

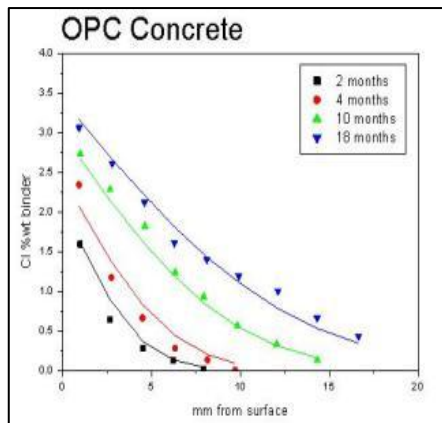


The Institute of Concrete Technology

45th Annual Convention Symposium

Are concrete durability problems a thing of the past?

6th April 2017



The Queens Hotel
Leeds
LS1 1PJ



Sponsored by Hanson Cement



<http://ict.concrete.org.uk>

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Concrete is the means of creating modern superstructures and buildings. As such the intention is that it should be long lasting. However, the last 50 years or so have shown that concrete can be vulnerable given hostile environments and demanding specifications. As a result of this experience innovation in materials and design have resulted in concrete that will be durable – or has it?

Diagnostic techniques have improved allowing better judgements on concrete's wellbeing to be made in a wide range of applications.

These issues will be presented and discussed in order to reconfirm or question ongoing assumptions about concrete and the methods used to both make and exploit its capabilities.

Provisional Programme

TECHNICAL SYMPOSIUM	
Chairman's Introduction	Professor P A M Basheer, University of Leeds
Performance based design and specification for concrete	J Knights, Jon Knights Materials Consulting Limited
Methods of assessing the durability and service life of concrete structures	Professor P A M Basheer, Chair in Structural Engineering, University of Leeds
Should durability be a barrier to the use of crushed concrete aggregate in structural concrete?	Dr C Goodier, Senior Lecturer, University of Loughborough
Ternary cements containing limestone - a plan to validate durability performance in concrete	John Lay, Product Quality Director, Cement & Building Products, CEMEX
The performance of an organic corrosion-inhibiting admixture - 18 years of field experiences	M Bakalli, Sika Technology AG, Switzerland
Overcoming barriers to achieving durable concrete structures in severe exposures: a North American perspective	Professor R D Hooton, University of Toronto, Canada
The ability of concrete to resist hostile environments	Professor P Robery, Director, Robery Forensic Engineering Limited
Understanding bridge durability and maintenance requirements	Dr C Christodoulou, Director, AECOM
Case study: Queensferry Bridge	R Hornby, Director, Bridge and Civil Structures, Arup

CPD-approved by The Institute of Concrete Technology