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English version

## Survey of European Standards for rehabilitation of drain and sewer systems

Aperçu des Normes européennes pour la réhabilitation des réseaux d'évacuation et d'assainissement

Übersicht über Europäische Normen für die Sanierung von Entwässerungssystemen

This Technical Report was approved by CEN on 24 April 2005. It has been drawn up by the Technical Committee CEN/TC 165.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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## Foreword

This document (CEN/TR 15128:2005) has been prepared by Technical Committee CEN/TC 165 "Wastewater engineering", the secretariat of which is held by DIN.

CEN/TC 165 having determined the current status of European standardization regarding general requirements for drain and sewer systems and existing standards and draft standards on the subject of rehabilitation of drain and sewer systems, and CEN/TC 165 having considered the results of an enquiry submitted by EUREAU on the status of European Standards in the field of rehabilitation of drain and sewer systems, it was established that those were not sufficiently known.

It was agreed that information of the status of European standard work in this area was greatly needed.

Therefore, CEN/TC 165 decided to make this information in summary form available with the aid of an informative CEN document in the form of a CEN/TR and, if necessary, to give the necessary explanations.

Standards produced by the following Technical Committees are included in this document:

CEN/TC 155 "Plastics piping systems and ducting systems";

CEN/TC 164 "Water supply";

CEN/TC 165 "Wastewater engineering".

Because European manufacturers have disbanded the production of fibre cement pipes and fittings for drain and sewer systems, European Standards in that field are not included in this document.

## 1 Scope

This document gives a survey of European Standards available in the field of rehabilitation of drain and sewer systems.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Since Clause 5 refers to European Standards with their complete title they are not repeated here.

EN 476, *General requirements for components used in discharge pipes, drains and sewers for gravity systems*

EN 773, *General requirements for components used in hydraulically pressurized discharge pipes, drains and sewers*

EN 805, *Water supply - Requirements for systems and components outside buildings*

EN 1610, *Construction and testing of drains and sewers*

prEN 14801, *Conditions for pressure classification of products for water and waste water pipelines*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **rehabilitation**

all measures for restoring or upgrading the performance of existing drain and sewer systems  
[EN 752-1:1995]

### 3.2

#### **renovation**

work incorporating all or part of the original fabric of the drain or sewer by means of which its current performance is improved  
[EN 752-5:1995]

### 3.3

#### **repair**

rectification of local damage  
[EN 752-5:1995]

### 3.4

#### **replacement**

construction of a new drain or sewer, on or off the line of an existing drain or sewer

### 3.5

#### **"M" stage**

stage as manufactured, before any subsequent site processing of components associated with a particular repair or renovation technique  
[EN 13380:2001]