

Concrete Testing

STATS Consulting

- Interpretative comment and recommendation for remediation
- Designated non-destructive testing and/or material sampling

STATS Materials Laboratories

- UKAS accredited materials testing and data analysis
- Wide range of physical, chemical and examination services

STATS provide a comprehensive range of UKAS accredited tests on hardened concrete for the purpose of quality assurance and structural investigation including:

Material Condition

- Visual description and photography
- Petrographic examination (see separate leaflet)

Material Properties

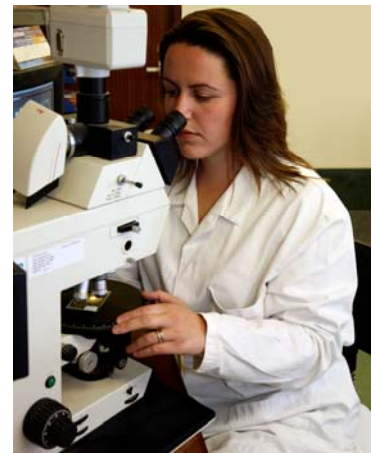
- Strength and other physical testing
- Drying shrinkage
- Chemical analyses
- Presence of HAC and its condition

Modes of Failure/Deterioration

- Durability analysis
- Sulfate attack, ASR potential and diagnosis
- Structural load testing

Compressive strength testing of concrete cubes and cores (including density) is carried out in accordance with BS EN 12390 and BS EN 12504 respectively. The compressive strength of cubes can also be carried out to BS 1881-116, on request.

Special facilities for curing and storage of concrete samples in controlled environmental conditions are available. STATS site engineers and technicians have the expertise and capability to take samples on-site, and to provide quality control of site practices.



Petrographic Analysis and Examination



On-site concrete core sampling



Compressive strength testing

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