

# Concrete (Fresh and Hardened)

With experienced field technicians, Ian Farmer Associates are able to provide a comprehensive testing and inspection service to confirm the quality of fresh and hardened cementitious materials including grout, mortar and concrete.

This encompasses on-site manufacturing of test cubes, checking workability (slump) and subsequent laboratory tests, including the determination of density and compressive strength. Ian Farmer Associates also offer a collection service for cubes which are cured in constant climatic conditions in preparation for testing.

Our on-site sampling of fresh concrete includes:

- Workability (slump)
- Workability (flow table)
- Air Content
- UKAS Accredited Density
- Production of test cubes (100mm<sup>3</sup>)

Chemical analysis can also be undertaken at our Washington based laboratory which can provide information regarding the cement content used or the ratio of cement and sand in a mortar mix.

Ian Farmer Associates offer analysis and inspection of hardened concrete samples; these can be delivered to, collected or sampled Ian Farmer Associates. Testing is carried out to British and European Standards, and includes:

- UKAS Accredited Core density and strength
- UKAS Accredited Carbonation depth
- UKAS Accredited Chemical analysis for determination of Chloride Ion content
- Chemical analysis for determination of Sulphate content
- High Alumina cement identification
- Cement content

» [See more about our accreditation](#)

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