

# Defects and Deterioration of Concrete

- causes, prevention and remedies

Thursday 19 April 2018

Concrete Society, Riverside House, 4 Meadows Business Park,  
Station Approach, Blackwater, Camberley, Surrey, GU17 9AB

The Concrete Society is running a Technical Seminar of presentations relating to aspects of potentially structurally significant concrete defects and deterioration. These will cover common causes of deterioration and methods of specifying a suitably durable concrete.

The event will offer an in-depth insight for Engineers, Architects, Supervisors and Students with the focus on understanding the physical and chemical mechanisms of concrete and reinforcement deterioration, together with the resulting consequences. Includes topics relating to the investigation, testing and assessment of suspect concrete and also details of common remedial techniques.

The day starts with Registration at 09:15 and will close at approximately 15:30 following a summary of the day's event. A full agenda for the day will be issued upon receipt of applications, including directions to the venue. A literature pack will be supplied including electronic copies of all slides presented.

*Key topics to include:*

- Essentials of concrete composition and performance
- Common defects
- Cracking forms and consequences
- Physical deterioration of concrete
- Chemical deterioration of concrete
- Deterioration of reinforcement
- Factors affecting type of deterioration
- Factors affecting rate of deterioration
- Specification of durable concrete
- Achieving durability from practical construction methods
- Preliminary inspections
- Sampling and test sites
- In situ testing
- Laboratory testing
- Evaluation of test results
- Achieving successful repairs

*Please note that lunch and refreshments are included.*

Fee: £135 (Concrete Society members) +VAT or £175 (non Concrete Society members) +VAT. A **10% discount is available for multiple delegate bookings**. An invoice will be issued upon receipt of the booking. At least 3 days' notice is required for full refund. Late cancellation refund at the discretion of the Society. **Space is limited so ensure to book early!**

*For further information and a booking form please contact;*

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