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 strong is AP Lift foam?
One square foot of foam can support up to 14,000 lbs.

**Use of Slab the Same Day as Repair**
AP Lift 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 Lift series of polymer foams support a range of 7,200 - 14,000 pounds per square foot.

**Lift and/or Stabilization Lasting Decades**
Alchemy Polymers structural foams are stronger than crystalline bedrock.

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**Why settle for a sinking slab? Call 954-977-2000 for a free estimate!**

**Why Does Concrete Settle?**
- **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?**
- **Lifts Slab Back to Level Height**
  AP Lift foam allows contractors to raise slabs to within 1/8" of the desired height.
- **Reinforcing Eroded Areas**
  Polymer foam reacts with water to cure into a solid mass and reverse the erosion process.
- **Compacting Soil**
  AP Lift foam injection 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?**

**Step 1:** Assess and Prepare
Determine cause of settling, explain scope of work to the client, protect surfaces, drill holes.

**Step 2:** Strengthen and Lift
Inject enough foam to stabilize soil, then inject in short bursts to achieve desired lift.

**Step 3:** Clean Up and Review
Clean the surface and review site with client to ensure their satisfaction.
You Have Options

Do Nothing
The problem will grow and the longer you wait, the more expensive the repair.

Replace
The process will take several days, is often messy, and is typically more expensive.

Lift with Cement Grout
This procedure (known as “mudjacking”) requires heavy equipment, large drill holes and the use of weighty cement grout which may sink over time.

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

AP Lift Foam vs Cement Grout

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

Our objective is to minimize your downtime while ensuring a long term solution for your concrete slab. We are determined to create a customer experience worthy of referral.