



Cracks usually close up as the structure is raised

Then weak soil layers are compacted

**COLLAPSED FOUNDATIONS?**  
**SINKING HOUSE?**  
**CRACKED WALLS?**  
**WE WILL SAVE TIME AND MONEY**  
*with minimal disruption!*

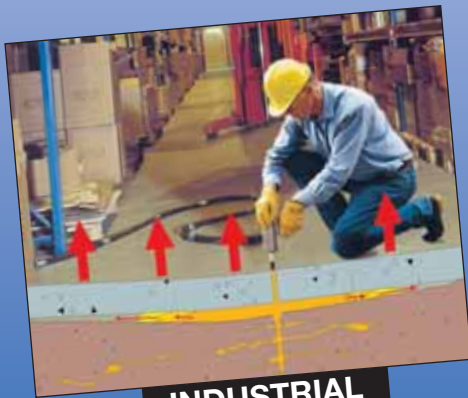
# URETEK®

We drill 6 or 16 mm holes every 1.2 metres and inject a multi-component structural resin. It expands immediately and fills voids, compacts the substrate and lifts, as required, under laser guidance. We can 'Deep-Inject', compacting and increasing ground bearing capacity up to 6 metres down!

***We raise, re-level and re-support moving and sunken buildings!***

- ✓ Convenient alternative to underpinning
- ✓ Speedy remediation
- ✓ Wall cracks usually close up
- ✓ Absolutely minimal disturbance
- ✓ Reduces costs substantially !

**Fast. Minimal disruption. Economical.**



**INDUSTRIAL**



**RESIDENTIAL**



**COMMERCIAL**



**1800 623 312**

[tbeck@uretek.com.au](mailto:tbeck@uretek.com.au)  
[www.uretek.com.au](http://www.uretek.com.au)

**URETEK GROUND ENGINEERING**



**BEFORE**



**AFTER**



**BEFORE**



**AFTER**

Generally cracks close up as buildings are raised, so windows and doors work properly again.

Most jobs take only a day or two. Occupants don't need to move out.

No excavation. Structural resin injection. No water and no mess.



**BEFORE**



**AFTER**

Another important advantage is that although Uretek is extremely strong, it is also over 20 times lighter than traditional cement grouts and therefore reduces the extra weight being placed on ground that is often already over-stressed.

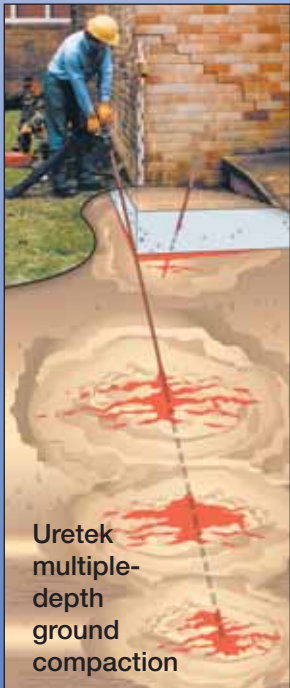
Uretek is also impervious to water.

### URETEK DEEP-INJECTION: TO RE-SUPPORT FOUNDATIONS AND IMPROVE GROUND BEARING CAPACITY...BY UP TO 500%

To provide long term solutions, where Dynamic Cone Penetrometer (DCP) tests reveal weak strata and suitable conditions, Uretek Deep-Injection may be used to strengthen weak layers and improve the ground bearing capacity.

Uretek resin is injected to expand and compact at multiple depths. In this way the bearing capacity of weak ground may be improved by up to 500%.

Uretek Deep-Injection is often used in conjunction with Uretek Slab-Lifting, or may be carried out where no lift is required.



Uretek multiple-depth ground compaction



Uretek DCP testing



Home Unit Deep-Injection



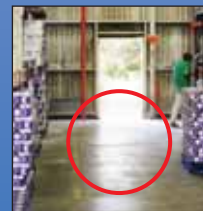
Uretek resin aggressively seeks out voids and fissures, filling them, compressing weak zones.



Note the cracked corner wall in the Adelaide Port Authority building at left.

The cracks were completely closed as the structure was raised and re-supported by application of both Uretek Slab-Lift and Deep-Injection.

**The URETEK Method is proven:** Developed and refined in Europe over 27 years, in the USA since 1988 and Australia since 1995, the URETEK Method is now available in over 50 countries.



This warehouse floor had sunk as much as 75 mm in a number of places including around the doorway area.

The floor was raised, the sub-floor zone was compacted and the structure was re-supported in one simple process.



**BEFORE**



**AFTER**



## URETEK GROUND ENGINEERING

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[tbeck@uretek.com.au](mailto:tbeck@uretek.com.au)

[www.uretek.com.au](http://www.uretek.com.au)

The Mainmark Corporation Pty Ltd, using Uretek:  
CONTRACTOR LICENCES:

NSW: 41231 ACT: 200413804

QLD: Licensee: PCT Mack QBSA Act Licence No: 80949

VIC: CB-L 529 & DB-L 1551 TAS: CC 4676 P

NT: LH. BPD. 0024084 SA: BLD 170715