



SLOVENSKI STANDARD
kSIST FprEN 12390-1:2012
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Preskušanje strjenega betona - 1. del: Oblika, mere in druge zahteve za vzorce in kalupe

Testing hardened concrete - Part 1: Shape, dimensions and other requirements for specimens and moulds

Prüfung von Festbeton - Teil 1: Form, Maße und andere Anforderungen für Probekörper und Formen

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Essai pour béton durci - Partie 1 : Forme, dimensions et autres exigences aux éprouvettes et aux moules

Document Preview

Ta slovenski standard je istoveten z: **FprEN 12390-1**

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ICS:

91.100.30 Beton in betonski izdelki Concrete and concrete products

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**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

**FINAL DRAFT
FprEN 12390-1**

January 2012

ICS 91.100.30

Will supersede EN 12390-1:2000

English Version

**Testing hardened concrete - Part 1: Shape, dimensions and
other requirements for specimens and moulds**

Essai pour béton durci - Partie 1 : Forme, dimensions et
autres exigences aux éprouvettes et aux moules

Prüfung von Festbeton - Teil 1: Form, Maße und andere
Anforderungen für Probekörper und Formen

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 104.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (FprEN 12390-1:2012) has been prepared by Technical Committee CEN/TC 104 "Concrete and related products", the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 12390-1:2000.

This standard is one of a series concerned with testing concrete.

EN 12390 includes the following parts:

- EN 12390-1, *Testing hardened concrete — Part 1: Shape, dimensions and other requirements for specimens and moulds;*
- EN 12390-2, *Testing hardened concrete — Part 2: Making and curing specimens for strength tests;*
- EN 12390-3, *Testing hardened concrete — Part 3: Compressive strength of test specimens;*
- EN 12390-4, *Testing hardened concrete — Part 4: Compressive strength — Specification for testing machines;*
- EN 12390-5, *Testing hardened concrete — Part 5: Flexural strength of test specimens;*
- EN 12390-6, *Testing hardened concrete — Part 6: Tensile splitting strength of test specimens;*
- EN 12390-7, *Testing hardened concrete — Part 7: Density of hardened concrete;*
- EN 12390-8, *Testing hardened concrete — Part 8: Depth of penetration of water under pressure;*
- CEN/TS 12390-9, *Testing hardened concrete — Part 9: Freeze-thaw resistance — Scaling;*
- CEN/TS 12390-10, *Testing hardened concrete — Part 10: Determination of the relative carbonation resistance of concrete;*
- CEN/TS 12390-11, *Testing hardened concrete — Part 11: Determination of the chloride resistance of concrete, unidirectional diffusion;*
- FprCEN/TS 12390-12, *Testing hardened concrete — Part 12: Determination of the potential carbonation resistance of concrete: Accelerated carbonation method.*

The following amendments have been made to the former edition:

- editorial revision;
- increases in the allowable tolerances for the dimensions of the specimens which reflect current industry practice.

This standard recognises alternative approaches towards obtaining test specimens of the correct sizes and shapes. The first is to use moulds whose life is limited and to measure the specimens to ensure conformity. The second is to cast specimens in calibrated metal moulds which meet tighter tolerances than for specimens. The use of calibrated moulds allows relaxation on the requirement for measuring the specimens.

FprEN 12390-1:2012 (E)

Annex A gives the application of EN ISO 1101 to measuring the shapes of concrete test specimens and moulds.

Annex B gives guidance on the measurement of flatness of specimens and moulds.

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