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I.S. 326:Part 2.3:1995

IRISH STANDARD

CONCRETE. PART 2.3: SPECIFICATION FOR THE PROCEDURES TO BE USED IN PRODUCING AND TRANSPORTING CONCRETE

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DECLARATION

OF

SPECIFICATION

ENTITLED

CONCRETE. PART 2.3: SPECIFICATION FOR THE PROCEDURES TO BE USED IN PRODUCING AND TRANSPORTING CONCRETE

AS

THE IRISH STANDARD SPECIFICATION FOR

CONCRETE. PART 2.3: SPECIFICATION FOR THE PROCEDURES TO BE USED IN PRODUCING AND TRANSPORTING CONCRETE

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Concrete. Part 2.3: Specification for the Procedures to be used in Producing and Transporting Concrete) Declaration, 1995.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Concrete. Part 2.3: Specification for the Procedures to be used in Producing and Transporting Concrete.

(2) The said standard specification may be cited as Irish Standard 326:Part 2.3:1995 or as I.S. 326:Part 2.3:1995.

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Foreword to I.S. 326:Part 2.3

Part 2 of this Irish Standard covers the methods for specifying and producing concrete as a construction material up to the point of delivery into the construction and is published as follows

Part 2.1 Guide to specifying concrete
Part 2.2 Methods for specifying concrete mixes
Part 2.3 Specification for the procedures to be used in producing and transporting concrete
Part 2.4 Specification for the procedures to be used in sampling, testing and assessing compliance of concrete

Part 2.1 provides guidance to the specifier and purchaser of the concrete on the selection of requirements for materials and concrete mixes. Part 2.2 provides a choice of methods by which the purchaser can convey the selected requirements to the producer. Part 2.3 specifies for the producer the procedure to be used in producing and transporting concrete. Part 2.4 specifies the procedures to be used by the purchaser in sampling, testing and assessing concrete for compliance.

This Part of this I.S. provides methods for specifying concrete mixes on site or in a precast concrete factory and for the purchase and supply of ready-mixed concrete. It takes account of the distinct and different responsibilities of the purchaser and producer. There are a number of instances in which the purchaser has to select from the various options given in this I.S. in order to specify the concrete required. The purchaser is responsible for passing on to the producer the requirements of the specifying body (e.g. the engineer's or the architect's specification), together with any additional requirements. Throughout this I.S. the words 'specify' and 'specification' are used in relation to both sets of requirements. There may be occasions where it is advantageous for economic or technical reasons to propose changes to the specification. In such cases the producer and purchaser should agree the proposed amendments for approval and sanction by the specifying body.

The text of Part 2.1, Part 2.2, Part 2.3 and Part 2.4 of this I.S. is substantially similar to

BS 5328 Part 1 1991 Guide to specifying concrete
BS 5328 Part 2 1991 Methods for specifying concrete mixes
BS 5328 Part 3 1990 Specification for the procedures to be used in producing and transporting concrete
BS 5328 Part 4 1990 Specification for the procedures to be used in sampling, testing and assessing compliance of concrete

and is published by agreement with the British Standards Institution. Part 2 of this I.S. departs from BS 5328 in the following principal ways:

1. Irish Standards are referred to for Portland cement and for concrete aggregates.

2. Concrete grades have been modified where appropriate to reflect the known performance of concrete made with Irish materials (cement and aggregates).

3. Modifications (relating to durability) have been made to mix recommendations to reflect Irish practice and environmental conditions.

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4. *Designated mixes* as described in BS 5328 are not referred to in this I.S , pending the introduction of an appropriate product certification scheme within the ready mixed concrete industry. At the time of drafting (1994) work was in hand to introduce such product certification

5 The use of high alumina cement in concrete is not allowed for herein.

6 Recommendations relating to the treatment of alkali-silica reaction in concrete are based on 'Alkali-silica reaction - General recommendations and guidance in the specification of building and civil engineering works', a Report prepared by a Joint Working Party and published by the *Institution of Engineers of Ireland* and the *Irish Concrete Society* in 1991. This document is referred to herein as the 'IEI/ICS Report'.

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