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.

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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