



ROADLAB

Concrete Experts Since 1965



Non-Destructive and Immediate Results

Our non-destructive, non-invasive forensic services provide unparalleled insight into your structures, facilities and the ground beneath your feet.

Our wide range of advanced technology can provide you with real-time interpretations of concrete structures such as bridges, walls and silos, revealing cracks, voids and other integrity issues.

They also allow us to map out the ground beneath your feet, revealing service lines and drain pipes and more.

Our dedicated Concrete Technologist can assess your concrete works, provide practical and economic recommendations and lead teams to resolve complex issues relating to concrete floors, walls and structures.

Our forensic services can provide unique and sophisticated solutions for projects that require sensitive interventions.

General Enquiries

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Roadlab is a level 1 BBBEE contributor with accredited SANAS 17025 (2017) laboratories.

Ground Penetrating Radar (GPR)

Our state-of-the-art non-destructive surface penetrating systems can give you accurate and meaningful insight into any concrete structure.

This includes rebar mapping and locating pre and post tensioned cables, pipes, drains, water lines and live wires to 10m deep.

Once the scans are complete, we provide real interpretations of your structures, earthworks and the ground beneath your feet.



Ultrasonic Pulse Echo and Velocity

Using these non-destructive tests we can scan sub-surface targets in concrete to determine strength and quality.

Concrete strength is assessed by measuring the velocity of an ultrasonic pulse passing through a concrete structure, allowing us to detect honeycombing, slab thickness and crack depths on one or both sides of the concrete element.



Services Scanning

Get real-time interpretations of the ground beneath your feet without the need for drilling or sampling.

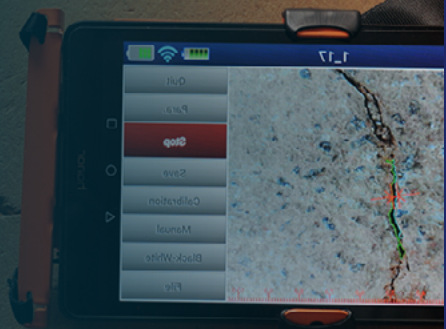
We can provide you with real-time interpretations and detailed mapping of earthworks, work sites, parks and public areas up to 10m deep, showing drain pipes, electrical lines, fibre lines and more.



Crack Width Meter

This determines the width of cracks in concrete structures, walls, floors, tunnels and bridges,

The photographic recording system we employ enables us to provide highly accurate and immediate results, allowing you to better address this critical integrity issue.



BRE Screed Drop Test

This test allows us to determine whether concrete floors are fit-for-purpose.

Any integrity issues or delamination can be mapped out in great detail, allowing us to recommend solutions that consider your unique project and requirements and avoid more severe and costly interventions.

