

## DIN EN 12390-10



ICS 91.100.30

Supersedes  
DIN EN 12390-10:2019-03

**Testing hardened concrete –  
Part 10: Determination of the carbonation resistance of concrete at  
atmospheric levels of carbon dioxide;  
English version EN 12390-10:2018,  
English translation of DIN EN 12390-10:2019-08**

Prüfung von Festbeton –  
Teil 10: Bestimmung des Karbonatisierungswiderstandes von Beton bei atmosphärischer  
Konzentration von Kohlenstoffdioxid;  
Englische Fassung EN 12390-10:2018,  
Englische Übersetzung von DIN EN 12390-10:2019-08

Essai pour béton durci –  
Partie 10: Détermination de la résistance à la carbonatation du béton à des niveaux  
atmosphériques de dioxyde de carbone;  
Version anglaise EN 12390-10:2018,  
Traduction anglaise de DIN EN 12390-10:2019-08

Document comprises 24 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## **National foreword**

This document (EN 12390-10:2018) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-07-05 AA “Test methods for concrete”.

## **Amendments**

This standard differs from DIN CEN/TS 12390-10:2007-12 as follows:

- a) the technical specification has been converted into a standard;
- b) the title has been amended;
- c) the Scope has been amended;
- d) the reference concrete test has been deleted; consequently, instead of a relative carbonation resistance, a mean rate of carbonation is determined on the basis of the time-dependent depth of carbonation of the test specimen;
- e) the requirements for laboratory air have been rendered more precise;
- f) the document has been editorially revised.

Compared with DIN EN 12390-10:2019-03, the following corrections have been made:

- a) in the Scope, in Clause 4, subclauses 5.3, 6.3, 7.1, Clause 10 and Annex A, parts of the translation have been adapted to the text of the English reference version (applies to the German version only);
- b) in Clause 9, item b), the translation has been rendered more precise with regard to the fact that the maximum, minimum and monthly average also relate to the relative humidity and the temperature (applies to the German version only);
- c) in Annex B, the size ratio of the Stevenson Screen has been corrected (applies to the German version only);
- d) the standard has been editorially revised.

## **Previous editions**

DIN CEN/TS 12390-10: 2007-12  
DIN EN 12390-10: 2019-03

English Version

## Testing hardened concrete - Part 10: Determination of the carbonation resistance of concrete at atmospheric levels of carbon dioxide

Essai pour béton durci - Partie 10: Détermination de la résistance à la carbonatation du béton à des niveaux atmosphériques de dioxyde de carbone

Prüfung von Festbeton - Teil 10: Bestimmung des Karbonatisierungswiderstandes von Beton bei atmosphärischer Konzentration von Kohlenstoffdioxid

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