



Institute of Concrete Technology

Calcined Clay UK Perspective



26 November 2024

Supported by

Construction Materials Group of SCI

London and Southeast Region- Concrete Society

Venue

Society of Chemical Industry

14/15 Belgrave Square,

London SW1X 8PS

Calcined clay UK Perspective

UK concrete and cement manufacturing currently accounts for 7.7 million tonnes of carbon dioxide emissions, equating to 1.5% of the country's total carbon emissions. To produce concrete with lower carbon various supplementary cementitious materials have been used however their supply is being reduced due closure of power stations and change in manufacture of steel. Calcined clay has been identified as a supplementary cementitious material, which has been used in several countries around the world. The seminar will outline the research work carried out in UK, standards, hydration characteristic, durability studies, demonstrate applications and example of use on site.

Provisional Programme

Welcome	Raman Mangabhai Chair of Events, ICT
Chair's Introduction	Diana Casey Executive Director, MPA
Calcined Clay ReC3 MPA Report	Colum McCague & Roger Griffiths MPA
Standardisation of calcined clays for use in cement and concrete	Fragkoulis Kanavaris Arup
Hydration and fresh properties of ReC3 Calcined Clay	Yun Bai University College London
Durability Performance of Reclaimed Calcined Clay Concrete - ReC3 Project.	Moray Newlands University of Dundee
Effect of Thermal Activation Technology of Clay on Climate Change Impacts of Limestone Calcined Clay Cement	Leon Black & Anusha Shimoga Basavaraj University of Leeds
Impact of meta-kaolinite content of the calcined clay source on concrete performance	Yuvaraj Dhandapani University of Leeds
Excavation London Clay utilisation in Concrete applications on the HS2 London Tunnels project	Apostolos Tsoumelekas Skanska Costain STRABAG jv
Unlocking the potential of UK clays for the production of low-carbon cements	Ilda Tole University of Bath



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Delegate Rates and Registration Form

REGISTRATION FEES		
Category	Membership status	Total (inc VAT)
A Calcined Clay	ICT/Construction Materials SCI	£ 108
	Non-member	£ 150
	Student/Retired	£ 48
B Exhibition	Includes one delegate	£ 480
		Total

Delegate Details			
Surname		Forename	
Title		Tel	
Position		Fax	
Organisation			
Address			
		Post code	
Email			
Dietary requirements		Date	

PAYMENT OPTIONS	
A	Online card payments can be made via paypal at https://www.theict.org.uk/payment-ccs.asp Delegates will receive a vat applicable invoice separately
B	BACS payment: HSBC Bank Plc, 41 Sandgate Road Folkestone Kent CT20 1SA HSBC Bank, Institute of Concrete Technology (The) Sort Code 40-21-15, AC 41691643 IBAN GB43MIDL40211541691643 Please quote the invoice number when making payment
C	Cheque: Please make cheques payable to The Institute of Concrete Technology
VAT Registration No: GB 192 9085 74	
Please send completed form to: Edwin Trout, Executive Officer. Email: ExecutiveOfficer@theict.org.uk Post: c/o The Institute of Concrete Technology, Suite 1, Ground Floor, Sandhurst House, 297 Yorktown Road, Sandhurst, Berkshire, GU47 0QA, UK	

Deadline for registration: 19th November 2024

Cancellation charges

Seven days before the event: No refund, but a substitution can be made.

One month before the event: 10 % will be deducted for administration.