



NSAI

ANNUAL REPORT 2019

NSAI TECHNICAL COMMITTEE - NSAI/TC 003

CONCRETE STANDARDS CONSULTATIVE
COMMITTEE

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1 Chairman's Statement

The CSCC monitors and mirrors the work of CEN technical committees related to concrete and associated products. It is within the remit of CSCC to contribute to the development and review of CEN standards and to produce national standards and guidance documents for use in Ireland. International and national standards are continually being revised and published to reflect the advances in technology and experience of concrete, constituent materials, products and processes. The CSCC strives to ensure that it is central to the development of international standards and to produce national standards that are suitable for implementation in Ireland.

The CSCC is set for an active time ahead. Concurrent to the work schedule, revision of the structural Eurocodes is nearing completion, which will then see revisions to many of the national documents under the committee's remit.

I thank all members and delegates for their work on behalf of the Committee. I acknowledge the support received from the NSAI.

Brian O'Rourke

Chairman

2 Introduction

Concrete and its related products are one of the most widely used materials in the construction of Ireland's built environment due in part to its versatility, mechanical properties and low maintenance requirements. It is a material which is of significant importance to the Irish construction industry and economy. Its use in the construction industry also benefits from the development and maintenance of National and international concrete related standards. Some of the main benefits of standardisation in respect to concrete and its related products include:

- The provision of guidance on the design and execution of concrete structures ensuring a minimum level of safety and reliability are achieved; and,
- The removal of technical barriers to trade, allowing an open market throughout Europe (i.e. CE marking) and providing Irish manufacturers and companies access to larger markets into which they can sell their products and services.



The industry currently has 4 experts involved in international work

The Concrete Standards Consultative Committee (CSCC) provides a representative and strategic forum for the concrete industry in Ireland through which participation in European technical committees concerned with standards relating to concrete and related products for structural and other uses is co-ordinated.

3 Scope of TC

The CSCC (NSAI/TC 003) is responsible for monitoring (mirroring) the work of a number of CEN technical committees (TCs) related to concrete and its related products. The CSCC is also responsible for developing and updating National documents, predominantly Standard Recommendations and National Annexes providing guidance on the design, product, testing and execution standards and codes published by the respective CEN TCs which the CSCC mirror.

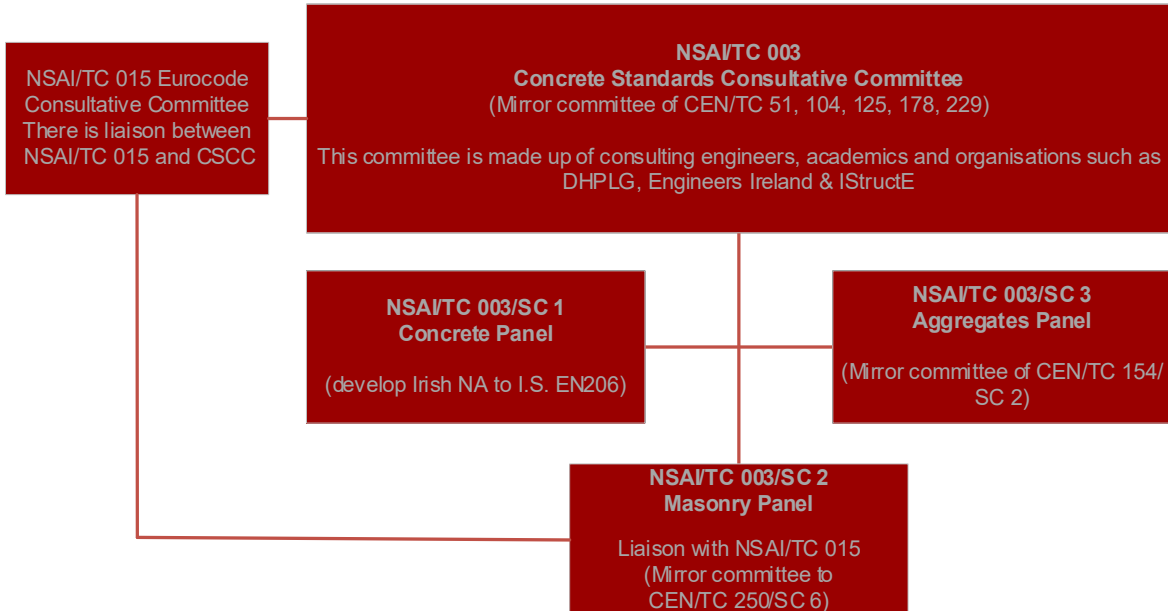
The committee mirror the following international committees:

Committee Name	Committee Title
CEN/TC 104	Concrete and related products
CEN/TC 104/SC 1	Concrete - Specification, performance, production and conformity
CEN/TC 104/WG 15	Ground granulated blast furnace slag
CEN/TC 51	Cement & Building Lime
CEN/TC 125	Masonry
CEN/TC 154/ SC 2	Aggregates for concrete, including those for use in roads and pavements
CEN/TC 178	Paving units and kerbs
CEN/TC 229	Precast concrete products

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

The list below are the members for the year:

Organisation	Name	Role
Cork Institute of Technology	Brian O'Rourke	NSAI/TC 003 Committee Chair
Irish Cement	Richard Bradley	National committee member
Private Consultant	Michael Byrne	National committee member
Infrastruct	Thomas Callanan	National committee member
Roadstone	Donal Crowley	National committee member
Private Consultant	Malachy Dolan	National committee member
DHPLG	Simon Dolphin	National committee member
NSAI	James Duane	National committee member
Kilsaran	Keith Goodwin	National committee member
Roadstone	Colin Heffernan	National committee member
Roadstone	Thomas Holden	National committee member
TUD (DIT)	Niall Holmes	National committee member
IBEC	David Howard	National committee member
Private Consultant	Brendan Lynch	National committee member
Kilsaran	Claire McElroy	National committee member
Irish Cement	Eanna Nolan	National committee member
Ecocem	John Reddy	National committee member
Private Consultant	Tori Ryan	National committee member
ICF	Liam Smyth	National committee member
Banagher Precast Concrete	Eamon Stack	National committee member
NSAI (IAB)	Gary O'Sullivan	National committee member
Homebond	Conor Taaffe	National committee member
Trinity College Dublin	Roger West	National committee member
DHPLG	John Wickham	National committee member

5 Summary of 2019 Activities

5.1 National

2019 saw the CSCC develop and approve the restructure of the committee and population of a new sub-committee structure. The proposed changes were agreed at the last CSCC meeting in October 2019 and would come into effect by the end of Q1 in 2020

5.1.1 Meetings

Committee members attended the following national meetings in the NSAI as follows:

MEETING	DATE
1	7th March 2019
2	18 th October 2019

5.1.2 National Work

The work of the CSCC in 2019 predominantly focused on monitoring the development of international documents such as the revision to EN 206 - Concrete - Specification, performance, production and conformity. The CSCC need to monitor the development of this critical standard closely as any changes in this standard will have implications on the concrete industry in Ireland. As the revision of this document progresses slowly towards CEN enquiry, the committee will need to consider a revision to the Irish National Annex to EN 206.

Following a review of the CSCC in 2018, the NSAI and CSCC Chair developed a proposal to establish a new subcommittee structure for the CSCC which would allow for a more focused monitoring of the CEN technical committees being mirrored by the CSCC to date. The new subcommittee structure was presented to the CSCC members and approved in October 2019. The new subcommittee structure was set out as follows:

Subcommittee	Name	CEN TC to be mirrored
SC 1	Concrete	CEN/TC 104 and 104/SC 1
SC 2	Masonry Panel	CEN/TC 125 & TC/250/SC 6
SC 3	Cement & building lime	CEN/TC 51
SC 4	Precast & Paving units	CEN/TC 229 & TC 178

Overall responsibility of National documents would still remain with the CSCC. Development of such documents would be developed by the CSCC or ad-hoc working groups within the new subcommittees including liaisons with the other CSCC subcommittees and other NSAI Technical Committees (i.e. NSAI/TC 15 – Eurocodes) where considered appropriate.

5.2 International

5.2.1 Meetings

Committee members attended the following international meetings in 2019:

Committee name	Location	Date
CEN/TC 104/SC 1 - Concrete and related products	Brussels	June 2019
CEN/TC 51 - Cement & building lime	Milan	October 2019

5.2.2 International Work

As stated in section 5.1.2, the work at international level which was of most importance to the CSCC in 2019 was the revisions to EN206 – *Concrete - Specification, performance, production and conformity* as well as:

- Eurocode 2 (EN1992) – Design of concrete structure suite of standards – principally EN1992-1-1; and,
- Eurocode 6 (EN1996) – Design of masonry structures - principally EN1996-1-1.

The CEN enquiry drafts of the revised prEN197-1 and prEN197-2 were approved during 2019. There were also many concrete test standards approved for publication, the majority of which only contained minor changes to the previous standards.

Work of the Masonry products committee (CEN/TC 125) was limited in 2019, with work in the precast concrete committee (CEN/TC 229) stalled due to ongoing issues with harmonisation of standards in line with the Construction Products regulation (CPR).

5.2.3 International Voting Results

The following CEN ballots were approved by CSCC members during 2019.

Reference	Result	Closed on
prEN 197-1	Approved	22/01/2019
FprEN 12390-16 to be submitted to Formal Vote	Approved	15/02/2019
FprEN 12390-17 to be submitted to Formal Vote	Approved	15/02/2019
FprEN 12350-1	Approved	19/03/2019
FprEN 12350-2	Approved	19/03/2019
FprEN 12350-3	Approved	19/03/2019
FprEN 12350-4	Approved	19/03/2019
FprEN 12350-5	Approved	19/03/2019
FprEN 12350-6	Approved	19/03/2019
FprEN 12350-7	Approved	19/03/2019
FprEN 12350-8	Approved	19/03/2019
FprEN 12390-2	Approved	19/03/2019
FprEN 12390-3	Approved	19/03/2019
FprEN 12390-5	Approved	19/03/2019
FprEN 12390-7	Approved	19/03/2019
FprEN 12390-8	Approved	19/03/2019
FprEN 12504-1	Approved	19/03/2019
FprCEN/TR 17365	Approved	02/04/2019
prEN 413-1 - 9 month Tolerance Request	Approved	17/04/2019
Request for 9-month tolerance for EN 14889-2 Polymer fibres	Approved	18/04/2019
prEN 197-2	Approved	21/05/2019
CEN/TC178 Decision 01/2019 to confirm CEN/TC 12633	Approved	06/06/2019
Appointment of a new Convenor for the WG 10	Approved	09/06/2019
Appointment of convenor to WG 10 "Sprayed concrete"	Approved	15/06/2019
FprEN 12390-16	Approved	09/07/2019
FprEN 12390-17	Approved	09/07/2019
FprEN 12390-4	Disapproved	09/07/2019
FprCEN/TR 17086 to be submitted to Vote on Technical Report	Approved	01/08/2019
CEN/TC178 decision 02/2019 to allow DSTU to become	Approved	28/08/2019
FprCEN/TR 17086 - Submission to Vote on Technical Report	Approved	09/09/2019
FprEN 197-2	Approved	17/09/2019
Re-Nomination of Mr Marc Lebrun - Chairman of CEN/TC 229	Approved	19/10/2019
Amendment EN 206/prA2:2019 to be submitted to Enquiry	Approved	21/10/2019
FprCEN/TR 14245	Approved	29/10/2019
prEN 459-2	Approved	12/11/2019
prEN 12390-1	Approved	26/11/2019
prEN 12504-2	Approved	26/11/2019
Request for a second Vote on FprCEN/TR 17086	Approved	26/11/2019

6 Irish Publications/Reviews

6.1 Publications

There were no national documents published by the CSCC in 2019.

6.2 Reviews

The review of a number of documents in 2019 was conducted:

- I.S. EN 450-1:2005+A1:2007/NA:2010 - Fly ash for concrete - Part 1: Definition, specifications and conformity criteria;
- I.S. EN 1520:2002/NA:2010 - Prefabricated reinforced components of lightweight aggregate concrete with open structure;
- I.S. EN 12737:2004+A1:2007/NA:2008 - Irish National Annex to Precast concrete products - Floor slats for livestock;
- I.S. EN 13224:2004+A1:2007/NA:2010 – Irish National Annex to Precast concrete products - Ribbed floor elements; and,
- I.S. EN 13225:2004/NA:2010 – Irish National Annex to Precast concrete products - Linear structural elements.

7 Work programme for 2020 onwards

2020 will see significant changes for the CSCC as the formal establishment of the sub-committees takes place.

A full revision of S.R. 325 - *Recommendations for the design of masonry structures in Ireland to Eurocode 6* can start in 2020 following the launch of the enquiry draft of prEN 1996-1-1 in November 2019.

Subject to the progress made on the revision to EN 206, the CSCC will have to monitor the work developing this document closely. If the formal enquiry draft of EN 206 is made available in 2020, the CSCC will have to consider how to progress the revision of the Irish National Annex (NA) to EN 206.

Significant resources will be required by the CSCC and the NSAI secretariat in order to revise and develop S.R. 325 and the Irish NA to EN 206 in the same year, particularly in respect to member's time and commitment as well as the need for research and calibration studies.

2020 will also see the launch of the Specifying Concrete.ie website, which a number of CSCC members were instrumental in developing, and to which the NSAI contributed feedback on the standards and their scopes referenced on the site.