



Nederlandse norm

NEN-EN 476

(en)

Algemene eisen voor rioleringsonderdelen

General requirements for components used in
drains and sewers

Vervangt NEN-EN 476:1998;
NEN-EN 773:1999;
NEN-EN 1293:1999;
NEN-EN 476:2008 Ontw.

ICS 13.060.30; 23.040.01; 91.140.80; 93.030

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Nederlands voorwoord

Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

<u>vermelde norm</u>	<u>Nederlandse norm</u>	<u>titel</u>
EN 124	NEN-EN 124	Roosters en deksels voor putten en kolken voor verkeersgebieden - Eisen, typebeproeving, markering en kwaliteitsbeheersing
EN 681-1	NEN-EN 681-1	Afdichtingen van elastomeer - Materiaaleisen voor afdichtingen van buisverbindingen in water- en rioleringsbuizen - Deel 1: Gevulcaniseerde rubber
EN 681-2	NEN-EN 681-2	Afdichtingen van elastomeer - Materiaaleisen voor afdichtingen van buisverbindingen in water- en rioleringsbuizen - Deel 2: Thermoplastische elastomeren
EN 681-3	NEN-EN 681-3	Afdichtingen van elastomeer - Materiaaleisen voor afdichtingen van buisverbindingen in water- en rioleringsbuizen - Deel 3: Gevulcaniseerde schuimrubber
EN 681-4	NEN-EN 681-4	Afdichtingen van elastomeer - Materiaaleisen voor afdichtingen van buisverbindingen in water- en rioleringsbuizen - Deel 4: Afdichtingselementen uit gegoten polyurethaan
EN 805:2000	NEN-EN 805:2000	Watervoorziening - Eisen aan distributiesystemen buitenshuis
EN 1085:2007	NEN-EN 1085:2007	Afvalwaterzuivering - Termen en definities
EN 13101	NEN-EN 13101	Klimijzers voor mantoegankelijke ondergrondse putten - Eisen, markering, beproeving en conformiteitsbeoordeling
EN 14396	NEN-EN 14396	Vaste ladders voor putten
EN 14801	NEN-EN 14801	Voorwaarden voor drukclassificatie voor producten voor drinkwater- en afvalwaterleidingen
ISO 48	NEN-ISO 48	Rubber, ge vulcaniseerd of thermoplastisch - Bepaling van de hardheid (hardheid tussen 10 IRHD en 100 IRHD)

Voorbeeld
Preview

EUROPEAN STANDARD

EN 476

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2011

ICS 93.030

Supersedes EN 1293:1999, EN 476:1997, EN 773:1999

English Version

General requirements for components used in drains and sewers

Exigences générales pour les composants utilisés pour les branchements et les collecteurs d'assainissement

Allgemeine Anforderungen an Bauteile für Abwasserleitungen und -kanäle

This European Standard was approved by CEN on 23 November 2010.

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Copyright
Preview

Foreword

This document (EN 476:2011) 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 July 2011, and conflicting national standards shall be withdrawn at the latest by July 2011.

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

This document supersedes EN 476:1997, EN 773:1999 and EN 1293:1999.

The specifications of this standard have been based on the requirements for wastewater systems specified in EN 752 and EN 12056.

This document is the result of merging EN 476, EN 773 and EN 1293.

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, Croatia, 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 the United Kingdom.

1 Scope

This European Standard specifies general requirements for components inside and outside buildings (see EN 12056-1) such as pipes, fittings and manholes with their respective joints intended for use in discharge pipes, drains and sewers which operate as gravity systems allowing for a maximum pressure of 40 kPa.

It also specifies general requirements for components used in hydraulically and pneumatically pressurised discharge pipes, drains and sewers.

It provides basic specifications to be respected in material related product standards for these applications.

It is not applicable for the direct evaluation of products. It is applicable as a reference for drawing up a product specification, if there is no product standard available.

NOTE Where the term "inside buildings" is used in the context of components fixed inside buildings, it also includes discharge pipes and fittings fixed on external surfaces of buildings.

This European Standard covers components to be used in conveying in a satisfactory manner:

- domestic wastewater;
- rainwater and surface water; and
- other waste waters acceptable for discharge into the system (e.g. industrial wastewater).

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 constructed on site, where applicable.

This European Standard does not apply to components used for trenchless construction according to EN 14457 and for components used for renovation of drains and sewers according to EN 13380.

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.

EN 124, *Gully tops and manhole tops for vehicular and pedestrian areas — Design requirements, type testing, marking, quality control*

EN 681-1, *Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 1: Vulcanized rubber*

EN 681-2, *Elastomeric Seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 2: Thermoplastic elastomers*

EN 681-3, *Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 3: Cellular materials of vulcanized rubber*

EN 681-4, *Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 4: Cast polyurethane sealing elements*

EN 805:2000, *Water supply — Requirements for systems and components outside buildings*

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