



IRISH
CONCRETE
SOCIETY

Joint Technical Seminar
1 hour CPD

Institute of
Concrete
Technology



Advanced Concrete Technology Lecture

Use of Recycled Aggregate in Concrete

Who should attend:

- Concrete Producers
- Concrete Technologists
- Design and Consulting Engineers
- Main Contractors
- Agents of the CDW Sector

Presented by:

Prof. Jorge de Brito

Instituto Superior Técnico, University of Lisbon

14th October 2025 at 5.45pm

Simon Perry Building, Trinity College Dublin

Email: events@concrete.ie to register

Introduction

Recycled aggregate concrete improves the added value recovery of better quality construction and demolition waste (CDW), avoiding its use for road construction or in landfilling and reduces the extraction of mineral resources. CDW production and demand for concrete are well matched, leading to small incorporation ratios of recycled aggregates having a very meaningful effect on the overall recovery ratios of concrete waste. Further, it opens the way for other, more profitable, avenues for CDW recovery, such as the use of recycled fines, after forced carbonation or thermal activation, as cement replacement. Notwithstanding the wealth of research on recycled aggregate concrete, its use as a structural material in most EU countries is met with reservations by the several agents involved in concrete construction. This presentation summarises the main ideas of a Science for Policy Report of the Joint Research Centre, overviewing the science behind recycled aggregate concrete, the current status for CDW recovery in the EU, and measures to promote recycled aggregate concrete as a common structural material.

Who should attend

This free-to-attend lecture will be of interest to all those who are involved in the specification and production of concrete, to contractors and other agents of the construction sector and to those involved in construction and demolition waste management, and policy makers.

Speaker Biography

Jorge de Brito is a Full Professor at Instituto Superior Técnico (IST), University of Lisbon, Portugal. His main research stream deals with the development of eco-efficient cementitious materials where he has extensive work. He is a Honorary Fellow of the Institute of Concrete Technology since 2022 and is presently a co-coordinator of both CIB W080 and W086, on service life prediction and building pathology.

Co-Author Biography

João Nuno Pacheco is a researcher at CERIS/IST, with a PhD in Civil Engineering. His work focuses on recycled aggregate concrete and concrete structures. João has participated and led European projects on concrete recycling, and is active in several organizations, being a member of fib TG4.7 - Structural Applications of Recycled Aggregate Concrete – Properties, Modelling, and Design.

Programme

5.45pm: Registration, Tea/Coffee

6.30pm: Use of Recycled Aggregate in Concrete

7.15pm: Q&A

7.30pm: Event Ends

7.45pm: Group Dinner*

* Please indicate when booking if you would like to join the group for dinner and avail of the opportunity to talk further.

Please note that there will be a charge for dinner.

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

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