Lifting Un-Level Concrete to Prevent Trip Hazards and Litigation Risks

Presented by Andy Powell
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NE Portland sidewalk ridge caused woman to trip, states $178,000 lawsuit against city
Commercial Concrete Problems

Cracking

Spalling
Commercial Concrete Problems

A. Upward Curling – Typical in Internal Slabs

B. Downward Curling

Curling of Concrete Slabs
Commercial Concrete Problems

Sinking Driveways

Sinking Walkways
Reasons Slabs Sink

Weight

Erosion
Reasons Slabs Sink

**Broken Pipes**

**Improper Site Drainage**
Reasons Slabs Sink

Poor Soil Consolidation

Construction Crew Built on a Trash Pit
Where to Look for Settling Slabs

Multi-Family Residential
Where to Look for Settling Slabs

Commercial / Industrial
Where to Look for Settling Slabs

Warehouses / Logistical Centers
Results of Neglect

Damage to Vehicles and Equipment

Un-level Warehouse Racking
Results of Neglect

Personal Property Damage
Results of Neglect

Sinkholes
Results of Neglect

Sinkholes
Results of Neglect (Video)

Sinkholes
Results of Neglect

Trip Hazards

Liability Issues
Results of Neglect

Lowell "The Hammer" Stanley
459-CASH

Personal Injury Attorneys
Statistics

Premises Liability
Options for Sunken Slabs

Tear Out & Replace
Options for Sunken Slabs

Mudjacking
Options for Sunken Slabs

Lifting with Polyurethane
Before and After

Pool Deck Before

Pool Deck After

Lifting with Polyurethane
Before and After

Lifting with Polyurethane
Before and After

Driveway Repair Before

Driveway Repair After

Lifting with Polyurethane
Which would you rather put on top of unstable soil?

- Cement 140 lbs
- Polyurethane 4.75 lbs
Options for Sunken Slabs (Video)

Lifting with Polyurethane
Repairing Spalls, Cracks & Joints

Fix with Epoxy and Polyurethane Mortar
Other Concrete Repair Solutions

Soil Stabilization
Other Repair Solutions (Video)

Soil Stabilization
Other Concrete Repair Solutions

Crack Injection
Other Concrete Repair Solutions

Void Fill
At the end of the day, who’s got your back?
Questions