



## Testing and Analysis of Mortars, Screeds and Plasters



Whether matching repair materials to ensure compatibility and continuity, investigating reasons for in service failure or checking compliance with specification, it is of upmost importance to undertake a sufficient level of testing to enable adequate interpretation and understanding of the materials under investigation.

We provide a fully supportive technical service aligned to client requirements and circumstances comprising:

1. Appropriate sampling techniques and exercises based on the age and type of structure and nature of the materials in question.
2. Formulation and scheduling of appropriate analytical and test regimes.



Kiwa:  
the home of  
independent high  
quality testing

## How can we help?

### Relevant testing techniques including:

- Examination in hand specimen under low magnification.
- Thin section microscopy
- 'Wet' chemical analysis to BS 4551 to determine binder type and information for calculating mix proportions.
- XRD, SEM, SEM/EDX, instrumental methods to provide data on crystalline materials including binder phases, surface and structural details and elemental/compositional analysis.
- Physical tests – pore structure, porosity/permeability, freeze/thaw resistance and pore size distribution.
- Reporting to requisite levels from factual only to fully interpretive.
- Budget or fully detailed costings as appropriate.

### Other Services:

As an inspection, testing and investigation company with over 35 years of service to the construction, civil engineering, environmental and associated industries. Kiwa CMT Testing provides our clients with a comprehensive scope of laboratory and site testing and investigative operations, under the following headings:

- Contaminated Land
- Offsite Disposal
- Chemical Analysis
- Concrete & Mortar
- Building Products
- Geotechnical Investigations
- Lighting Column Testing
- Structural Investigations
- Sports Stadia Barrier Testing

We provide key on-site and off-site investigative, consultative and testing services. For our clients we are 'The Obvious Choice'.



### How to contact us

Please call us on +44 (0)1332 383333 or email: [cmtenquiries@kiwa.co.uk](mailto:cmtenquiries@kiwa.co.uk) and we will get straight back to you. Why? Because we like to help.

[www.kiwa.co.uk](http://www.kiwa.co.uk)

Kiwa CMT Testing  
Unit 5 Prime Park Way  
Prime Enterprise Park  
Derby.  
DE1 3QB

**Telephone:** +44 (0) 1332 383333  
**Fax:** +44 (0) 1332 602607  
Email [cmtenquiries@kiwa.co.uk](mailto:cmtenquiries@kiwa.co.uk)  
**Web:** [www.kiwa.co.uk](http://www.kiwa.co.uk)