

Why use us?

- Cost-effective.
- Minimal disturbance to plumbing and electrical services.
- Much less intrusive than alternative solutions.
Speed – most projects are completed in 1 to 4 days.
- Reduces discomfort to home owners as home can remain occupied.
- Superior structural solution if compared to conventional repair methods.



CALL NOW / 061 548 2033

Get in touch



3 Linton Road,
Plankenbrug, Stellenbsoch, ZA



Barend Oosthuizen – 083 287 1995
Burger Britz – 061 548 2033



burger@bydesign.org.za
www.bydesign.org.za



BY DESIGN
BUILDING STABILIZATION





Our Service

Injection Pressure Grouting

- ARE YOUR HOME'S WALLS CRACKING?
- DO YOU NEED FOUNDATION REPAIRS?
- ARE YOUR HOME'S FLOORS SAGGING/SETTLING?
- INDUSTRIAL FLOOR JACKING REQUIRED?

Injection grouting is one of the best solutions for sagging ground-level floors (also known as surface beds) and foundations that need reinforcing. It is a reliable alternative to conventional underpinning with improved long-term results.

Crack Repairs

Whenever excessive subsidence and/or settlement occur, structural cracks are formed in the structure. By collaborating with our structural engineering division, our team can repair structural cracks according to our engineering specification.

Foundation Piles

- Foundations are exposed in 2m intervals in the affected areas.
- Holes are then cored through the foundation and into the underlying soil (1.5 m).
- Grout is pressure pumped into the holes.
- The grout fills the voids, infiltrates the weak soil, and compacts it.
- The grout will stabilize the soil and create additional bearing capacity for the foundations.
- Foundation piles are a better alternative to conventional underpinning.

Scan to watch a [Foundation Piles video](#)



Void Filling beneath Surface Beds

This application is used where ground floors have sagged due to subsidence. Holes are cored through the floors, normally 3-5 meters apart from each other. Grout is then pumped under pressure into the fill below the floor, filling the voids and compacting the weak soil.

This process is less intrusive than the traditional solution of breaking through the floors, replacing the fill materials, and casting a new concrete floor.

Scan to watch a [Void Filling video](#)



Warehouse Curled/ Rocking Slabs

Rocking warehouse floor slabs are normally caused by excessive curling of the concrete slabs. This can affect operations, and over time will cause more damage to the already compromised slab. To correct this, 16mm holes are drilled next to the joints where curling has occurred, and grout is then pumped into the void below. The process is fast, causing minimal disruption to the operation of the warehouse.

Scan to watch a [Curling slabs video](#)



Additional Load support for Mezzanine Floors and Racking

Injection grouting is an effective method to use where additional load bearing capacity is needed for foundations and floors. This can be applied where double storey additions are added, or where mezzanine floors are added on an existing floor and need bearing support.