



Construction Materials Testing

With fully equipped and accredited testing laboratories in Portlaoise, Warrington and Harlow, Testconsult can offer a truly nationwide service across Ireland & the UK.

The principle aim of our organisation is to offer a rapid, reliable and affordable testing service for the construction industry. We can provide this by using the latest testing equipment and concentrating on quality control and staff training.

With our network of laboratories we are able to provide a local and nationwide service and manage small and large testing quantities at short notice. We want to service your testing requirements, what-

ever your needs and provide you with a one stop shop.

Laboratory & Site Testing

All our laboratories are set up to carry out a range of in-situ tests and sampling services, to cover soils, fresh and hardened concrete, aggregates and blacktop.

We can set up temporary site laboratories and arrange accreditation if required on larger road jobs. We service road construction jobs, quarries, civil engineering projects, geotechnical and drilling contractors and local authorities, all with the same aim — to offer an excellent service.

Services

- ◆ **UKAS Accredited across a range of tests to ISO17025**
- ◆ **Fast Efficient Service**
- ◆ **Rapid Result Turnaround**
- ◆ Soils, Aggregates and Bituminous Materials testing
- ◆ Concrete, blacktop and masonry core sampling and testing
- ◆ Concrete Cube making, collection and testing service
- ◆ In-Situ testing including Plate Bearing, CBR & Nuclear Density
- ◆ Chemical analysis of materials
- ◆ Structural testing facilities for component assessment
- ◆ Environmental Studies — Noise, Vibration & Dust
- ◆ Fully Independent Service



See accreditation schedules for full list of accredited tests

Testconsult Services

Concrete Testing

ASR Identification
Carbonation depth
Chemical analysis of hardened concrete
Chloride, sulphate and cement content
Compressive strength of cores
Compressive strength of cubes
Density
Dynamic modulus of elasticity
Flexural strength
HAC Identification
Initial surface absorption
Petrographic analysis
Static modulus of elasticity
Tensile splitting strength
Water absorption

Soils

BS1377 classification tests
Bulk Density
Laboratory CBR
Linear shrinkage
Liquid & Plastic limits
Moisture condition value
Moisture content
Optimum moisture content
Organic matter
Particle density
Particle size distribution
Plasticity Index
Shear Box
Sulphate content/pH Value
Un-drained shear strength
Uniformity coefficient
Chemical & electro-chemical tests
Compaction related tests
Compressibility, permeability etc.

Aggregates

10% fines value
Aggregate abrasion value
Aggregate crushing value
Compaction fraction
Density & absorption
Elongation index
Flakiness index
Frost heave
Los Angeles coefficient
Micro-duval
Moisture content
Particle size distribution
Polished stone value
Slake durability
Soundness
Sulphate content
Water soluble chlorides

Bituminous Materials

Air voids
Chipping binder condition
Chipping rate of spread measurements
Composition
Max theoretical density
Percentage refusal density
PSD & binder content
Texture depth

Site Testing

Aggregate & soils sampling
California bearing ratio tests
Concrete sampling & testing
Contamination land assessment
Diamond coring
Nuclear density
Plate bearing tests
Falling Weight Deflectometer
Rolling straight edge

Environmental

Noise and Vibration monitoring
Equipment hire
Hand-arm-whole body vibration
Dust monitoring
Wind farm environmental studies

Geotechnical Testing

Pile Integrity testing
Sonic logging of foundations
Dynamic load testing of piles
Static load testing of piles
Parallel seismic testing
SPT Hammer Energy Analysis
Transmission tower assessment
Inclinometer & Piezometer installation

Structural Testing

Depth of cover
Half-cell potential mapping
Depth of carbonation
Resistivity
Delamination surveys
Rebound Hammer surveys
Pull-off and pull-out tests
Humidity and moisture levels
Ultrasonic surveys
Structural proof load testing
Component proof load testing
Rate of corrosion monitoring
Dynamic load testing
Stress and Strain measurement
Remote and web monitoring systems

Contact Details

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