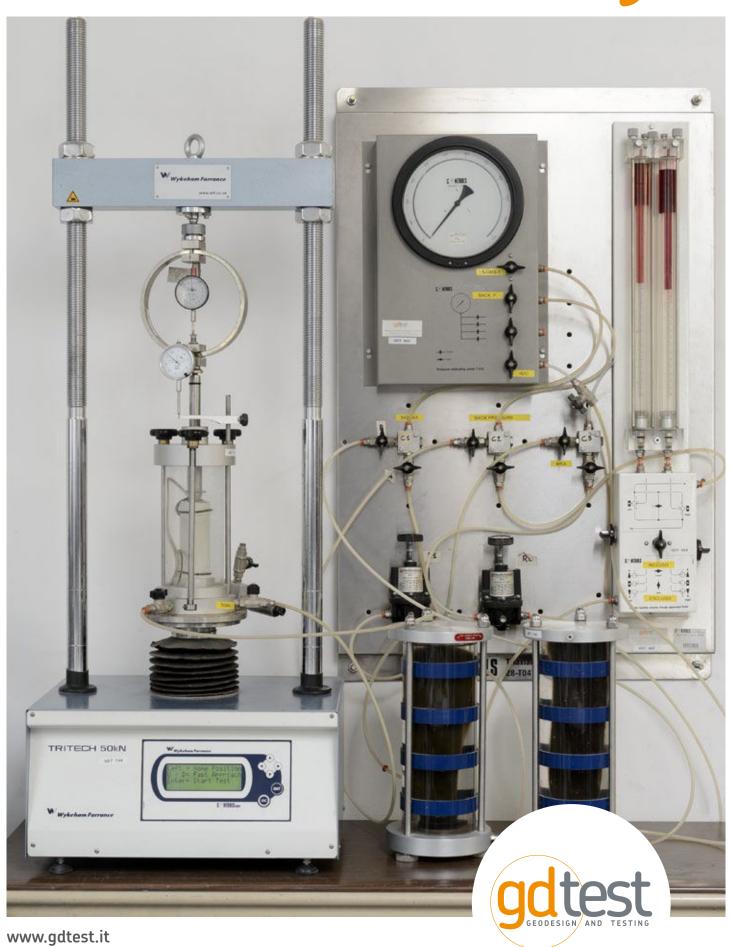
Soil Laboratory



Soil Laboratory

The laboratory is authorized by the Ministry of Infrastructure and Transportation for the execution and certification of Tests on soil and rocks (A & B sectors), aggregates and external tests in compliance with circular n. 7618/STC 2010 ART.59 D.P.R. 380/01



Determination of physical properties

- Particle size analysis for sieving and sedimentation (aerometry)
- Atterberg and shrinkage limits
- Natural unit weight
- Water content
- Specific weight of particles
- Sand equivalent test
- Aggregate shape and flattening indices
- Alkali reaction test
- Carbonate, sulfide, chloride, organic substance content
- Inert waste disposal test for eventual removal or reuse

Characteristics of lime treated soils

- Characterization of natural untreated soil
- Incremental lime mixing treatment and subsequent performance analysis

Performance characteristics of recycled aggregates

 Conformity of recycled aggregates with C annexes of circular n. 5205 dated 15/7/2005



Mechanical property characterization

- Consolidation oedometer tests
- Swelling pressure and index
- Uniaxial compression strength test
- Triaxial compression strength (UU, CU. CD)
- Direct shear test (CD)
- Direct permeability in triaxial and oedometer cells
- AASHTO compaction standard and Proctor compaction test
- CBR and IPT indices
- Los Angeles abrasion test





GD TEST S.r.l | Società unipersonale Legal and operative office: Corso Casale 239 | 10132 TORINO Italy

www.gdtest.it