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English Version

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

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

Kunststoff-Rohrleitungssysteme für erdverlegte  
Abwasserkanäle und -leitungen - Polyethylen (PE) - Teil 2:  
Empfehlungen für die Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 4 October 2002 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.

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## Foreword

This Technical Specification (CEN/TS 12666-2:2005) has been prepared by CEN /TC 155, "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

This Technical Specification can be used to support elaboration of national third party certification procedures for products conforming to EN 12666-1:2005.

This Technical Specification (TS) is a Part of a System Standard for plastics piping systems of a particular material for a specified application. There are a number of such System Standards.

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 12666 consists of the following Parts, under the general title *Plastics piping systems for non-pressure underground drainage and sewerage — Polyethylene (PE)*

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

This document includes a Bibliography.

## 1 Scope

This Part of EN 12666 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 12666-1;
- b) requirements for the manufacturer's quality system;

NOTE 1 It is recommended that the quality system conforms to EN ISO 9001:2000<sup>[1]</sup>.

- 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<sup>[2]</sup> or EN 45012<sup>[3]</sup>, as applicable.

It is applicable to piping systems made of polyethylene (PE) in the field of non-pressure underground drainage and sewerage outside the building structure (application area code "U") and 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. This is reflected in the marking of products by "U" and "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 12666-1:2005, *Plastics piping systems for non-pressure underground drainage and sewerage — Polyethylene (PE) — Part 1: Specifications for pipes, fittings and the system.*

EN ISO 9000, *Quality management systems – Fundamentals and vocabulary (ISO 9000:2000).*

## 3 Definitions, symbols and abbreviations

For the purposes of this Technical Specification, the terms and definitions, symbols and abbreviations given in EN 12666-1:2005 apply together with the following.

### 3.1 Terms and 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

#### 3.1.2

##### **inspection body**

impartial organization 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