The Azon story
Azon, a polyurethane chemical and machinery manufacturer with production facilities on three continents, has a wide product range of applications from high-performance thermal barrier systems for the window industry to abrasion-resistance coatings for the vibratory bowl market. It was the Azon dedicated research and development staff who used their experience in polymer chemistry to develop the full spectrum of products known as Azo-Grout™.

Diverse family of solutions
Safe, dependable and easy-to-use
For crack repair, soil stabilization or stopping the infiltration of water in any concrete, brick or mortar infrastructure, the Azon line of Azo-Grout products will provide the solution you need. Depending on the product option and application, Azo-Grout effectively diverts water or converts sandy soils into a solid mass by forming an elastomeric solid material, a rigid or flexible foam, or a gel-type substance. With additional benefits that include low viscosity, low flammability and solvent-free systems, Azo-Grout is the product of choice that puts safety first—even meeting the approval of ANSI/NSF 61 for use with potable water.

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www.azonint.com
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Water cut-off | "Azo-Grout” 424

Azo-Grout” 424, our most versatile product for the majority of water cut-off challenges, is a hydrophobic polyurethane that forms a resilient, flexible foam when reacted with water. Azo-Grout 424 is approved for contact with potable water. Use with Azo-Cal” 25 to accelerate reaction time.

Application range
- Municipal and utility facilities
  - Wastewater containment tanks
  - Cracks and joints
- Underground parking garages
  - Expansion joints
  - Sealing pipe openings
  - Beam joints
- Concrete dams and powerhouse galleys
  - Flowing water leaks
  - Cracks and joints

Soil stabilization | "Azo-Grout” 443

Azo-Grout” 443 is a low viscosity, polyurethane grout that is used in all types of soils to prevent erosion by forming a rock-like mass that provides structure and stabilization. Azo-Grout 443 is approved for contact with potable water. Use with Azo-Cal” 25 to accelerate reaction time.

Application range
- Building foundations
  - Shoring excavations
  - Perimeter areas of deep-dug holes
- Soil stabilizations
  - River and lake embankments
  - Helipads for helicopters
  - Sand traps for golf courses

Underground waterstop | "Azo-Grout” 458

Azo-Grout” 458 is a hydrophobic polyurethane that forms a semi-rigid foam when reacted with water, providing a water-tight seal. Use with Azo-Cal” 26 to accelerate reaction time.

Application range
- Underground repair
  - Mines
  - Tunnels
  - Subways

Void filling and slab lifting | "Azo-Grout” 551

Azo-Grout” 551 is a two-component, hydrophobic polyurethane that forms a very dense, rigid foam when reacted with Azo-Nate” 300. The product has the capability to expand up to 10 times its liquid state while maintaining a closed-cell structure, providing permanent stability. The ability to expand, while keeping closed-cell characteristics, makes Azo-Grout 551 an excellent applicant for underground void filling and slab lifting of floors, roadways and sidewalks.

Crack and joint sealing for use in sewers and manholes | "Azo-Grout” 675

Azo-Grout” 675 is a single-component, hydrophilic polyurethane that cures in areas where water is constantly present and is approved for contact with potable water. Depending on the amount of water in the mixture, Azo-Grout 675 will vary in consistency from a resilient, rubber-like foam to a flexible gel. The product is capable of absorbing as much as 800 percent of its own mass and then deflecting excessive water from penetrating into a structure. This unique absorption quality allows Azo-Grout 675 to seal off joints and cracks where there is heavy water inflow.

Hairline cracks and structural repair | "Azo-Grout” 222, "Azo-Grout” 224, "Azo-Grout” 226

Azo-Grout” 200 series products are nontoxic, solvent-free, two-component, polyurethane systems that cure to a solid elastomer. These elastomers are suitable for the structural repair of cracks in concrete, while preventing water seepage and corrosion. The low viscosity permits deep penetration in hairline cracks, allowing easy injection for maximum effectiveness.

Product description and application

- Azo-Grout” 222
  - flexible solid
  - used for moving structures
- Azo-Grout” 224
  - dense solid when structural crack repair is needed
- Azo-Grout” 226
  - hard solid
  - used as an anchoring resin in concrete, masonry and fractured rock locations

For NSF/ANSI 61 use restrictions visit: www.wqa.org

www.azogrout.com
Water cut-off | *Azo-Grout™ 424
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Application range
- Municipal and utility facilities
  - Wastewater containment tanks
  - Cracks and joints
- Underground parking garages
  - Expansion joints
  - Sealing pipe openings
  - Beam joints
- Concrete dams and powerhouse galleys
  - Flowing water leaks
  - Cracks and joints

Soil stabilization | *Azo-Grout™ 443
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Application range
- Building foundations
  - Shoring excavations
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Underground waterstop | *Azo-Grout™ 458
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  - hard solid
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Injection equipment and accessories:
- Injection pump
- Packers
- *Azo-Purge™ MP2

Injection solutions for:
- Concrete repair
- Water control
- Soil stabilization

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