

Specialist Testing Services

“Our scientists provide reliable information
and unique data.”



centralchemical
consulting



Infra Red Spectroscopy

- Characterisation, verification and quantification of materials and products

Scanning Electron Microscopy (SEM)

- Characterisation of material surfaces

Thermal Analysis and Calorimetry

- Thermogravimetric analysis (TGA), differential scanning calorimetry (DSC) and differential thermal analysis (DTA)

Electrochemical Workstation

- Full range of electrochemical techniques including cyclic, pulse and AC voltammetry

UV/Visible Spectrophotometry

- UV/Visible spectra and colour measurements

Rheology

- Rheological measurements of liquids, slurries and pastes

Colloid and Slurry Testing

- Zeta potential measurements
- Particle sizing measurements
- Settling rate measurements
- Solid bed density measurements
- Acoustic attenuation measurements

Additional Measurement Capabilities

- Laboratory based corrosion test work
- Carbonation front determination for concrete
- Chloride ingress into concrete
- pH, conductivity, chloride, dissolved oxygen, density and moistures
- Comprehensive caustic liquor analysis



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