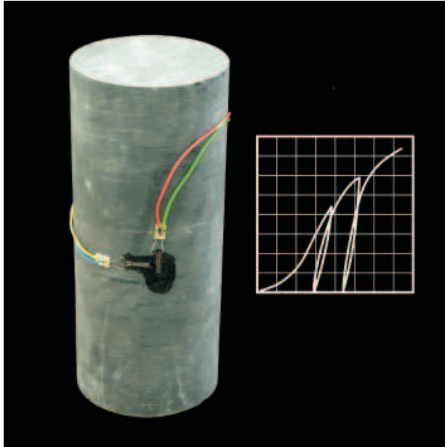




# GEOLABS

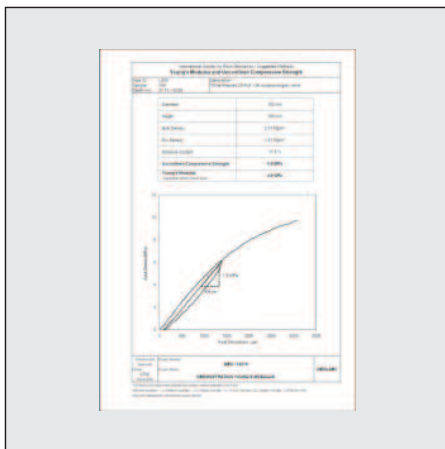
The cornerstone of independent excellence

Soil & Rock Testing for the Geotechnical Community  
**Rock Testing**



## The Analysis

- Uniaxial (Unconfined) Compressive Strength (UCS).
- Young's Modulus and Poisson's Ratio by bonded strain gauges, linear displacement transducers or Hall-Effect transducers.
- Direct Shear Strength using strain controlled shearbox with custom inserts and also by Hoek direct shear apparatus.
- Index (Classification) tests (density, porosities, moisture content, water absorption, particle density etc)
- Durability, Hardness, Tensile, Deformability, Swelling Strain, Ultrasonic P and S waves and Abrasiveness tests performed.
- Point Load Test (PLT) on rock cores and lumps.
- 10% Fines and Aggregate Crushing Value (ACV)



## The Facility

- A laboratory offering a wide range of rock and aggregate testing to National, International and ISRM Suggested Methods and Standards, providing a comprehensive, independent testing and consulting service.
- Multidisciplinary staff experienced in all aspects of soil and rock testing.
- Capability to re-core lump or core samples to give 38 to 100mm diameter specimens.
- Maximum compressive load capacity of 2000 kN (equivalent to 254 MPa UCS at 100mm diameter; 1763 MPa UCS at 38mm diameter)



## The Benefits

- In-house project management systems ensure a flexible approach to progressing testing promptly through the laboratory to deliver reported results within agreed timescales.
- A wide range of in-house soils and rocks testing equipment and expertise ensures that projects requiring a number of testing disciplines can be performed at one source.
- Independent testing facility exclusively devoted to commercial and research geotechnical laboratory testing.
- An all-round service of the highest standard backed by a fully documented quality management system.
- High quality testing and results presentation, both of which can be tailored to your requirements.

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