



## ***Infra Red Spectroscopy***

- ▶ Characterisation, verification and quantification of materials and products

## ***Scanning Electron Microscopy (SEM)***

- ▶ Characterisation of material surfaces

## ***Thermal Analysis and Calorimetry***

- ▶ Thermal gravimetric 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

## ***Particle Sizing and Surface Charge***

- ▶ Measurement of zeta potentials and particle sizing

## ***Additional Measurement Capabilities***

- ▶ Laboratory based corrosion test work
- ▶ Carbonation front determination for concrete
- ▶ Chloride ingress into concrete
- ▶ Acoustic attenuation measurements
- ▶ pH, conductivity, chloride, dissolved oxygen, density, moistures, caustic liquor analysis and settling tests