



**SLOVENSKI STANDARD**  
**oSIST prEN 12390-2:2017**  
**01-november-2017**

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**Preskušanje strjenega betona - 2. del: Izdelava in nega vzorcev za preskus trdnosti**

Testing hardened concrete - Part 2: Making and curing specimens for strength tests

Prüfung von Festbeton - Teil 2: Herstellung und Lagerung von Probekörpern für Festigkeitsprüfungen

Essai pour béton durci - Partie 2 : Confection et conservation des éprouvettes pour essais de résistance

**Ta slovenski standard je istoveten z: prEN 12390-2**

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**ICS:**

91.100.30	Beton in betonski izdelki	Concrete and concrete products
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**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 12390-2**

August 2017

ICS 91.100.30

Will supersede EN 12390-2:2009

English Version

## Testing hardened concrete - Part 2: Making and curing specimens for strength tests

Essai pour béton durci - Partie 2 : Confection et conservation des éprouvettes pour essais de résistance

Prüfung von Festbeton - Teil 2: Herstellung und Lagerung von Probekörpern für Festigkeitsprüfungen

This draft European Standard is submitted to CEN members for enquiry. 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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (prEN 12390-2:2017) 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 CEN Enquiry.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document will supersede EN 12390-2:2009.

The results of a laboratory inter-comparison, part-funded by the EC under the Measurement and Testing Programme contract MATI-CT-94-0043, have been taken into account in the drafting of this European Standard.

The compaction of specimens in the moulds using hand tamping, vibrating table, or internal (poker) vibrator are accepted as equivalent. However, it was found in this programme that the use of an internal vibrator to compact specimens of air entrained fresh concrete should only be done with caution, if loss of entrained air is to be avoided.

Curing specimens in a closely regulated humidity chamber is recognized as being equivalent to curing in water.

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

This series EN 12390, *Testing hardened concrete*, includes the following parts:

- *Part 1: Shape, dimensions and other requirements of specimens and moulds*
- *Part 2: Making and curing specimens for strength tests*
- *Part 3: Compressive strength of test specimens*
- *Part 4: Compressive strength – Specification for testing machines*
- *Part 5: Flexural strength of test specimens*
- *Part 6: Tensile splitting strength of test specimens*
- *Part 7: Density of hardened concrete*
- *Part 8: Depth of penetration of water under pressure*
- *Part 11: Determination of the chloride resistance of concrete, unidirectional diffusion*
- *Part 12: Determination of the potential carbonation resistance of concrete: Accelerated carbonation method*
- *Part 13: Determination of secant modulus of elasticity in compression*
- *Part 14: Semi-adiabatic method for the determination of heat released by concrete during its hardening process (in preparation)*

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- *Part 15: Adiabatic method for the determination of heat released by concrete during its hardening process (in preparation)*

The following amendments have been made to the 2009 edition of this standard:

- a) editorial revision;
- b) reference to common apparatus and specification given in EN 12350-1.

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