

SLOVENSKI STANDARD

SIST-TS CEN/TS 1852-2:2009

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SIST ENV 1852-2:2001

Cevni sistemi iz polimernih materialov za odpadno vodo in kanalizacijo, ki delujejo po težnostnem principu in so položeni v zemljo - Polipropilen (PP) - 2. del: Navodilo za ugotavljanje skladnosti

Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene (PP) - Part 2: Guidance for the assessment of conformity

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Kunststoff-Rohrleitungssysteme für erdverlegte drucklose Abwasserkanäle und -leitungen - Polypropylen (PP) - Teil 2: Empfehlungen für die Beurteilung der Konformität

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Systemes de canalisations en plastique pour les branchements et les collecteurs d'assainissement sans pression enterrés - Polypropylène (PP) - Partie 2 : Guide d'évaluation de la conformité

Ta slovenski standard je istoveten z: CEN/TS 1852-2:2009

ICS:

23.040.01	Deli cevovodov in cevovodi na splošno	Pipeline components and pipelines in general
93.030	Zunanji sistemi za odpadno vodo	External sewage systems

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en,fr,de

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TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
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ICS 23.040.01; 93.030

Supersedes ENV 1852-2:2000

English Version

**Plastics piping systems for non-pressure underground drainage
and sewerage - Polypropylene (PP) - Part 2: Guidance for the
assessment of conformity**

Systèmes de canalisations en plastique pour les
branchements et les collecteurs d'assainissement sans
pression enterrés - Polypropylène (PP) - Partie 2 : Guide
d'évaluation de la conformité

Kunststoff-Rohrleitungssysteme für erdverlegte drucklose
Abwasserkanäle und -leitungen - Polypropylen (PP) - Teil
2: Empfehlungen für die Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 10 December 2007 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 United Kingdom.



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Foreword

This document (CEN/TS 1852-2:2009) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

This document supersedes ENV 1852-2:2000.

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.

System Standards are based on the results of the work undertaken in ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids", which is a Technical Committee of the International Organization for Standardization (ISO).

They are supported by separate standards on test methods to which references are made throughout the System Standard.

The System Standards are consistent with general standards on functional requirements and on recommended practice for installation.

EN 1852 consists of the following Parts, under the general title *Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene (PP)*

- *Part 1: Specifications for pipes, fittings and the system*
- *Part 2: Guidance for the assessment of conformity (the present Technical Specification)*
- *Part 3: Guidance for installation (Technical Specification)*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, 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.

Introduction

This Technical Specification is intended to serve as a guide for the assessment of conformity of products covered by EN 1852-1.

It can be used integrally and/or be used for inclusion of conformity assessment in the manufacturer's quality plan as part of the quality system for attestation purposes. The use of this Technical Specification does not necessarily imply the involvement of a third party.

It can also be used to support the elaboration of national third party certification procedures for products conforming to EN 1852-1. It is the responsibility of the manufacturer to choose or not to choose for the involvement of a third party for certification purposes.

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1 Scope

1.1 General

This Technical Specification gives guidance for the assessment of conformity to be included in the manufacturer's quality plan as part of the quality system.

This Technical Specification includes:

- a) requirements for materials, components, joints and assemblies given in EN 1852-1;
- b) requirements for the manufacturer's quality system;

NOTE 1 It is recommended that the quality system conforms to EN ISO 9001:2008 [1].

- c) definitions and procedures to be applied if third party certification is involved.

NOTE 2 If third party certification is involved, it is recommended that the certification body is accredited to EN 45011:1998 [2] or EN ISO/IEC 17021:2006 [3], as applicable.

1.2 Applicability

This Technical Specification is applicable to piping systems made of polypropylene (PP) intended to be used for:

- a) non-pressure underground drainage and sewerage outside the building structure (application area code "U"), reflected in the marking of products by "U", and
- b) for non-pressure underground drainage and sewerage for both buried in the ground within the building structure (application area code "D") and outside the building structure (application area code "U"), reflected in the marking of products by "UD".

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 1852-1:2009, *Plastics piping systems for non-pressure underground drainage and sewerage — Polypropylene (PP) — Part 1: Specifications for pipes, fittings and the system*

3 Definitions, symbols and abbreviations

For the purposes of this Technical Specification, the definitions, symbols and abbreviations given in EN 1852-1:2009, together with the following apply.

3.1 Definitions

3.1.1

certification body

impartial body, governmental or non-governmental, possessing the necessary competence and responsibility to carry out certification of conformity according to given rules of procedure and management

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3.1.2

inspection body

impartial organisation or company, approved by the certification body as possessing the necessary competence to verify and/to carry out initial type testing, audit testing and inspection of the manufacturer's factory production control in accordance with the relevant European Standard

3.1.3

testing laboratory

laboratory which measures, tests, calibrates or otherwise determines the characteristics of the performance of materials and products

3.1.4

quality system

organisational structure, responsibilities, procedures, processes and resources for implementing quality management (see EN ISO 9000:2005 [4])

3.1.5

quality plan

document setting out the specific quality practices, resources and sequence of activities relevant to a particular product or range of products

3.1.6

modes of type testing

3.1.6.1

type testing (TT)

testing performed to prove that the material, component, joint or assembly is capable of conforming to the requirements given in the relevant standard

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3.1.6.2

preliminary type testing (PTT)

type testing carried out by or on behalf of the manufacturer

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3.1.6.3

initial type testing (ITT)

type testing carried out by or on behalf of the certification body for certification purposes

3.1.7

batch release test (BRT)

test performed by the manufacturer on a batch of components, which has to be satisfactorily completed before the batch can be released

3.1.8

process verification test (PVT)

test performed by the manufacturer on materials, components, joints or assemblies at specific intervals to confirm that the process continues to be capable of producing components conforming to the requirements given in the relevant standard

NOTE Such tests are not required to release batches of components and are carried out as a measure of process control.

3.1.9

audit test (AT)

test performed by or on behalf of a certification body to confirm that the material, component, joint or assembly continues to conform with the requirements given in the relevant standard and to provide information to assess the effectiveness of the quality system

3.1.10**indirect test (IT)**

test performed by the manufacturer different from that specified for that particular characteristic, having verified its correlation with the specified test

3.1.11**witness testing (WT)**

testing accepted by a certification body for initial type testing and/or audit testing, which is carried out by, or on behalf of the manufacturer and supervised by a representative of the certification body, qualified in testing

3.1.12**material**

defined type of polymer or additive or constituent thereof

3.1.13**compound (blend)**

recipe that defines types of polymer, additives and constituents at specified dosage levels

3.1.14**material batch or compound batch**

clearly identifiable quantity of a particular material or compound

3.1.15**production batch**

clearly identifiable collection of units, manufactured consecutively under the same conditions, using material or compounds conforming to the same specification

3.1.16**lot**

clearly identifiable subdivision of a batch for inspection purposes

3.1.17**sample**

one or more units of product drawn from a batch or lot, selected at random without regard to quality

NOTE The number of units of product in the sample is the sample size.

3.1.18**group**

collection of similar components from which samples are selected for testing purposes

3.2 Abbreviations

NOTE For reasons to avoid misunderstanding the following abbreviations are kept the same for each language. For the same reason, the terms are given in three languages ("en" for English, "fr" for French and "de" for German).

AT en : audit test
 fr : essai d'audit
 de : Überwachungsprüfung

BRT en : batch release test
 fr : essai de libération de campagne de fabrication
 de : Freigabepfung einer Charge