

## STATS Consulting

- An independent consultancy service providing scientific materials evidence

## STATS Materials Laboratories

- In-house UKAS accredited examination and analysis of construction materials

Successful resolution of Civil Disputes or reliable conclusions in Criminal Cases often benefits from expert scientific opinion regarding the identification and comparison of materials, their properties and their provenance. The credibility of the chosen expert in such cases is enhanced when qualifications are allied to practical experience and thorough understanding of the range and application of the specialist laboratory techniques used.

The multi-disciplinary STATS team consists of practising construction materials experts, scientists and engineers who have valuable experience in all relevant aspects of the earth and physical sciences, including natural and synthetic materials, both ancient and modern. The team is supported by an in-house UKAS accredited laboratory and skilled technicians.

The team has practical experience of Expert Witness work, in advising Barristers, Solicitors and legal teams and in giving evidence in Court. Instructions are regularly accepted variously from both the prosecution (or claimant) and defendants, or in civil cases as a single joint expert.

### Some of the Specialist Analytical Techniques Used

- infrared spectroscopy
- high-power optical petrological microscopy
- scanning electron microscopy
- electron probe/micro-analysis
- fluorescence microscopy
- dye penetration
- X-ray diffractometry
- gas chromatography
- surface analysis techniques



Microscopical examination



Analytical assessment



Expert advice

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