

Determination of the bond behaviour between reinforcing steel and autoclaved aerated concrete by the beam test

Part 2: Long term test

ICS 91.080.40; 91.100.30

National foreword

This British Standard is the UK implementation of EN 12269-2:2010. It supersedes BS EN 12269-2:2003 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/523, Prefabricated components of reinforced autoclaved aerated concrete and lightweight aggregate concrete with open structure.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Determination of the bond behaviour between reinforcing steel
and autoclaved aerated concrete by the beam test - Part 2: Long
term test**

Détermination du comportement d'adhérence entre les
barres d'armature et le béton cellulaire autoclavé selon la
méthode d'essai de poutre - Partie 2 : Essai de longue
durée

Bestimmung des Verbundverhaltens zwischen
Bewehrungsstahl und dampfgehärtetem Porenbeton mit
Hilfe der Balkenprüfung - Teil 2: Langzeitprüfverfahren

This European Standard was approved by CEN on 23 January 2010.

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Foreword

This document (EN 12269-2:2010) has been prepared by Technical Committee CEN/TC 177 "Prefabricated reinforced components of autoclaved aerated concrete or lightweight aggregate concrete with open structure", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

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

This document supersedes EN 12269-2:2003.

The European Standard EN 12269 consists of the following parts:

- *Part 1: Short term test;*
- *Part 2: Long term test.*

In order to meet the performance requirements as laid down in the product standard for prefabricated components of autoclaved aerated concrete, a number of standardized test methods are necessary.

The main changes with respect to EN 12269-2:2003 are listed below:

- a) the clause "Terms and definitions" has been added;
- b) the normative references have been updated;
- c) provisions on the conditioning of test specimens have been added;
- d) the clause on "Apparatus" has been adapted to take account of the latest findings;
- e) "long term loading" has been replaced by "cyclic loading" in the clause on "Testing procedure";
- f) the requirements for the test report have been expanded.

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