

Azo-Grout™

Application User Guide

Fast • Clean • Reliable



Azo-Grout™ 675
is also available in cartridges



Technology
Chemicals
Machinery

Thank you for trying Azo-Grout™!

We are pleased you purchased the Azo-Grout™ starter kit. Everything you need for repairing cracks in interior or exterior concrete structures was considered in the design and assembly of the repair kit system.

The Azo-Grout™ product team

Azo-Grout™ starter kit components

Part no.	Qty.	Description
079-00220	1	Dual cartridge dispensing gun
AGT-425-C300 or AGT-675-C300	3	Azo-Grout™ dual cartridges (22 oz / 624 g ea)
079-00007	3	1/4" static mixing nozzles
079-00002	3	Threaded retaining nuts
079-00315	2	Pair of latex gloves
079-00310	1	Pair of safety glasses
079-00305	1	1-1/2" putty knife
079-00500	1	Azo-Grout™ Concrete Patch (16 oz / 473 ml)
010-03650	30	Bak-Stop™ injection ports
079-00400	1	Hose shut-off valve
079-00405	1	Hose nozzle
AG-UNIV-INST-C	1	Azo-Grout™ Application User Guide

Additional supplies required

- 600-watt-rated hammer drill
- 1/2" x 12" masonry bit for drill
- Flat-bladed tool
- Water supply (garden hose or portable pump sprayer)

For your safety, please work in a well-ventilated space and use the provided gloves and safety glasses. See Material Safety Data Sheet for additional information.

**For technical information or assistance with repairs,
call customer support:**

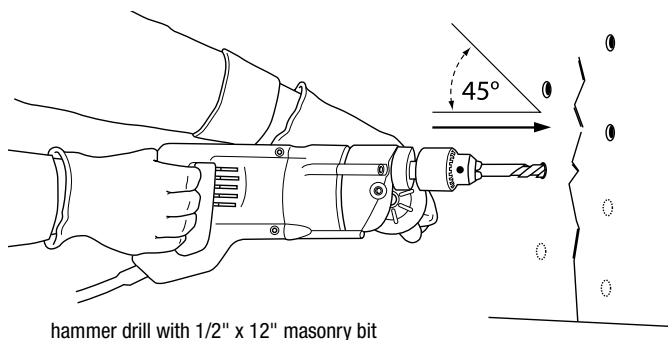
Toll free 1-800-788-5942

Monday - Friday, 8:30 a.m. - 5:00 p.m. ET

Azo-Grout™ concrete crack repair instructions

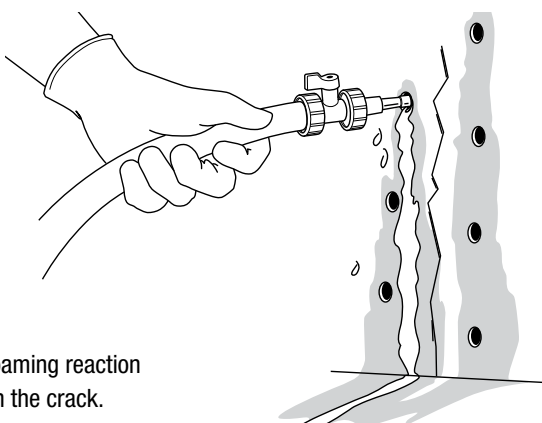
Step 1. Drilling

Drill a series of staggered holes along the full length of the leaking crack. Space the holes 4 to 6 inches apart starting at the bottom. For best results, insert the drill at a 45-degree angle toward the crack.



Step 2. Flushing with water

Attach the valve and nozzle supplied with the kit to a garden hose. (A pump sprayer may also be used to supply water.) Starting at the bottom, flush each hole while adjusting the water to a low-pressure stream using just enough water to flush the debris from each hole and to wet the entire crack.



Tip:

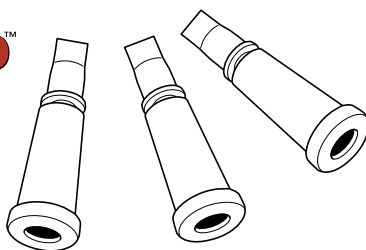
Water promotes a foaming reaction of Azo-Grout™ within the crack.

Azo-Grout™ concrete crack repair instructions — continued

Step 3. Inserting Bak-Stop™

Press the Bak-Stop™ into the first hole and tap firmly using a hammer to ensure the tip is fully inserted. Continue inserting the Bak-Stop ports until all of the holes are filled.

Bak-Stop™
injection port

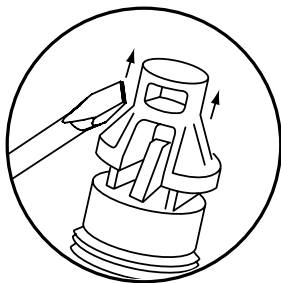


Please note:

Since Azo-Grout™ is a fast-reacting hydrophobic flex-foam, after shaking the contents well, it is important to dispense the contents of the cartridge within a short period of time. To avoid nozzle plugging and flow restriction, do not interrupt the injection process for more than 30 seconds at a time. This is why each cartridge is provided with its own static mixing nozzle.

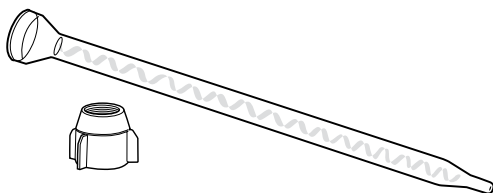
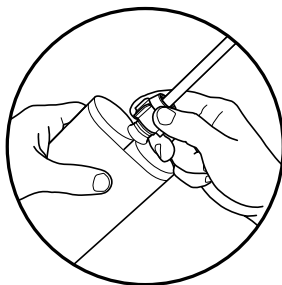
Step 4. Assembling the cartridge

Shake cartridge well before installing nozzle. Remove outer and inner cap on outlet port. Attach applicator nozzle with threaded retaining nut. Place the cartridge in the dispensing gun.



Please note:

Shake well before
removing pry-off closure.



pt # 079-00007 1/4" static mixing nozzle

pt # 079-00002 Threaded retaining nut

Azo-Grout™ concrete crack repair instructions — continued

Step 5. Injecting Azo-Grout™

Working from the bottom to the top, insert the nozzle into the first Bak-Stop* hole and squeeze the cartridge gun three to four times. Depending on the size of the leaking crack, one cartridge should be sufficient to treat approximately 8 feet. *See Step 3. *Inserting Bak-Stop*



Step 6. Cleaning and finishing

With a flat-bladed tool, remove any excess grout on the exterior of the crack. For exposed walls that require a smooth appearance, remove Bak-Stop™ ports with pliers. Patch any holes using a putty knife, with the Azo-Grout™ Concrete Patch or similar patching material.



Description

Azo-Grout™ is a water-reactive polyurethane grout formulated for crack and joint sealing, and stopping further water infiltration. The cartridge system is suitable for repairs in confined spaces where pump injection is not practical.

Application range

- Poured concrete walls
- Plumbing and sewer pipes
- Residential and commercial basements
- Foundations and subsurface concrete structures
- Garages and parking structures

Handling conditions

- Apply during frost-free conditions
- Avoid extreme temperatures during storage
- Store out of direct sun in a cool, dry area.
- Protect from freezing. Store between 40°F to 100°F (5°C to 38°C)
- Do not reseal applicator contaminated by moisture
- Excess grout material can be disposed of in normal waste containers

See *Product Data Sheet* and Material Safety Data Sheet.

For additional product information, contact supplier.

Additional formulated products

Azo-Grout™ formulations are available in 5 gallon pails and 55 gallon drums. For large cracks and joints, injection pumps and packers may be required.

Municipal and utility facilities

- Precast manhole joints
- Brick manholes
- Sewer pipes

Pedestrian and automotive tunnels

- Curtain injection
- Gel encapsulation
- Joint sealing

Concrete dams and powerhouse galleys

- Curtain injection
- Gel encapsulation

Azo-Grout™

Azo-Grout™ is a non-epoxy, high shear, polyurethane solution for stopping water leaks through poured concrete walls and manholes.

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INTERNATIONAL
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American Concrete Institute®
Advancing concrete knowledge



NATIONAL ASSOCIATION OF WATERPROOFING
AND STRUCTURAL REPAIR CONTRACTORS, INC.™

**ISO
9001**

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CE standards certification

Azon, 2204 Ravine Road, Kalamazoo, Michigan 49004-3516
Tel: (269) 385-5942 • Fax: (269) 373-9295 • www.azogROUT.com