

Domestic Pool and Surrounds Re-levelled

INDUSTRY

Residential

STRUCTURE

Pool

PROBLEM

Ground subsidence

LOCATION

QLD, Australia

DURATION / YEAR

1 day / 2013

TECHNOLOGY

Uretek Deep Injection &
Uretek Slab Lifting

BUSINESS UNIT

Mainmark Australia



Summary

A large pool at a home in Southern Queensland had sunk 90mm into the ground at one end. The pool had been built on filled ground but had no allowance for concrete piers to support the pool over the fill. Over time it had subsided.

The pool and the sandstone surrounds were re-supported and re-levelled in just two days for a quarter of the cost of alternative methods.

Objectives

To correct the pool and its surrounds quickly, economically and with no mess or inconvenience to the homeowners.

One of Swimming Pools and Spas Association (SPASA) of QLD Pool Construction members was contacted and submitted a quote of \$60,000 and estimated the job would take between 4 and 6 weeks! So a major objective was to vastly improve on that.

Solution

Expanding structural resins were injected into the uncompacted fill under this pool. That compressed the soil, greatly increasing its bearing capacity. Further

injections under raised the pool a millimeter at a time until it was exactly level again.

The concrete slab under the surrounds was raised to bring the sandstone surround tiles up to level with the coping tiles of the re-levelled pool.

The pool was raised exactly the 90mm to level. The project did take only two days and came in on quote. Both the Pool Association and the homeowners were so impressed that they have recommended us to other pool owners.

Above, left and below: the water level shows how far one end of the pool structure had subsided. Above, right: Technician watches the dial gauge (yellow) as he raises the surrounds to the level of the pool edge.