

You Have Options:

Do Nothing

The problem will grow and the longer you wait, the more expensive the repair.

Stabilize with Cement Grout

This procedure requires heavy equipment, large drill holes and the use of weighty cement grout which may sink over time.

Stabilize with Polymer Foam

This procedure uses light equipment and material, small drill holes and makes less of a mess.

AP Foam vs Cement Grout:

Facts	AP Foam	Cement Grout
Unit Weight	3 to 10 lbs/cubic foot	150 lbs/cubic foot
Set Time	15 Minutes	Hours to Days
Drill Hole	3/8"	1.5" to 2" or More
Shrinkage	None	Yes
Equipment	One vehicle for materials and equipment.	Multiple trucks and heavy machinery.
Temperature	Can be installed in any climate.	Limited use below 32° F.

Environmental Safety:

On some projects, ensuring the safety of nearby public water is also mission-critical. That's why some of the Alchemy-Spetec' polyurethane resin products we use have received the official NSF seal of approval for contact with drinking water (this also protects water-dwelling wildlife as well). If this is a priority on your project, make sure to ask us about this option!



Certified to NSF/ANSI 61-5
Approved for Contact
with Drinking Water

Driveways



Pool Decks



Warehouses



Any Loose Soil

We will evaluate any soil that is loose, deteriorated, or undermined by water and/or voids.

Contact Us Today

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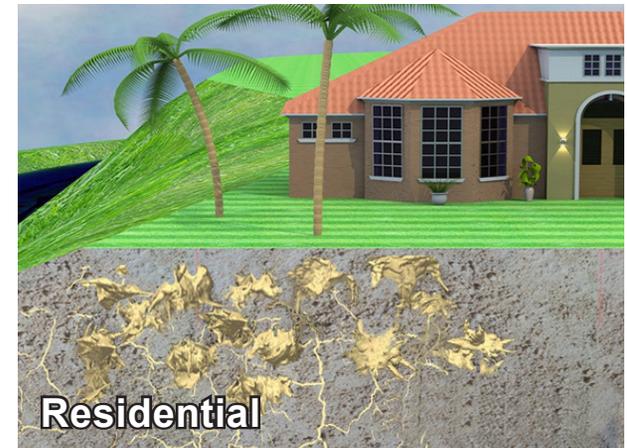
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Soil Stabilization with Polyurethane



Commercial



Residential

Ideal for Everything from Houses to Highways

POWERED BY
ALCHEMY | **Spetec**



How strong is AP soil stabilization foam?

It's regularly used on large-scale infrastructure projects such as highways, airport runways, and slabs under railroad tracks.

The Polymer Foam Lifting Process:

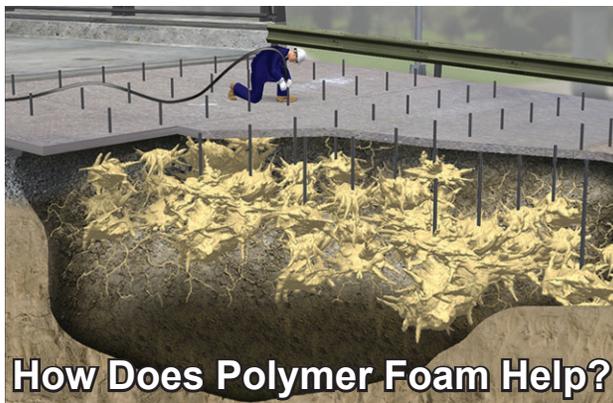
- Step 1: Assess and Prepare**
Determine cause of problem, explain scope of work to client, protect surfaces, drill holes.
- Step 2: Stabilize Soil**
Inject enough foam to stabilize soil.
- Step 3: Clean Up and Review**
Clean the surface and review site with client to ensure their satisfaction.

Fact: AP Soil Stabilization Foam Cures Stronger Than Crystalline Bedrock



What Causes Unstable Soil?

- **Erosion**
Poor drainage, improperly placed downspouts, leaking drain pipes, and broken water lines are common culprits.
- **Poor Compaction**
When backfilling on a jobsite, the contractor is supposed to compact the backfill by driving over it with heavy equipment. However, this isn't always done properly for one reason or another.
- **Biological Decay**
Construction trash pits, buried trees, and other biodegradable materials all break down. Sometimes structures are built over these areas.



How Does Polymer Foam Help?

- **Strengthens Soil**
AP Foam allows contractors to strengthen soil for support of heavy structures.
- **Reinforcing Eroded Areas**
Polymer foam reacts with water to cure into a solid mass and reverse the erosion process.
- **Compacting Soil**
The Deep Lift™ process compacts loose soil to create a strong substrate.
- **Filling Voids Caused by Decay**
Polymer foam fills voids before it cures, making it a great solution for instances of biological decay.



What Are the Results?

- **Use of Slab the Same Day as Repair**
AP Foam cures to 90% full strength in 15 minutes. In most cases the site is ready for traffic right after clean up.
- **Support for Up to 14,000 lbs/Sq. Ft.**
The AP series of polymer foams support a range of 7,200 - 14,000 pounds per square foot.
- **Stabilization Lasting Decades**
Alchemy-Spetec structural foams are stronger than crystalline bedrock.

100% Focus on Customer Satisfaction

Our objective is to minimize your downtime while ensuring a long term solution for your unstable soil issues.

We are determined to create a customer experience worthy of referral.