Gravity drainage systems inside buildings

Part 3: Roof drainage, layout and calculation

English version of DIN EN 12056-3

DIN EN 12056-3

ICS 91.060.20; 91.140.80

Schwerkraftentwässerungsanlagen innerhalb von Gebäuden – Teil 3: Dachentwässerung, Planung und Berechnung

Supersedes parts of DIN 1986-1, June 1988 edition, and DIN 1986-2, March 1995 edition.

European Standard EN 12056-3 : 2000 has the status of a DIN Standard.

A comma is used as the decimal marker.

National foreword

This standard has been prepared by CEN/TC 165 'Waste water engineering', WG 21 'Drainage systems inside buildings'.

The responsible German body involved in its preparation was the *Normenausschuss Wasserwesen* (Water Practice Standards Committee), Technical Committee *Entwässerungsanlagen für Gebäude und Grundstücke*.

Amendments

Parts of DIN 1986-1, June 1988 edition, and DIN 1986-2, March 1995 edition, have been superseded by the specifications of EN 12056-3.

Previous editions

DIN 1986: 1928-11, 1932-07, 1942-02; DIN 1986-1: 1953-09, 1962-06, 1978-09, 1988-06; DIN 1986-2: 1953-09, 1962-06, 1978-09, 1995-03.

Continued overleaf.

EN comprises 46 pages.

National Annex NA

The DIN EN 12056 standards series is the first series of European Standards dealing with gravity drainage systems inside buildings. It differs from the DIN 1986 series as follows:

a) The scope of the DIN EN 12056 series now only covers drainage systems inside buildings (cf. figure 1 of DIN EN 12056-1), drainage systems outside buildings being dealt with in the DIN EN 752 series.

b) The specifications of the DIN EN 12056 series differ partly from those given in the DIN 1986 series. Therefore, the responsible technical committee decided to revise DIN 1986 to cover the aspects not dealt with in the DIN EN 12056 series.

c) As far as the use of the four system types described in DIN EN 12056-2 is concerned, reference is made to the regulations listed in Annex A.

It should be noted that, for a period ending 30 June 2001, the DIN 1986 series continues to be valid in Germany. During this period, drainage systems inside buildings may be manufactured to conform either to DIN 1986 or to the present standard.

National Annex NB

Standards referred to

(and not included in **Normative references**)

DIN 1986 series	Site drainage systems
DIN EN 752 series	Drain and sewer systems outside buildings

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12056-3

June 2000

ICS 91.060.20; 91.140.80

English version

Gravity drainage systems inside buildings

Part 3: Roof drainage, layout and calculation

Réseaux d'évacuation gravitaire à l'intérieur des bâtiments – Partie 3: Système d'évacuation des eaux pluviales, conception et calculs

Schwerkraftentwässerungsanlagen innerhalb von Gebäuden – Teil 3: Dachentwässerung, Planung und Berechnung

This European Standard was approved by CEN on 1999-10-27.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Ref. No. EN 12056-3 : 2000 E

Contents

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 165 "Waste water engineering", 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 December 2000, and conflicting national standards shall be withdrawn at the latest by June 2001.

This part is the third in a series relating to the functional requirements of gravity drainage systems inside buildings. There will be five parts, as follows: Gravity drainage systems inside buildings

Part 1: General and performance requirements

Part 2: Sanitary pipework - Layout and calculation

Part 3: Roof drainage - Layout and calculation

Part 4: Waste water lifting plants - Layout and calculation

Part 5: Installation and testing, instructions for operation, maintenance and use

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