

## Central Laboratories

# Summary Guide to Laboratory Services

The Laboratories Group offers a comprehensive and growing range of laboratory-related services in the field of civil engineering materials, including a wide selection of standard and non-standard examination, analysis and testing procedures.

Discipline	Summary of available services	Contact
<b>Construction Materials</b>	<p>Concrete, screed, grouts, epoxy resins, aggregates, cement, pfa, ggbs, admixtures, bricks, precast concrete units, cast stone and bituminous materials. Physical and mechanical testing, materials evaluation and mix design to National and International Standards.</p> <p>Specialised services include non-destructive testing, slip resistance tests, on-site concrete condition surveys for cover to steel and carbonation, core and dust sampling, HAC concrete assessment, fire damage and failure investigation.</p>	<b>Richard Rogerson</b> <b>Doug Hunt</b>
<b>Chemistry</b>	<p>Applied chemical analysis and consultancy covering materials related to construction, ancient and modern.</p> <p>Specialised services include composition assessment of modern and historic mortars, screeds and plasters, investigations for contamination in buildings, analysis of paints, plastics and sealants, environmental analysis incl. water, fire damage analysis, corrosion analysis and assessment, investigations for stone deterioration on historic buildings.</p>	<b>Gavin Mayers</b>
<b>Geology/ Geomaterials</b>	<p>Natural stone for facades and floors. Dimension stone, slate, rock, aggregate, concrete, cements, cement replacement materials, slags and soils.</p> <p>Consultancy services, geomaterials assessment and testing to National and International Standards. Petrographical and mineralogical examinations, engineering geology including site investigation, soils testing and quarry problems.</p> <p>Scanning Electron Microscopy and X-ray Microanalysis.</p>	<b>David Ellis</b> <b>Mike Eden</b> <b>Panos Sotiropoulos</b>
<b>Metallurgy</b>	<p>Routine testing, inspection, analytical services and failure investigations on components and structures. Metallurgical process evaluation including welding and welding procedure approvals. Diagnosis of corrosion problems. Fire and bomb damage assessment.</p> <p>Load testing of lifting beams, lifting equipment, floors, parapets, crowd control barriers, crash barriers, buildings and structures.</p> <p>Non-destructive testing on site and in the laboratory for investigational work and assessment of finished components, including LP, MP, UT and RT.</p> <p>Specialist and proof/approval testing of new components and materials.</p>	<b>Simon Clarke</b> <b>John Caldon</b> <b>Simon Morris</b>

To discuss your needs please contact specific individual above or

**Neil Sandberg**, *Managing Partner*

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