

ICS 91.010.30; 91.080.40

Supersedes: see below

**Eurocode 2: Design of concrete structures –
Part 1-1: General rules and rules for buildings
(includes Corrigendum AC:2010)
English translation of DIN EN 1992-1-1:2011-01**

Eurocode 2: Bemessung und Konstruktion von Stahlbeton- und Spannbetontragwerken –
Teil 1-1: Allgemeine Bemessungsregeln und Regeln für den Hochbau
(enthält Berichtigung AC:2010)
Englische Übersetzung von DIN EN 1992-1-1:2011-01

Eurocode 2: Calcul des structures en béton –
Partie 1-1: Règles générales et règles pour les bâtiments
(Corrigendum AC:2010 inclus)
Traduction anglaise de DIN EN 1992-1-1:2011-01

Supersedes DIN EN 1992-1-1:2005-10;
together with DIN EN 1992-1-1/NA:2011-01, DIN EN 1992-3:2011-01 and DIN EN 1992-3/NA:2011-01
supersedes DIN 1045-1:2008-08;
supersedes DIN EN 1992-1-1 Corrigendum 1:2010-01

Document comprises 229 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 standard has been prepared by Technical Committee CEN/TC 250 “Structural Eurocodes” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Working Committee NA 005-07-01 AA *Bemessung und Konstruktion* (Sp CEN/TC 250/SC 2).

EN 1992-1-1 was approved by CEN on 16 April 2004.

This European Standard is part of a series of standards dealing with structural design (Eurocodes) which are intended to be used as a ‘package’. In Guidance Paper L on the application and use of Eurocodes, issued by the EU Commission, reference is made to compulsory transitional periods for the introduction of the Eurocodes in the member states. The transitional periods are given in the Foreword of this standard.

In Germany, this standard is to be applied in conjunction with the National Annex.

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

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

Amendments

This standard differs from DIN V ENV 1992-1-1:1992-06, DIN V ENV 1992-1-3:1994-12, DIN V ENV 1992-1-4:1994-12, DIN V ENV 1992-1-5:1994-12, DIN V ENV 1992-1-6:1994-12 and DIN V ENV 1992-3:2000-12 as follows:

- a) the prestandard status has been changed to that of a full standard;
- b) the comments received from the national standards bodies have been taken into account and the text of the standard has been completely revised;
- c) for additional rules for precast concrete elements and structures, see Clause 10 (previously DIN V ENV 1992-1-3);
- d) for lightweight aggregated concrete structures, see Clause 11 (previously DIN V ENV 1992-1-4);
- e) general rules for structures with unbonded and external prestressing tendons have been incorporated in the text (previously DIN V ENV 1992-1-5);
- f) for additional rules for plain concrete structures, see Clause 12 (previously DIN V ENV 1992-1-6);
- g) rules for the design of concrete foundations have been incorporated in the text (previously DIN V ENV 1992-3);
- h) in the German version of this standard, the terminology of DIN 1045-1 has been largely adopted.

Compared with DIN EN 1992-1-1:2005-10, DIN EN 1992-1-1 Corrigendum 1:2010-01 and DIN 1045-1:2008-08, the following corrections have been made:

- a) the standard has been based on European design rules;
- b) superseding notes have been corrected;
- c) this standard is the consolidated version of the previous 2004 edition with Corrigendum AC:2008 and Corrigendum AC:2010;
- d) the standard has been editorially revised.

Previous editions

DIN 1045: 1925-09, 1932-04, 1937-05, 1943xxx, 1959-11, 1972-01, 1978-12, 1988-07
DIN 1045-1: 2001-07, 2008-08
DIN 1045-1 Corrigendum 1: 2002-07
DIN 1045-1 Corrigendum 2: 2005-06
DIN 1046: 1925-09, 1932-04, 1935-12, 1943x
DIN 1047: 1925-09, 1932-04, 1937-05, 1943x
DIN 4028: 1938-10
DIN 4030: 1954-09
DIN 4163: 1951-02
DIN 4219-2: 1979-12
DIN 4225: 1943, 1951xx-02, 1960-07
DIN 4227-1: 1953x-10, 1979-12, 1988-07
DIN 4227-1/A1: 1995-12
DIN 4227-2: 1984-05
DIN V 4227-4: 1985-12
DIN 4227-4: 1986-02
DIN 4229: 1950-07
DIN 4233: 1951-03, 1953x-12
DIN 4420: 1952x-01
DIN V 18932-1: 1991-10
DIN V ENV 1992-1-1: 1992-06
DIN V ENV 1992-1-3: 1994-12
DIN V ENV 1992-1-4: 1994-12
DIN V ENV 1992-1-5: 1994-12
DIN V ENV 1992-1-6: 1994-12
DIN V ENV 1992-3: 2000-12
DIN EN 1992-1-1: 2005-10
DIN EN 1992-1-1 Corrigendum 1: 2010-01

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Supersedes ENV 1992-1-1:1991, ENV 1992-1-3:1994,
ENV 1992-1-4:1994, ENV 1992-1-5:1994,
ENV 1992-1-6:1994, ENV 1992-3:1998

English version

Eurocode 2: Design of concrete structures — Part 1-1: General rules and rules for buildings

Eurocode 2: Calcul des structures en béton — Partie 1-1:
Règles générales et règles pour les bâtiments

Eurocode 2: Bemessung und Konstruktion von Stahlbeton-
und Spannbetontragwerken — Teil 1-1: Allgemeine
Bemessungsregeln und Regeln für den Hochbau

EN 1992-1-1:2004 was approved by CEN on 2004-04-16 and Corrigendum AC:2010 on 2010-11-10.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

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