



Slab Lifting

**PRECISION**LIFT<sup>®</sup>

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# Slab Lifting



Concrete lifting has been done for decades with a technique called mudjacking or slabjacking, traditionally done by pumping a cementitious material through holes drilled in the slab. While this method is sometimes the right choice, there are factors that often make slab lifting with polyurethane foams a better option.

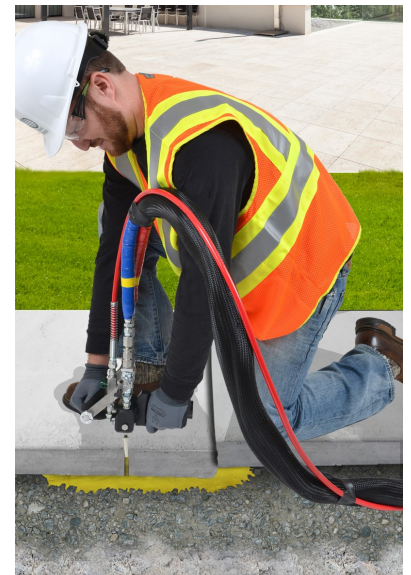
## PRECISIONLIFT®

Injecting structural polyurethane foam into the voids beneath concrete slabs can stabilize them without excavation or the added weight of cement, which can aggravate an existing soil settlement issue. Our **Precision Lift®** products are polyurethane foams that lift and support slabs, stairs, footings, or foundations, putting them back to their original position.



### Precision Lift® foams are the best option when:

- Access to the site is difficult
- Added weight of concrete would further compact the soil
- Added weight of concrete would stress surrounding below-grade structures
- Rapid return to service is needed
- Smaller job size is not economically viable for mudjacking contractor
- Maintaining uniform aesthetic appearance of the concrete is wanted or needed - only dime-sized holes are needed to inject **Precision Lift®** foams



# A Complete System



Prime Resins offers more than just the Precision Lift series foams for your concrete slab repair needs.

## **PRECISION FILL**™

Voids below concrete slabs are often the cause of settlement. Before Precision Lift is used to lift the slabs, **Precision Fill**™ is injected to fill these voids. This two-component, low exotherm, polyurethane foam has a low viscosity, which allows for moderate permeation effects as well.

### Precision Fill™ advantages:

- Highly expansive
- High strength
- Low exotherm (will not self ignite)
- Bonds with soil and to concrete
- Provides a slow, steady reaction



## **PRECISION SEAL**™

Once voids are filled and the slabs have been lifted back even, how can we protect the slabs? **Precision Seal**™ is a self levelling sealant designed to offer superior adhesion to concrete. It is ideal for sealing cracks and horizontal joints in driveways, patios, porches and sidewalks.

### Precision Seal™ advantages:

- Excellent adhesion on porous and non-porous substrates
- High performance mechanical properties
- Permanently elastic after full cure
- Self-levelling
- Color stable and UV resistant
- Ecological advantages:  
free of isocyanates, solvents, halogens and acids
- Good extrudability even at low temperatures
- Excellent weather resistance in all climates
- Primerless adhesion on many substrates (except where water pressure may occur). Almost odorless.
- No bubble formation within sealant even in high temperature and humidity applications
- Can be painted with water based paints and many other systems (to be tested)



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