



IRISH
CONCRETE
SOCIETY

Technical Seminar

How and Why Cubes Fail

Who should attend:

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

17th April 2026

A short online seminar examining the causes of concrete cube failure

www.concrete.ie

Introduction

Concrete is a complex and variable material, with cube samples tested to ensure that the strength of the structure meets the design specification. Occasionally test results come back below the specified strength, which may be indicative of a trend in lower results, or an isolated cube test that has failed for some other reason.

Either way, low test results can call into question the safety and durability of a structure, leading to often costly and time-consuming investigations or remedial actions.

Delivered by two highly experienced industry professionals, this seminar will explain the reasons why concrete testing is carried out, the different types of strength tests, what is a failure and how concrete constituents influence strength.

Our speakers will also examine the causes of cube failures and provide valuable information on correct sampling and testing procedures, in addition to action in the event of a failed strength test result.

Who Should Attend

This seminar will provide crucial information for Structural Engineers, Site Engineers, Main and Specialist Sub-Contractors, Ready-mixed Concrete Producers and all who are interested in the efficient delivery of quality concrete structures.

Seminar Content and Speakers

10.30 Welcome and Introduction

10.35 What is a Failure and How Results Fail

Vincent Anderson, MTS Ltd

11.10 Why Cube Tests Fail

Barry Gilroy, Mattest

11.45 Q & A

12.00 Ends

Date

Online: 17th April 2026, 10.30am to 12pm

Fee

ICS Member: €95 / delegate

Non-member rate: €145 / delegate

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

CPD: 1.5 Hours

Booking Information

Booking email: 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 event is subject to a minimum number of participants.

The Irish Concrete Society reserves the right to make adjustments to content and speaker line-up.

The Irish Concrete Society will not be liable for any costs incurred in the event of the rescheduling of this event.

Payment Options

An invoice will be issued for each booking with payment options provided. Please note that for non Irish Concrete Society member bookings either a company PO number or payment in advance is required to secure.