

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

ICS 23.040.20; 91.140.80

National foreword

This Draft for Development is the official English language version of ENV 1453-2:2000. It is specifically intended to give guidance for the assessment of conformity to BS EN 1453-1:2000 of unplasticized poly(vinyl chloride) (PVC-U) structured-wall piping system components and their joints.

(No existing British Standard was superseded by BS EN 1453-1:2000).

There is no British Standard corresponding to ENV 1453-2:2000. The publication of this DD ENV does not imply that its use is mandatory. Unless any specific aspects of ENV 1453-2 are called up on a normative basis in EN 1453-1, this DD ENV is available for optional use in conjunction with any other existing procedures for such purposes. The intention is to enable the published European Standards and associated documents to be applied on a consistent and trial basis where industry specifiers choose to specify them.

The UK participation in its preparation was entrusted by Technical Committee PRI/88, Plastics piping systems and components (previously PRI/61) to Sub-committee PRI/88/1, Thermoplastics piping for non-pressure applications (previously PRI/61/1), which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

The responsible UK technical committee offers the following advice in respect of the contents of this standard.

Attention is drawn to the fact that the requirements drafted in EN 1453-1:2000 are appropriate only to components installed strictly inside the building structure, since they contain no specific requirements for weather resistance and the requirements for impact resistance are less stringent than those which were contained in BS 4514:1983.

Subcommittee PRI/88/1 would therefore welcome any comments to assist the further development of this draft for future use.

Cross-references

The British Standards which implement these international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

Warning This Draft for Development, which is identical with ENV 1453-2:2000, does not necessarily detail all the precautions necessary to meet the requirements of the Health and Safety at Work etc. Act 1974 and subsequent legislation. Attention should be paid to any appropriate safety precautions and the test methods should be operated only by trained personnel.

A Draft for Development does not purport to include all the necessary provisions of a contract. Users of such Drafts are responsible for their correct application.

Compliance with a Draft for Development does not of itself confer immunity from legal obligations.

This Draft for Development is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, the ENV title page, pages 2 to 14, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This Draft for Development, having been prepared under the direction of the Sector Committee for Materials and Chemicals, was published under the authority of the Standards Committee and comes into effect on 15 April 2001

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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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

Contents

	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Definitions, symbols and abbreviations	5
3.1 Definitions	5
3.2 Abbreviations	7
4 Requirements	7
4.1 General	7
4.2 Testing and inspection	8
Bibliography	14

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.