



THE IRISH
CONCRETE
SOCIETY

Technical Seminar

One hour CPD

Introducing our new occasional online series of

Lunchtime Seminars

Series 1: Innovation

Practical applications of recent Irish research in concrete technology

First Talk: Activating GGBS for use in Precast Concrete

Presented by: Prof Roger West, Dr Chaaruchandra Korde, and Matthew Cruickshank (TCD)
with John Reddy (ECOCEM)

15th September 2020 at 1pm

Email: events@concrete.ie to register

Introduction

A research team from Trinity College has finished a very extensive in-field and laboratory investigation into how the known fact that high percentage GGBS mixes normally have slower hydration rates might be overcome in precast works. Normally GGBS's inclusion is less suited to the very early age stress-transfer and/or striking times so paramount for productivity in precast factories. This talk will describe how 0, 30, 50 and 70% GGBS precast concrete mixes for hollowcore slabs were refined in an attempt to activate the GGBS at a very early age. Techniques used included using a new GGBS accelerator, more efficient thermal curing, higher fineness GGBS and a novel practical technique for compacting cubes to give more reliable 22 hour compressive strengths.

Who should attend

This presentation will be of interest to all those who are involved in the design, specification and construction of concrete. Those who should attend include consulting engineers, engineers in contracting firms, specialist concrete sub-contractors, concrete and precast concrete producers, precast concrete design and concrete technologists.

Agenda

13.00 Welcome and Introduction

13.05 Activating GGBS for use in Precast Concrete

Prof Roger West (Principal Investigator), Dr Chaaruchandra Korde (Researcher), and Matthew Cruickshank (Researcher)
Trinity College Dublin

13.45 Questions and Answers

Prof Roger West, Dr Chaaruchandra Korde, Matthew Cruickshank, and John Reddy, Ecocem

14.00 Ends

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Information on future talks in this series will follow, for further information, see: <https://concrete.ie/technical-seminars/>

The Irish Concrete Society is a not for profit learned body established in 1973 to support and encourage excellence in the use of concrete

www.concrete.ie