component epoxy designed for injection into cracks in structural materials

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Proper application and installation of all AKONA products are the responsibility of the end user.

WARNING

Read SDS prior to using this product. Corrosive. May cause eye, skin, and respiratory irritation. Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. Use in a well-ventilated area. Keep out of reach of children.

WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, seller's liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.

Shelf Life	One year - unopened and properly stored
Storage Conditions	Store dry at 50°-95°F (10°-35°C) Protect from freezing