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English version

Plastics piping systems with structured wall pipes for soil and
waste discharge (low and high temperature) inside buildings -
Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Guidance for
the assessment of conformity

Systèmes de canalisations en plastique avec des tubes à
paroi structurée pour l'évacuation des eaux-vannes et des
eaux usées (à basse et à haute température) à l'intérieur
du bâtiment - Poly(chlorure de vinyle) non plastifié (PVC-U)
- Partie 2: Guide pour l'évaluation de la conformité

Kunststoff-Rohrleitungssysteme mit Rohren mit profilierter
Wandung und glatten Rohroberflächen zum Ableiten von
Abwasser (niedriger und hoher Temperatur) innerhalb von
Gebäuden - Weichmacherfreies Polyvinylchlorid (PVC-U) -
Teil 2: Empfehlungen für die Beurteilung der Konformität

This European Prestandard (ENV) was approved by CEN on 10 August 2000 as a prospective standard for provisional application.

The period of validity of this ENV 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 ENV can be converted into a European Standard.

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

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Foreword

This European Prestandard has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This document is currently submitted to the Formal Vote.

This prestandard can be used to support elaboration of national third party certification procedures for products conforming to EN 1453-1.

This prestandard 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 Organisation for Standardisation (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 1453 consists of the following Parts, under the general title "*Plastics piping systems with structured wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U)*".

- Part 1: *Specifications for pipes and the system* ;
- Part 2: *Guidance for the assessment of conformity (ENV)* ;

This Part of EN 1453 includes a bibliography.

Introduction

The System Standard, of which this is Part 2, specifies the requirements for a piping system and its pipes when made from unplasticized poly(vinyl chloride) (PVC-U). The piping system is intended to be used for soil and waste discharge.

For material and pipes, requirements and characteristics for fitness for purpose (mainly for joints) are covered in Part 1 of EN 1453. Recommended practice for installation is given in ENV 13801.

This Part of EN 1453 covers procedures and recommendations for the assessment of conformity of materials, pipes, joints and assemblies and is intended to be used by certification bodies, inspection bodies, testing laboratories and manufacturers.

1 Scope

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

This prestandard includes :

- a) Requirements for materials, pipes, joints and assemblies given in EN 1453-1 ;
- b) Requirements for the manufacturer's quality system ;

NOTE 1 It is recommended that the quality system conforms to EN ISO 9001 or EN ISO 9002, as applicable.

- 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 or EN 45012, as applicable.

This Part of EN 1453 is applicable to piping systems with structural-wall pipes made from unplasticized poly(vinyl chloride) (PVC-U) in the field of soil and waste discharge systems (low and high temperature) inside buildings (application area code "B").

2 Normative references

This European Prestandard 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 Prestandard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1453-1:2000, *Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings — Unplasticized poly(vinyl chloride) (PVC-U) — Part 1: Specifications for pipes and the system.*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1 : Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection.*

3 Definitions, symbols and abbreviations

For the purposes of this prestandard, the definitions, symbols and abbreviations given in EN 1453-1:2000, apply together with the following :

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

3.1.2

inspection body

impartial organization or company, approved by a certification body as possessing the necessary competence to verify and/or 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