

Geotechnical & Site Investigation

Trust
Quality
Progress

Kiwa CMT





In situ CBR Testing

Plate Bearing Testing

Nuclear Density Testing

Geotechnical Laboratory Testing

Bituminous Material Testing

About Kiwa

Kiwa CMT is part of the Kiwa group which is a world top 20 leader in Testing, Inspection and Certification (TIC). Markets we are active in range from street lighting, construction materials testing and energy supply to drinking water, agri food and healthcare.

Kiwa employs over 4,500 people in more than 100 offices in over 40 countries across the world; mainly in Europe, Asia and Latin America.

Kiwa has 6 offices/laboratories in the UK, with geotechnical testing services operating from our Derby laboratory. We cover the UK using our own qualified, experienced technicians.

Kiwa CMT is a UKAS accredited materials consultancy, testing and investigation company providing expert services in environmental, geotechnical, structural, laboratory and site testing for the construction and highway infrastructure sector (including street lighting).

We are UKAS and CHAS accredited and HERS, HEA and Constructionline registered.





Reporting of Test Results

Geotechnical Data is obtained via appropriate site and laboratory techniques advised and conducted by highly qualified and experienced technicians and engineers. The procedures employed meet the quality standard of UKAS accreditation.

Customers receive informative reports supplied to assist and support engineering, design and construction decisions relating to such items as:

- Ground improvement
- Foundation design
- Compaction control of soil aggregate and bituminous material
- Bearing capacity assessment
- Road pavement design
- Sub grade characteristics

Geotechnical & Site Investigation

Our experience in ground investigations is second to none and allows us to provide the optimum scope of services along with the most appropriate methodology; from initial site appraisal to the recommendation of foundation type.

Come to us for:

- Trial Pit Investigation
- Window Sampling
- Dynamic Probing
- Coal Mining Risk Assessments
- Shallow Mine Works Investigation
- Foundation Recommendation
- Existing Foundation Investigation
- Soil Infiltration Testing to BRE Digest 365
- Light Cable Percussive Drilling
- Rotary Open Hole Drilling





Geotechnical Site Testing

- *In situ* plate bearing tests
- *In situ* density
- Nuclear density testing
- Ground, gas and water installation & monitoring
- Diamond core sampling

Our staff will be happy to discuss your requirements and provide testing proposals and costings.



CBR Testing Services

The *in situ* CBR test is described in BS 1377: Part 9, and was developed for measuring the load bearing capacity of soils. This test has the advantage of being relatively quick and inexpensive. Our newly developed in-house software package allows almost instantaneous production of finalised reports once site work has been completed.

Further specialised tests are available, ensuring a complete service from initial appraisal to analysis of findings, meeting the very demanding timescales and technical know-how needs of ground workers, consultants and contractors.



Earthworks

Kiwa CMT is a well-established accredited site and laboratory testing and investigation company. Our range of services extend to providing structural, physical, chemical, geotechnical and geo-environmental testing for a varied client base, in connection with building, construction, civil engineering, highways and associated industries throughout the UK.

Our dedicated and qualified team of experts provide services for all your inspection, testing and investigation needs.



Geotechnical Laboratory Testing

- Particle Size Distribution
- Plasticity Index
- Moisture Content
- Content vs Dry Density
- Undrained Triaxial
- Bituminous Materials Testing
- Constituent Materials
- Los Angeles Abrasion
- Bulk Density Determination
- Aggregate Crushing Value (ACV)
- Aggregate Impact Value (AIV)
- Flakiness Index
- Frost Susceptibility
- Particle Density
- Root Identification
- Polished Stone Value
- Permeability
- Particle Density
- Laboratory CBR

Why Kiwa CMT?

Our highly respected, dedicated and qualified team of **Environmentalists, Chemists** and **Geologists** provide a one stop service for comment, advice, analysis, investigation, assessment and reporting on a range of issues relating to wastes, materials or construction sites.

Kiwa CMT is an accredited site and laboratory materials testing and investigation company, providing an expert scope of services throughout the building construction and civil engineering industries.

These services are covered by five principle departments: Concrete, Chemistry, Geotechnical, Structures and Geo-environmental, offering a whole spectrum of testing within these disciplines.

Our in depth experience is second to none and allows us to provide the optimum scope of services along with the most appropriate methodology from initial appraisals to recommendations or subsequent testing and investigation.



Other Services

- Lighting column testing
- Barrier testing at sports stadia
- Making and testing of concrete cubes for compressive strength & density
- Building product testing, including concrete, asphalt, brick & masonry
- All phases of ground contamination site investigation
- Waste acceptance criteria testing
- Structural investigation, inspection and testing
- Chemical analysis of principle construction materials
- Investigation of problems & failures within construction materials
- Verification of topsoil to BS3882.

Kiwa CMT

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