

IRISH STANDARD

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ICS 93.030

GENERAL REQUIREMENTS FOR

COMPONENTS USED FOR RENOVATION

AND REPAIR OF DRAIN AND SEWER

SYSTEMS OUTSIDE BUILDINGS

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## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 13380

May 2001

ICS 93.030

## English version

# General requirements for components used for renovation and repair of drain and sewer systems outside buildings

Prescriptions générales pour les composants utilisés pour la rénovation et la réparation des branchements et des reseaux d'assainissement à l'extérieur des bâtiments Allgemeine Anforderungen an Bauteile für Renovierung und Reparatur von Abwasserleitungen und -kanalen außerhalb von Gebäuden

This European Standard was approved by CEN on 23 March 2001.

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.

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 Management Centre has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPEEN DE NORMALISATION EUROPAISCHES KOMITEE FUR NORMUNG

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## **Foreword**

This European Standard has been prepared by Technical Committee of 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of an identical text or by endorsement, at the latest by November 2001, and conflicting national standards shall be withdrawn at the latest by November 2001.

This European Standard provides the basis for the preparation or revision of product standards for components and materials used for renovation and repair of drain and sewer systems (see clause 1 "Scope").

The annexes A, B and C are informative.

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.

#### Introduction

This European Standard was derived from EN 476. As far as possible the same wording has been used.

## 1 Scope

This European Standard specifies general requirements and general test methods for

- components such as pipes and fittings with their respective joints, manholes, inspection chambers and
- materials such as mortar and chemicals all intended to be used for repair and renovation of drain and sewer systems.

These drain and sewer systems generally operate as gravity drainage systems where any pressure likely to occur is a maximum of 40 kPa and which are generally buried.

This European Standard provides the general basis for the preparation and revision of volontary product standards. It is not applicable for evaluation of products.

It applies as a reference for drawing up a product specification, if there is no product standard available.

This European Standard includes quality control and optional certification requirements.

It applies to components those used in systems that convey in a satisfactory manner:

- domestic wastewater;
- rainwater and surface water; and
- other waste waters (e.g. industrial waste water) that will not damage the components.

This European Standard applies to components of circular and other cross sections.

This European Standard applies equally to components which are factory-made and to those manufactured on site, where applicable.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 476	General requirements for components used in discharge pipes, drains and sewers for gravity systems
EN 752-1	Drain and sewer systems outside buildings - Part 1: Generalities and definitions
EN 752-5	Drain and sewer systems outside buildings - Part 5: Rehabilitation
EN 45011:1998	General requirements for bodies operating product certification systems (ISO/IEC Guide 65:1996)
EN 45012:1998	General requirements for bodies operating assessment and certification/registration of quality systems (ISO/IEC Guide 62:1996)
ISO 48 : 1994	Rubber, vulcanized or thermoplastic – Determination of hardness (hardness between 10 IRHD an 100 IRHD)



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