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See start of validity

**Precast concrete products –
Special roof elements (includes Amendment A1:2009)
English version of DIN EN 13693:2009-10**

Betonfertigteile –
Besondere Fertigteile für Dächer (enthält Änderung A1:2009)
Englische Fassung DIN EN 13693:2009-10

Document comprises 60 pages



Start of validity

This standard is due to take effect on 1 January 2010.

DIN EN 13693:2004-11 may be used in parallel until January 2010 – (see deadline in the EU Official Journal).

It should be noted that, in Germany, CE conformity marking of construction products will be permitted once this standard has been listed in the *Bundesanzeiger* (German Federal Gazette) and from the date given therein.

National foreword

This standard has been prepared by Technical Committee CEN/TC 229 “Precast concrete products” (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Technical Committee NA 005-07-08 AA *Betonfertigteile* (SpA CEN/TC 229).

This standard is the consolidated version of EN 13693:2004 and EN 13693:2004/A1:2008.

Amendments

This standard differs from DIN EN 13693:2004-11 as follows:

- a) The scope has been modified.
- b) Annex F “Complementary elements” has been added.
- c) Annex ZA has been completely revised.

Previous editions

DIN EN 13693: 2004-11

English Version

**Precast concrete products —
Special roof elements**

Produits préfabriqués en béton —
Éléments spéciaux de toiture

Betonfertigteile —
Besondere Fertigteile für Dächer

This European Standard was approved by CEN on 24 June 2004 and includes Amendment 1 approved by CEN on 19 June 2009.

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This European Standard exists 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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 13693:2004+A1:2009) has been prepared by Technical Committee CEN/TC 229 “Precast concrete products”, the secretariat of which is held by AFNOR. A1 This document was examined by and agreed with a joint working party appointed by the Liaison Group CEN/TC 229 – CEN/TC 250, particularly for its compatibility with structural Eurocodes. A1

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 January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

This document includes Amendment 1, approved by CEN on 2009-06-19.

This document supersedes EN 13693:2004.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Construction Products Directive (89/106/EEC) of European Union (EU).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This standard is one of a series of product standards for precast concrete products.











For common aspects reference is made to *EN 13369: Common rules for precast products*, from which also the relevant requirements of the *EN 206-1: Concrete - Part 1: Specification, performances, production and conformity* are taken.

The references to EN 13369 by CEN/TC229 product standards are intended to make them homogeneous and to avoid repetitions of similar requirements.

Eurocodes are taken as a common reference for design aspects. The installation of some structural precast concrete products is dealt with by *ENV 13670-1: Execution of concrete structures – Part 1: Common rules*, which has at the moment the status of an European prestandard. In all countries it can be accompanied by alternatives for national application and it shall not be treated as a European Standard.

The programme of standards for structural precast concrete products comprises the following standards, in some cases consisting of several parts:

- EN 1168, *Precast concrete products - Hollow core slabs*
- A1 EN 12794, *Precast concrete products - Foundation piles* A1
- EN 12843, *Precast concrete products - Masts and poles*
- EN 13224, *Precast concrete products - Ribbed floor elements*
- EN 13225, *Precast concrete products - Linear structural elements*
- EN 13693, *Precast concrete products - Special roof elements*
- A1 EN 13747, *Precast concrete products - Floor plates for floor systems* A1
- A1 EN 13978, *Precast concrete products - Precast concrete garages* A1

-  EN 14843, *Precast concrete products – Stairs* 
-  EN 14844, *Precast concrete products - Box culverts* 
-  EN 14991, *Precast concrete products - Foundation elements* 
-  EN 14992, *Precast concrete products - Wall elements* 
-  EN 15037, *Precast concrete products - Beams for beam-and-block floor systems* 

This standard defines in Annex ZA the application methods of CE marking to products designed using the relevant EN Eurocodes (EN 1992-1-1 and EN 1992-1-2). Where, in default of applicability conditions of EN Eurocodes to the works of destination, design Provisions other than EN Eurocodes are used for mechanical strength and/or fire resistance, the conditions to affix CE marking to the product are described in ZA.3.4.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.