The Institute of Concrete Technology

Supported by SCI Construction Materials and The Building Limes Forum

Natural Cements for Repair and Renovation of Heritage Structures

27th June 2013

Sponsored by

SCI
14/15 Belgrave Square
London
SW7 8PXS

http://ict.concrete.org.uk
New cement plants have been set up in Europe to manufacture natural (or so-called “Roman”) cement. This cement produces an ochre coloured breathable material which can be used for repair and re-forming of architectural details which is much more sympathetic for the repair of heritage structures. To overcome the limitations of its quick setting properties by using additives and by different mixing techniques we are effectively rediscovering skills that artisans and masons must have had in past times.

Natural or Roman cements, were key materials for the economic and easy manufacture of renders and cast architectural details for the exteriors of buildings during the nineteenth and early twentieth century. Roman cements were produced by burning naturally occurring deposits of calcium carbonate rich in clay minerals below their sintering temperatures and grinding burned stones to a required fineness. The materials offered a high speed of set, beautiful texture and warm ochre colour imitating those of natural stones, and could withstand exterior conditions very effectively. The production and use of Roman cement production peaked in the 1840s and 50s, and declined with the dominance of the newer Portland cement on the market and modern functional architecture with its absence of ornament.

For a long time, conservation of the architecture of the late nineteenth and early twentieth century did not receive the same considerations as other periods, one of the principal reasons being lack of original historic binders which would closely match those of the original structure.

Recently a large European research programme, called “Rocare” (www.rocare.eu), has extensively investigated historic renders based on Roman cements and will be addressed by the speakers. The meeting will be of interest to architects, consultants, materials suppliers, engineers and anyone with an interest in the preservation of historic structures.

Recognised by ICT for continuing professional development (CPD)
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<th>Cost £</th>
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<tr>
<td>ICT/Concrete Society/SCI Construction Materials, The Building Limes Forum</td>
<td>120 + Vat</td>
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<td>Non-Members</td>
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Exhibition

Exhibition spaces: £ 250 + Vat

3m x 2m exhibition stand space, includes one delegate pass for the event

Delegate Details

Surname          Forename
Title             Tel
Position          Fax
Organisation
Address

Email
Dietary requirements
Date

PAYMENT OPTIONS

A Cheque: Please make cheques payable to The Concrete Society
Please send it with completed form to:
ICT  c/o The Concrete Society, 4 Meadows Business Park, Blackwater, Camberley, GU17 9AB

B Credit Card: ACCESS/VISA/MASTERCARD/BARCLAYCARD only please
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C BACS payment: HSBC Bank Plc, Twickenham Branch, 2 London Road, Twickenham, TW1 3RY
A/C no: 11614398, Sort code: 40-44-39, A/C name: The Institute of Concrete Technology.
Please quote the invoice number when making payment

Deadline: 14th June 2013
Late bookings will be accepted subject to availability

Cancellation charges
7 days before the event
No refund but substitution can be made.

Contact: Edwin Trout at ict@concrete.org.uk