



IRISH  
CONCRETE  
SOCIETY

## Technical Seminar

# When the Cube Fails: What to do when strengths appear not to be as specified

### Who should attend:

- Main Contractors
- Design Engineers
- Resident Engineers
- Specialist Sub-Contractors
- Site Supervisory Personnel
- Ready-mixed Concrete Producers

**5th December 2023**

***A half-day online seminar examining the causes and  
consequences of low cube results***

[www.concrete.ie](http://www.concrete.ie)

## Introduction

*The strength of concrete is primarily measured by the testing of cubes made from the fresh concrete supply. On occasion lower than expected test results may be received, casting doubt over the quality of the concrete in a structure. While many factors may disrupt construction schedules, few are more frustrating than questions concerning concrete quality. Therefore, the causes of these failures need to be identified in order for the correct course of action to be taken.*

*Delivered by highly experienced industry professionals, this seminar will explain the differences between cube strength and in-situ concrete strength, together with the course of action in the event of cube failure. In addition, the seminar will advise on how results should be interpreted, and the consequences to all parties of poor practices.*

*This seminar will provide crucial information for Design Engineers, Site Engineers, those in supervisory roles and all who are interested in the efficient delivery of quality concrete structures.*

## Seminar Content and Speakers

- 10.00 Welcome and Introduction**
- 10.05 What Constitutes a Failure**  
TBC
- 10.35 Good Practice**  
Keith Goodwin, Kilsaran
- 11.05 Break**
- 11.15 Actions in the Event of Non-compliant Concrete**  
Alan Mullane & Micheál Byrne, John Sisk & Son
- 11.45 Further Testing and Results**  
Deborah Adair, Mattest
- 12.15 Outcomes**  
David Moore, Punch Consulting
- 12.35 Case Study**
- 12.45 Q&A**
- 13.00 Ends**

## Date

**Online: 5th December 2023, 10.00am to 1pm**

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## Fee

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**ICS Member: €80 / delegate**

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**Non-member rate: €130 / delegate**

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A booking discount of 10% applies to groups of 5 or more

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**CPD: 3 Hours**

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## Booking Information

**Booking email: [events@concrete.ie](mailto:events@concrete.ie)**

Please state clearly the event name, the names of all delegates, their email address(es) and company, as well as a contact email and phone number for the booking.

Cancellations: A cancellation fee of 50% may be charged for confirmed bookings cancelled within 2 working days prior to the event. Non attendances may be charged the full fee. Replacement delegates may attend instead.

All cancellations must be confirmed by email.

This seminar is subject to a minimum number of participants. The Irish Concrete Society will not be liable for any costs incurred in the event of the rescheduling of this seminar.

## Payment Options

**Cheques:** payable to: The Irish Concrete Society, return to:  
Platin, Drogheda, Co. Louth.

**Card Payment:** email [office@concrete.ie](mailto:office@concrete.ie) for details

**Electronic transfer:** Quote company name in the transaction reference, return to:  
[events@concrete.ie](mailto:events@concrete.ie)

**Name:** The Irish Concrete Society    **Branch:** Bank of Ireland, Blackrock, Co. Dublin  
**Sort Code:** 90-10-28    **Account Code:** 85791285