
**Performance and assessment
requirements for design standards on
structural concrete**

*Exigences de performance et d'évaluation pour la conception des
normes relatives au béton structurel*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword – Supplementary information.

The committee responsible for this document is ISO/TC 71, *Concrete, reinforced concrete and pre-stressed concrete*, Subcommittee SC 4, *Performance requirements for structural concrete*.

This third edition cancels and replaces the second edition (ISO 19338:2007), of which it constitutes a minor revision. It also incorporates the Technical Corrigenda ISO 19338:2007/Cor, 1:2008 and ISO 19338:2007/Cor, 2:2009.

Introduction

Concrete is the most popular material used in the construction market. Presently, about one-third of a ton of concrete is produced each year for every human being in the world (some 2 billion tons per year).

International Standards on concrete technology can play a significant role for improving the global trade climate. International Standards in the field of concrete and its use in civil infrastructure are ever more needed as the economic development of the world continues.

ISO/TC 71/SC 4 was established to develop standards for performance requirements of structural concrete. This International Standard gives the performance and assessment requirements for design standards on concrete structures. It is an umbrella-type document with general provisions and guidelines intended to provide wide latitude of choice in terms of general requirements for performance and assessment of concrete structures. It should be used, therefore, in conjunction with sound engineering judgment.

National and regional standards are generally more prescriptive in nature than International Standards and vary somewhat from region to region.

In a document accessible at http://isotc.iso.org/livelink/livelink/Open/ISO_19338, ISO/TC 71/SC 4 has defined a procedure to assess whether a national or regional standard can be deemed to satisfy this International Standard. This separate document also gives the list of national and regional standards that so far have gone through the procedure and are deemed to satisfy this International Standard.

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