

# POOLS

## Concrete Repair to Above Ground Pool

### Crack injection repairs to concrete structure

Leaking concrete swimming pools look unsightly. Reinforcing steel will become compromised when contacted with the pool water, which results in a weakened structure.

#### PRODUCTS USED:

Injection Packers  
High pressure injection pump  
Expanding polyurethane chemical grout  
Classique external low sheen paint

*Pool located on first floor of project example*



# 'HOW TO' INSTRUCTIONS



## **APPLICATION:**

This process can be messy, so prepare the work area, mask off any potential debris damage, have drop sheets and wear protective clothing.

### **Step 1: Prepare the surface**

Clean and scrape water stains and excess salts from the concrete surface.

### **Step 2: Install Injection Packers**

Drill the mechanical packer holes on a 45° angle of the desired injection penetration path. The mechanical packer hole should be 1mm bigger than the chosen packer diameter.

The packer length should be selected so that the female zerk coupler or the slide coupling of the injection equipment can be easily fixed onto and removed from the packer.

Spacing of the injection ports depends on the crack width, normally between 10cm to 80cm.

### **Step 3: Pump Chemical Grout**

Flush the drilled holes with water to remove debris and dust, whilst ensuring the crack is wet enough to react with the grout. Begin the injection of the grout from the lowest packer installed on a vertical crack, or at the first packer for a horizontal crack. Continue injecting until all water has been displaced and appears on the surface. Continue this process up all packers.

Clean pumping equipment immediately.

### **Step 4: Post treatment surface work and Painting**

To finish the job either remove the packers or mechanically cut them flush with surface. Patch repair surface, then colour match paint the surface.

## **SAFETY:**

The main safety concerns are likely to be with the site conditions rather than product. Normal safety concerns apply.