



Chemical Grout Stops Leaks in Concrete Dams

Chemical grout is fast, sure, economical, and proven.

Chemical grout has been stopping leaks in concrete structures for over 25 years. In concrete dams, chemical grout forms a permanent, flexible, compression-type seal that stops water movement. Chemical grouting is a proven alternative to the traditional methods of concrete removal and replacement.

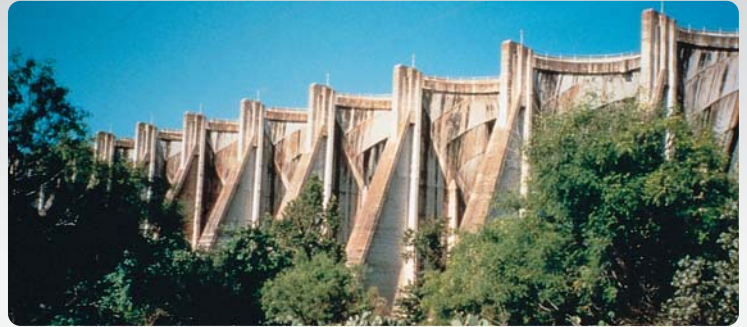
⊕ Chemical Grouts

Avanti International provides the type of chemical grout most often used to stop leaks in concrete concrete dams: hydrophilic polyurethane. This chemical grout forms a chemical bond to the surface and a mechanical anchor into the pores of the concrete. By virtue of expansion, a permanent, flexible seal is formed through the crack, fracture, or hole. This type of grout is noncorrosive and adheres to concrete surfaces in wet and cold conditions.



Water leaking through dam.

Because hydrophilic polyurethane grout is water reactive, the application of the grout does not require that the water flow be stopped. Properly applied, the grout will form a tight, impermeable, elastomeric seal that stops water. The grout is pumped as a liquid and will cure to a solid in wet and unprimed cracks and holes.

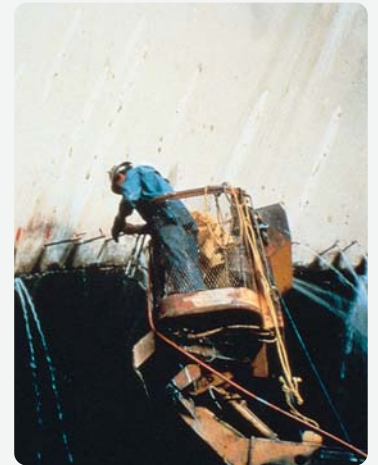


⊕ Application

The use of chemical grout in concrete crack injection is a proven method of stopping leaks. The Variable Pressure Application Technique (V-PAT) is a process which should be utilized to apply polyurethane chemical grout in cracks, expansion joints, and other openings in concrete. A complete description of the V-PAT process is available on our website.



View of grouting and leak cessation.



Grout injection. Water flow has almost ceased.

⊕ Products

Avanti International is the leading supplier of chemical grout used in the structural water control, concrete rehabilitation, soil stabilization, and sewer rehabilitation industries. Chemical grouts stop leaks in parking garages, dams, tunnels, sewers, manholes, tanks, and vaults. The complete line of Avanti products include:

- ▼ Acrylamide Gel
- ▼ Urethane Gels
- ▼ Acrylic Gel
- ▼ Ultrafine Cementitious Grout
- ▼ Polyurethane Foams



AVANTI

AvantiGrout stops leaks. Permanently.

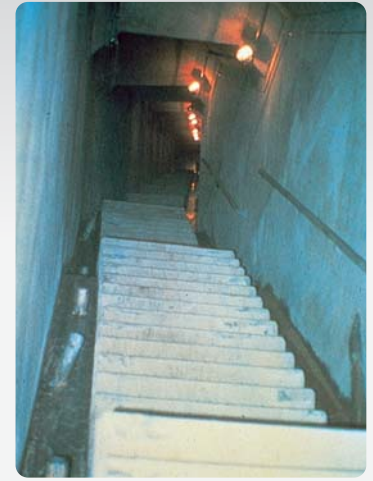
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Interior of dam tunnel. Drilling into joint intersection with leg drill; water swivel using extension pipe for depth.



Leaking gallery stairs prior to repairs. Notice the high presence of water.



Completed gallery repair at base of stairs. Notice the lack of water.

Technical Support

Customer service is a top priority at Avanti International. We provide the technical support necessary for applicators to achieve successful results with our products in a safe and efficient manner.

Please contact our support team to assist you with any water sealing applications. Our website www.avantigrout.com also provides online support and answers to many commonly asked questions.

Hydrophilic Product Showcase



AV-202
Multigrout



AV-310
Hydro Sealant



AV-315
Micro Foam



AV-330
Safeguard



AV-333
Injectaflex

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