

# MATERIALS TESTING

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Research, Investigation, Quality Assurance

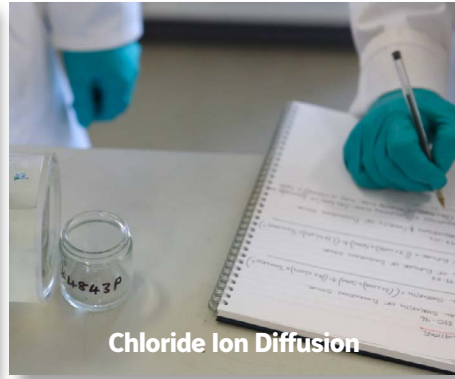


FUTURE SOLUTIONS  
FOR A BETTER BUILT  
ENVIRONMENT, TODAY

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Flexible Strength Testing



Chloride Ion Diffusion



Core Sampling

## Our laboratories provide world class materials testing facilities.

### Research:

- Improve product performance

### Investigation:

- Expert defect analysis and remedial advice

### Assurance:

- Independent project Quality Control checks

### Concrete Tests:

- Water penetration
- Water permeability
- Moisture vapour transmission
- Oxygen diffusion
- Water sorption
- Resistance to freeze-thaw
- Microscopical examinations
- Drying shrinkage
- Water expansion
- Concrete dust chloride analysis
- Bulk chloride diffusion
- Chloride ion penetration
- Compressive strength
- Static modulus of elasticity

### Coatings:

- Carbon Dioxide diffusion
- Methane permeability
- Water vapour transmission
- Liquid water transmission
- Water penetration
- Chloride ion diffusion coefficient
- Bulk chloride diffusion
- Adhesion (pull-off) testing
- Crack bridging ability
- Artificial weathering

The above list is not exhaustive:-

Other products and tests carried out include:

- Adhesives & sealants
- skid/slip-resistance testing on flooring (site and laboratory)
- natural stone testing
- simulated Radon permeability on membranes

### Accreditations:

- UKAS testing laboratory No. 0057
- ISO 9001:2008 Quality Management System
- ISO 14001:2004 Environmental Management System
- BS OHSAS 18001:2007 Occupational Health and Safety Management System
- Notified Body Number: 1766