MIDLANDS REGION

Wednesday 9th April 2014

TR22 Non-structural Cracks in Concrete - causes, symptoms and remedial actions

University of Birmingham, Design Centre, Mechanical and Civil Engineering Building (Y3), Edgbaston, Birmingham B15 2TT

Half- Day Seminar arranged by Concrete Society Midlands Region

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00 – 14:05</td>
<td>Introduction &amp; Welcome</td>
<td>Neil Jackson (Hanson)</td>
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<tr>
<td>14:05 – 16:45</td>
<td>Non-structural Cracks in Concrete - causes, symptoms and remedial actions</td>
<td>Ian Heritage (Concrete Society)</td>
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<td>16:45 – 17:00</td>
<td>Questions</td>
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<td>17:00</td>
<td>Depart</td>
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Cost £70 + VAT per delegate (includes lunch and refreshments).

The Concrete Society is running a half day Technical Seminar of presentations relating to aspects of concrete cracks, defects and deterioration.

Cracks are often unpredictable, however they can be minimised and controlled by careful attention to design details and construction techniques. The speaker will explain the principles governing the formation of cracks in concrete and define the types which can occur. The factors which govern these cracks will be described so that diagnoses may be made and procedures for control suggested. Finally the seminar will consider some of the methods and materials used for remedial work. Special reference will be made to Concrete Society Technical Report 22 ‘Non-structural cracks in concrete’. Other common aspects of concrete defects will also be considered.

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 cracking, together with the resulting consequences. Includes topics relating to the investigation, testing and assessment of suspect concrete and also details of common remedial techniques.

Speaker
Dr Ian Heritage joined the Concrete Society in 2011 as a Concrete Advisory Service Engineer with a particular remit to produce educational materials. His previous employment for 9 years involved front line technical support to customers of Lafarge Cement. Prior academic work has included an MSc and PhD based around cement and concrete materials.
Copies of Concrete Society Technical Reports will be available to order on the day at a *special discounted rate* for non-members of the Concrete Society.

**Non members are especially welcome**

For further details and registration please email Homayoon Pouya, (e-mail Homayoon.Sadeghipouya@atkinsglobal.com).

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**FUTURE EVENTS**

2014

20th May  
“Midlands Concrete Society Annual General Meeting”  
Amey Offices, Birmingham, 16.00 - 17.30.