

STATS Consulting

- Guidance on specification, selection and design
- Failure investigation and remediation advice

STATS Materials Laboratories

- UKAS-Accredited testing
- In-house developed methods for bespoke applications

STATS has proven experience in the provision of consultancy, inspection and testing services for natural stone, slate and related products that are used in all aspects of construction. These services are equally relevant to proper selection and approval of stone for new build and to assessment of materials used in historic buildings and heritage restoration works. Our specialists mediate in the event of dispute by provision of an expert witness service when called.

- Specification – fixing methods and materials
- Assessment - historic buildings and restoration
- Failure Investigation – suspected and actual
- Expert Witness
- Resource Evaluation – feasibility
- Material Suitability – new build

The dedicated Stone and Slate Technology team at STATS (SST@STATS) incorporates a UKAS-accredited laboratory that provides investigative, type and approval testing in accordance with the full range of British and European standards. American and other in-house bespoke methods can also be provided. Contact the team for professional advice and for the design of economically appropriate test programmes, including:

- Discolouration
- Flexural Strength
- Abrasion
- Compressive Strength
- Stain Resistance
- Petrography
- Salt Crystallisation
- Slip Resistance
- Cladding Technology

Supplier datasheets can, of course, be used as a guide to expected performance. However, being a natural material, stone properties can be variable and the team would always advise that a programme of project-specific testing be undertaken.



From the quarry...



...into the laboratory...



...onto the site

Stone and Slate Technology

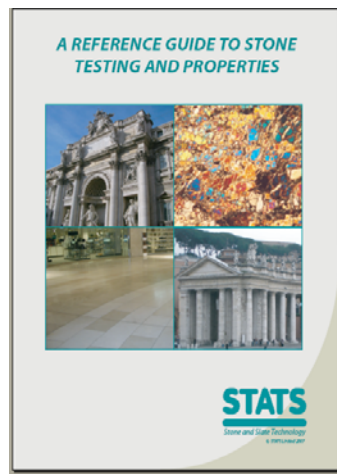
Our expertise extends to the following typical building element applications:

- Internal flooring
- External paving
- Slate roofing materials
- Handset and pre-fabricated cladding
- Masonry walling stone and associated mortar
- Resource evaluation & materials suitability assessment

Further, detailed guidance on the testing and performance characteristics of stone is also available in a new publication:

A Reference Guide to Stone Testing and Properties
Published: October 2007 ISBN No. 978-0-9556994-0-5

This new guide is intended to provide anyone with an interest in stone and slate with important information on the performance characteristics of these materials, coupled with an explanation of the most appropriate tests.



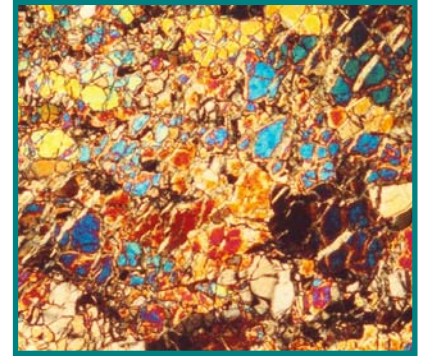
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