



# COMPANY

BUSINESS PROFILE



EMPOWERING  
YOU TO  
**ACHIEVE**

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# WE STRONGLY BELIEVE IN SUCCESS

*Geotech passionately believes that success is a journey marked by determination, innovation, and commitment.*

*Our ethos is that success reflects our continual strive for excellence, not just achievements.*

*We cultivate a culture of creativity, resilience, and teamwork, empowering our team to face challenges and embrace opportunities.*

*Recognizing that success is a collective effort, each individual plays a vital role in our shared victories.*

*We aim to not only achieve but redefine success in every project, pushing boundaries and setting new standards.*

*For us, success is an enduring commitment to growth, innovation, and unmatched excellence.*

## ALL YOU NEED TO KNOW ABOUT US

**GEOTECH** Is a proudly South African company that specializes in the construction, mining, engineering and manufacturing sectors . We are a specialized and innovative company that supplies a wide range of services and products to assist mining companies in solving complex challenges.



### WONDERFUL TEAM/PEOPLE

**GEOTECH** thrives due to its diverse and exceptional team, the core of our success. This talented group, driven by mutual respect and a shared vision, combines unique skills to foster a dynamic and innovative workplace. Our commitment to professional growth and open communication nurtures an environment where each team member excels. Embracing diversity and challenges, we collectively propel Geotech towards excellence, making our team an essential key to our achievements.



### SATISFIED CLIENTS:

**GEOTECH** swiftly established a vast, satisfied client base across Africa, serving major and junior mining houses. Our dedication to superior products and services has made us a trusted partner in the mining and civil sectors. We cater to various clients' unique needs, surpassing expectations. Our success lies in client satisfaction and loyalty, as they continually choose us for quality, personalized service, and commitment to excellence. Our ongoing expansion in Africa focuses on building enduring relationships with clients who value our reliable and distinguished brand.



### SUCCESSFUL PROJECTS:

**GEOTECH** excels in major underground mining projects, including void fill, shotcreting, and TSL applications, earning respect across the mining and civil sectors. Our innovative solutions and commitment to excellence attract major and junior mining houses. We collaborate closely with rock engineers, mining operations, and proto teams to develop technologies that enhance mine safety. Our focus goes beyond project completion, aiming to advance mining practices industry-wide. As a trusted ally, Geotech continues to deliver groundbreaking solutions, contributing to safer, more efficient mining operations.

# OUR COMPANY STRATEGY

WE STRIVE TO DELIVER SUSTAINABLE GROWTH AND LONG-TERM VALUE TO OUR CLIENTS.

Our mission is to revolutionize the mining industry with superior, safety enhancing products that set new standards for quality and efficiency, driving cost savings and exceeding expectations. As dynamic regional leaders, our vision is to merge innovation with eco-friendly practices, aspiring to be agents of positive environmental and social change. Our objectives focus on being a vibrant, influential force in sustainability, championing innovation for ecological betterment, and fostering a culture where dynamism harmonizes with sustainability. In essence, we're redefining industry norms, striving to impact our community and industry profoundly and sustainably.



## MISSION

**We strive to achieve our objectives**

Our mission is centered on transforming the mining industry with high-quality products that elevate safety, increase productivity, and enhance overall quality. We are committed to providing solutions that lead to substantial cost savings and exceed industry standards. Our focus is on being a reliable partner in the mining sector, continually offering advanced and beneficial solutions.



## VISION

Our vision is to be a dynamic leader in our region, renowned for delivering sustainable solutions and adding significant value. We aim to blend innovation with eco-friendly practices, striving to be more than just a business, but a force for positive environmental and social change. Our goal is to redefine industry standards by integrating responsibility and innovation for long-term success and sustainability.

# OUR COMPANY OBJECTIVES

↔ Commitment to sustainability

**Establishing Vibrant Influence and Sustainability**

Our company culture is rooted in dynamism and sustainability. Every action and decision we make is aligned with these core values. We strive to be an example in the region, showcasing how a business can be both dynamic in its growth and sustainable in its operations. Our focus on these aspects is integral to our identity, guiding us towards making a lasting and meaningful impact in our community and industry.

⚙️ Excellence in innovation

**Commitment to Innovation and Environmental Stewardship**

Our primary objective is to position ourselves as a leading and vibrant force in our region, focusing on sustainability and creating significant value. We are dedicated to offering solutions that are not only economically beneficial but also environmentally friendly. By doing so, we aim to set a precedent in our industry for sustainable practices, ensuring our influence extends beyond mere business success to include positive environmental impact.

🏠 Dynamic Culture

**Cultivating a Dynamic and Sustainable Culture**

We place a high emphasis on innovation and environmental stewardship. Our goal is to positively impact the economy, society, and environment through cutting-edge solutions. We are actively engaged in developing new methods and technologies that not only drive progress in our industry but also contribute to ecological preservation. This commitment is a testament to our dedication to being responsible corporate citizens.



# OUR COMPANY FUNDAMENTAL PRINCIPLES



Our company ethos is anchored in delivering exceptional customersatisfaction, quality, innovation, and integrity. We are committed to providing outstanding customer service through flexible scheduling, superior products, and innovative solutions that benefit both our clients and our business. Quality is at the forefront of our operations, as we offer high-value products and services with a firm commitment to customer satisfaction and sustainable business growth. Innovation is encouraged within our work environment, fostering creative thinking for process improvements and cost-effective, sustainable offerings.

Furthermore, integrity defines our conduct, ensuring our actions are guided by trust, honesty, courage, and consistency. These principles support our continuous endeavor to excel in our industry and provide unmatched value to our customers and stakeholders.



## CUSTOMER SATISFACTION

Our goal is to deliver outstanding customer service by offering flexible scheduling, top-notch products, efficient services, and innovative solutions that create value for both the customer and the company.



## QUALITY

At our company, we are proud to offer high-value products and services that we stand behind. By doing so, we ensure customer satisfaction, profitability, and a bright future for our employees and continued growth for our business.



## INNOVATION

We foster a work environment where creative thinking is encouraged and rewarded in order to create opportunities for process improvement and more cost-effective sustainable products and services, providing value to both Geotech and our customers.



## INTEGRITY

Our conduct is characterized by trust, honesty, courage, and consistency.

# GEOTECH SERVICES



Our company offers a comprehensive range of construction and mining services, specializing in innovative grouting solutions. We provide design, fabrication, installation, and maintenance of mobile grout systems, along with secondary support services like drilling, meshing, and installation of anchors.

Our expertise also covers advanced mining operations, rehabilitation, and labor hire.

We offer a variety of products including **Shotcrete System, Rock Wall Stabiliser, Concrete, GEO Fill**, and advanced polyurethanes and urea-based materials, catering to the diverse requirements of modern construction and mining industries.



## CONSTRUCTION SURFACE GROUT

- Design
  - Fabrication
  - Erection
  - Commission
  - Operate
  - Install and maintain Grout
- Ranges in haulages, travelling ways

## MOBILE GROUT

- Design
- Fabrication
- Install
- Operate
- Service and Maintenance



## SECONDARY SUPPORT SERVICES

- Drill, Grout, Mesh and Lace,
- Installation Resin Bolts and Anchors
- Manufacturing and Supply of TSL, Shotcrete, Wetcrete
- Installation of Sets



## MINING SERVICES

- Conventional and Trackless Stoping and Development
- Drilling of Exploration Holes, Prospect Holes, Diamond Drilling, Drop Raising,
- Drainhole Drilling and Longhole Drilling
- Rehabilitation and Opening Up of old areas



## UNDERGROUND SUPPORT

### GEO

- CAPSULE GROUT  $1/2$
- CAPSULE GROUT  $1/4$
- CAPSULE GROUT  $4/4$

### CONCRETE

- PRE-MIX 25MPA
- PRE-MIX 40 MPA
- MULTICRETE 60 MPA

### GROUT

- PUMPABLE ANCHOR GROUT
- PUMPABLE WALL GROUT

### ROCK WALL STABILISER

- PS (POWDER SYSTEM)
- LS (LIQUID SYSTEM)
- WH (WETCRETE HYBRID)

### GEO FILL

- LOW STRENGTH
- MEDIUM STRENGTH
- HIGH STRENGTH

# INDEPENDENT TESTING FACILITIES

## UNIVERSAL TESTING MACHINE



Our company ethos is anchored in delivering exceptional customersatisfaction, quality, innovation, and integrity. We are committed to providing outstanding customer service through flexible scheduling, superior products, and innovative solutions that benefit both our clients and our business. Quality is at the forefront of our operations, as we offer high-value products and services with a firm commitment to customer satisfaction and sustainable business growth. Innovation is encouraged within our work environment, fostering creative thinking for process improvements and cost-effective, sustainable offerings.

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The **Concrete Compression Testing Machine**, essential in construction, is featured in our Independent Testing Facilities. It precisely measures the compressive strength of concrete using a high-capacity hydraulic press and an accurate gauge. This machine plays a crucial role in verifying that concrete meets required strength specifications and safety standards, making it a key asset for quality assurance in building and infrastructure projects. Our Independent Testing Facilities ensure reliable and unbiased results, reinforcing the integrity of construction materials and practices.

### TESTING METHODS:

- Tensile-bond (Adhesive) strength testing
- Tensile strength testing
- Shear-Bond Strength Testing
- Uniaxial Compressive Strength Testing
- Shear Strength Testing
- Three-point Flexural Strength Testing



# GEOTECH OUR PRODUCTS



Our company specializes in providing a wide range of innovative solutions for the construction and mining industries.

Our product lineup includes an extensive selection of materials, each designed to meet the specific needs of these demanding sectors. Among our offerings, we have the Shotcrete System, a cutting-edge solution for structural support and stabilisation.

This system is particularly beneficial in environments where quick and efficient reinforcement is required. Additionally, we supply Rock Wall Stabilizer products, essential for ensuring the safety and durability of rock structures and surfaces. These stabilizers play a crucial role in maintaining the integrity of rock walls, preventing erosion and collapse in both natural and man-made environments.

*“We specialize in advanced construction and mining solutions, offering the Shotcrete System for structural support and Rock Wall Stabilizers for enhanced safety.”*

## OUR PRODUCTS

# ROCK WALL STABILASER



### R.W.S-PS (SINGLE-COMPONENT) POWDER SYSTEM

A rigid, single component, grey thin spray liner for support and sealing. The product is applied under high pressure thus allowing it to penetrate any fractures in the rock, creating a key blocking system. Combined with the high adhesion strength of the product, the rock on either side of the fracture is effectively consolidated. The rest of the substrata is sealed and protected from exposure to the atmosphere, which prevents further deterioration of the rock due to oxidation.

### R.W.S-LS (TWO-COMPONENT) LIQUID SYSTEM

A rigid, two component, grey thin spray liner for support and sealing. The product is applied under high pressure thus allowing it to penetrate any fractures in the rock, creating a key blocking system. Combined with the high adhesion strength of the product, the rock on either side of the fracture is effectively consolidated. The rest of the substrata is sealed and protected from exposure to the atmosphere, which prevents further deterioration of the rock due to oxidation.

### R.W.S-CH (MULTI-COMPONENT) CRETE HYBRID

A pre-packaged multi-component modified cement-based wetcrete mix that also contains polypropylene fiber. The product is applied under high pressure thus allowing it to penetrate any fractures in the rock, creating a key blocking system. Combined with the high adhesion strength of the product, the rock on either side of the fracture is effectively consolidated. The rest of the substrata is sealed and protected from exposure to the atmosphere, which prevents further deterioration of the rock due to oxidation.

### CHARACTERISTICS:

- It has adhesive properties in both wet and dry environments.
- Excellent adhesion to any substrata.
- Easy and quick to apply.
- UV stable and temperature tolerant.
- Prevents time dependent deterioration of hanging wall.
- Stops further deterioration of damaged hanging wall.
- Prevents scaling of side walls.
- Serves as an early warning indication of ground movement, i.e., when cracks start to appear in the concrete liner.
- Reduces time spent on early/entry examination.
- Prevents costly rehabilitation of back areas.
- Reduces the risk of Fall of Ground and associated incidents.
- Good bonding and flexural strength properties.
- Good resistance to sulphate attacks.
- Stops corrosion.
- Waterproofing.

## OUR PRODUCTS

# GEO-CAPSULE GROUT

### AVAILABLE RANGE:

**GEO 1/2 CAPSULES** ensure fast and efficient grouting in rock anchoring applications and are ideal for overhead roof bolting.

**GEO 1/4 CAPSULES** are ready-to-use dry powder encapsulated in a water permeable skin.

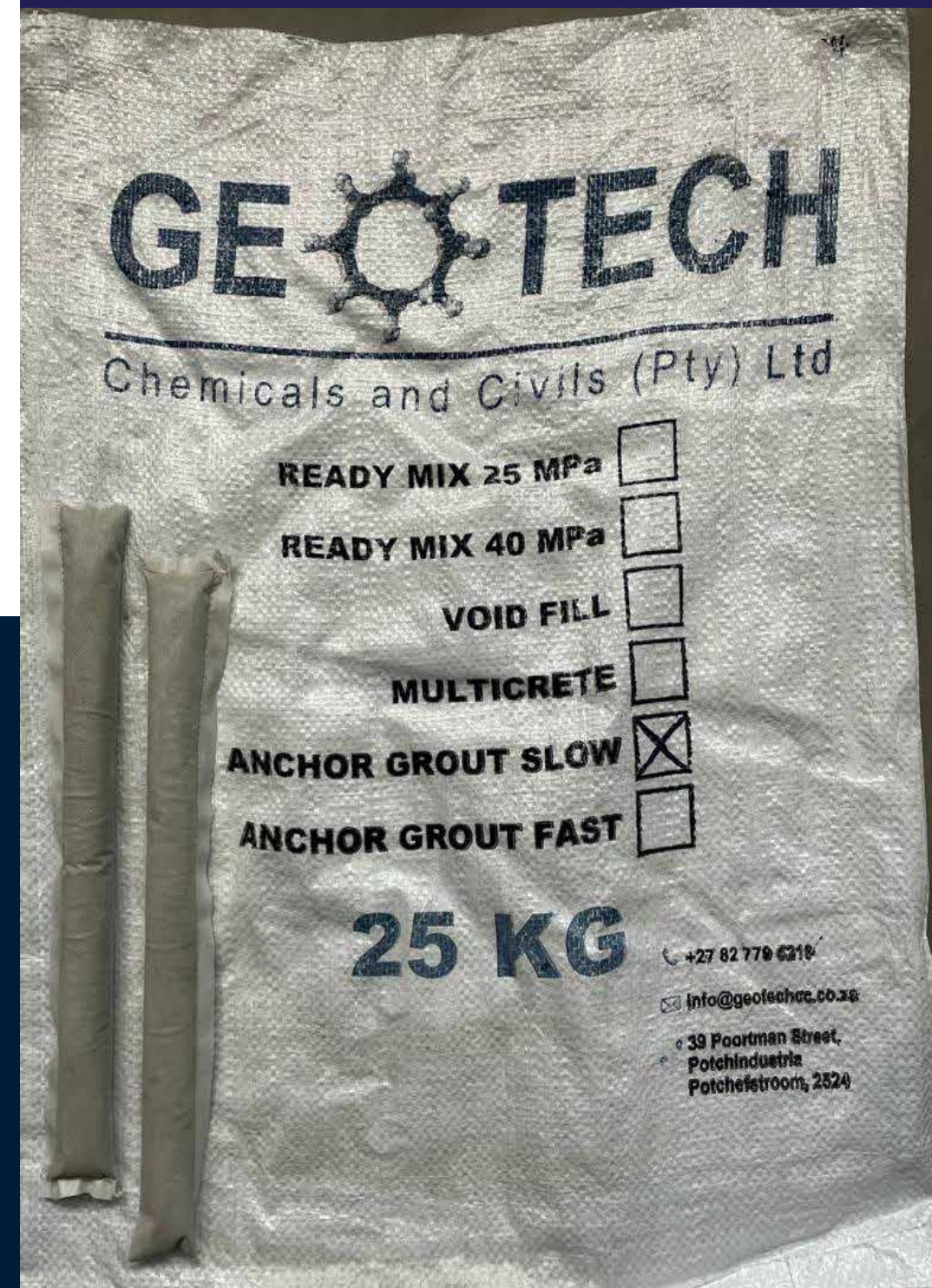
**GEO NS GROUT 4/4** – One Component non shrinkage grout/mortar with waterproofing qualities is a pumpable NS grout, hydraulic mortar with Nan-engineering components for support and structural uses in civil and mining use.

### FEATURES:

- Controlled water/powder ratio.
- Eliminate the need for mixing equipment.
- Ensure minimal wastage of grout.
- Expansion agents counteract shrinkage and ensure effective contact between bar and grout.
- Rapid strength development without the use of chlorides ensures absence of corrosion.
- No loss of grout even from overhead holes takes place, due to the thixotropic nature of the grout.

### OPTIONS:

- 25 mm diameter / 30 capsules per bag.
- 28 mm diameter / 28 capsules per bag.



## OUR PRODUCTS

# PRE-MIX/ MULTICRETE

### DESCRIPTION:

**Pre-Mix concrete** is a quality blend of cement, sand and aggregates that is specifically manufactured for construction projects in the civil and mining industry.

### AVAILABLE RANGE:

**25 MPA** This is a medium-strength concrete and is suitable for reinforced foundations and light-duty construction purposes.

**40 MPA** This is a high strength concrete and is suitable for suspended structural beams, pre-cast beams and flagstones, heavy-duty workshop floors and suspended reinforced floors.

**MULTICRETE 60 MPA** is a flowable and non shrinkage compensated for general purpose. Multicrete contains no chloride or other substances which could aggravate of reinforcing. The product is designed for uniform mixing and minimizing segregation and bleed.

### FEATURES:

- Expansion system compensates for shrinkage and settlement whilst in the plastic state.
- Chloride free-safe in use with steel.
- Setting time less than 7 hours.
- High early strength and long term durability.
- Factory controlled pre-packed material with consistent quality.
- Ready to use ,premixed and requires only addition of water.



### USES:

- Flowable and pumpable.
- Filling gap of pre-cast and pre-stressed panels.
- Filling core holes.
- Fill in for hollow block walls.
- Concrete anchors.
- Machine foundation.

## OUR PRODUCTS

# GEO FILL (VOID FILL)

### DESCRIPTION:

**Geo – Fill** is a single component low density cement foam designed for the cavity fill.

**Geo – Fill** comes in 3 different strengths, low, medium and high strength.

### USES:

- Is used as a void fill and the construction of lightweight barriers, bulkheads and stopping.
- Closed off arches in tunnel drives.

### BENEFITS:

- Nontoxic and non-flammable.
- High stability- no shrinkage and no collapse.
- Good pump ability.
- Fast setting.
- No chloride.



## OUR PRODUCTS

# PUMPABLE ANCHOR GROUT

### DESCRIPTION:

**Pumpable Anchor Grout** is a one component non shrinkage grout/Mortar with waterproofing qualities and is a pump able grout for support and structural uses in civil and mining industries.

### USES:

- Mining anchor.
- Dams and tunnels.
- Bridges.
- Highway and airport slabs.
- Reservoirs and water structures.
- Retaining or building walls.
- Concrete formwork anchors.
- Structural repairs.

### CHARACTERISTICS:

- Geotech Pump able anchor grout is a cementitious non-shrink grout designed for the anchoring of rebar or dowels in concrete, masonry or rock.
- Geotech Pump able anchor grout is available in 25kg bags or in 2kg socks.
- Geotech Pump able anchor grout is containing a mix of calcium aluminates cement silica sand and selected additives
- This dry pre-mixed cement grout is a fast setting thixotropic grout and is easily inserted in the anchoring hole.



## OUR PRODUCTS

# PUMPABLE WALL GROUT

### DESCRIPTION:

**Pumpable Wall Grout** is a one component non shrinkage grout/Mortar with waterproofing qualities and is a pump able grout for support and structural uses in civil and mining industries.

### USES:

- Permanent support for underground criteria
- Reservoirs, water towers, concrete structures, silos, etc.
- Shaft sinking activities.

### CHARACTERISTICS:

- 16,34 MPa @ 24 Hours, 40,80 MPa @ 7 days, 48,96 MPa @ 28 days.
- Good bonding and flexural/tensile strength properties.
- Good resistance to sulphate attacks.
- Stops corrosion.
- Waterproofing.



SCAN TO VISIT WEBSITE



[www.geotechcc.co.za](http://www.geotechcc.co.za)

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