



SUPERIOR CONCRETE LIFTING SYSTEMS



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**GENERAL
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WHAT IS **PENEFIL** CONCRETE LIFTING?

The Penefil System provides an easy solution for concrete repair by injecting high-density polyurethane into holes drilled through the slab and into the sub-grade. It quickly expands using hydrophobic technology to fill voids, stabilize soft soil, and raise the concrete foundation. Penefil foam can be dispensed evenly and precisely by professionals across the entire slab to raise and level the existing concrete, while mitigating erosion damage.

Concrete lifting may be used on all types of cement work, such as driveways, sidewalks, factory floors, patios, parking facilities, residential slabs, and pool surrounds.

Penefil Injection Foam Benefits:

- Excellent comprehensive strength supports commercial foundations
- Improved resistance in low groundwater tables or hydrostatic environments.
- Installs with portable liquid resin pump system instead of multiple concrete mixers
- May be driven on within 30 minutes or less after installation
- Can be injected into cold, damp or wet environments and cure fully to inert polymer
- Easily lifts and saves most residential and commercial slabs
- Installed by professionals who provide modern lifting solutions without 28 day concrete cure

Penefil Polyurethane Slab-Jacking is a cost-effective alternative to replacing concrete and can usually be done for less than half the cost of a new slab. The savings may be even greater with the Penefil System by eliminating the cost of demolition, removal, and landscaping. This process enables the adjacent area to stay operational or in service with minimal disruption throughout the project.



OUR PRODUCTS

PENEFIL 250 H Core Density: 2.25-2.65 lb/ft³

Penefil 250 H is a two-component, closed cell, water blown, rigid, slab jacking foam designed to raise and stabilize concrete slabs or asphalt roadway in residential uses. Penefil 250-H provides a workable repair solution for settling problems with most foundations, roadways, sidewalks and slabs.

Penefil 250-H has a long reaction profile that allows it time to penetrate erosion pockets and fill these void areas. Once inside the void, the foam is designed to expand uniformly and lift the foundation or slab. Penefil 250-H cures quickly and provides long lasting stability.

Penefil 250-H foams are specifically formulated with hydrophobic chemistry for use where injection sites have damp conditions or low water tables. This unique hydrophobic nature of Penefil 250-H allows it to fully cure in standing water conditions for excellent durability and high resistance to most hydrostatic conditions.

Recommended Uses:

- Concrete Slab Lifting and Stabilizing
- Erosion Restoration
- Filling Voids
- Compaction of Grouting Soil

PENEFIL 375 H Core Density: 3.75-4.0 lb/ft³

Penefil 375 H is a two-component, water blown, closed cell, rigid, slab jacking foam designed to raise and stabilize concrete slabs for commercial and industrial uses. PENEFIL provides a superior repair solution with its high density and stronger compressive strength values.

Penefil 375-H has a long reaction profile that allows it time to penetrate erosion pockets and fill these void areas. Once inside the void, the foam is designed to expand uniformly and lift the foundation or slab. Penefil 375-H cures quickly and provides longer lasting stability for higher dead weight loads.

Penefil 375-H was specifically formulated with hydrophobic chemistry for use where injection sites have damp conditions or low water tables. This unique hydrophobic nature of Penefil 375-H allows it to fully cure in standing water conditions for excellent durability and high resistance to most hydrostatic conditions.

Recommended Uses:

- Commercial applications requiring greater lift for higher dead-weight loads
- Roadway applications requiring soil stabilization
- Void fill under concrete slabs and foundations

CUSTOM FORMULATIONS AVAILABLE

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