



SLOVENSKI STANDARD

SIST- TS CEN/TS 12200-2:2003

01-oktober-2003

Cevni sistemi iz polimernih materialov za odvod padavinskih voda za zunanjo uporabo - Nemehčan polivinilklorid (PVC-U) - 2. del: Smernice za ugotavljanje skladnosti

Plastics rainwater piping systems for above ground external use - Unplasticized poly (vinyl chloride) (PVC-U) - Part 2: Guidance for the assessment of conformity

Kunststoff-Rohrleitungssysteme für außen liegende Regenfallleitungen - Weichmacherfreies Polyvinylchlorid (PVC-U) - Teil 2: Empfehlung für die Beurteilung der Konformität

Systemes de canalisations de descentes d'eaux pluviales en plastique a usage externe en aérien - Poly(chlorure de vinyle) non plastifié (PVC-U) Partie 2 : Guide pour l'évaluation de la conformité

Ta slovenski standard je istoveten z: CEN/TS 12200-2:2003

ICS:

23.040.03 Cevovodi za zunanje sisteme Pipeline and its parts for
transporta vode in njihovi deli external water conveyance
systems

SIST- TS CEN/TS 12200-2:2003 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST- TS CEN/TS 12200-2:2003](https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003)

<https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003>

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 12200-2

April 2003

ICS 23.040.01

English version

Plastics rainwater piping systems for above ground external use
- Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Guidance
for the assessment of conformity

This Technical Specification (CEN/TS) was approved by CEN on 25 November 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.

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. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

STANDARD PREVIEW
(standards.iteh.ai)

SIST- TS CEN/TS 12200-2:2003

<https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003>



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 Terms and definitions, symbols and abbreviations.....	5
3.1 Terms and definitions	5
3.2 Abbreviations	7
4 Requirements.....	8
4.1 General	8
4.2 Testing and inspection	8
4.2.1 Material specification	8
4.2.2 Grouping	9
4.2.3 Type tests (TT)	9
4.2.4 Batch release tests (BRT)	11
4.2.5 Process verification tests (PVT)	11
4.2.6 Audit tests (AT)	12
4.2.7 Indirect tests (IT).....	13
4.2.8 Inspection records and test records	13
Bibliography	14

[SIST- TS CEN/TS 12200-2:2003](https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003)

<https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003>

Foreword

This document (CEN/TS 12200-2:2003) 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 12200-1.

This Technical Specification is a Part of a System Standard for plastics piping systems of a particular material for a specific 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 12200 consists of the following Parts, under the general title "*Plastics rainwater piping systems for above ground external use — Unplasticized poly (vinyl chloride) (PVC-U)*".

- Part 1: *Specifications for pipes, fittings and the system;*
- Part 2: *Guidance for the assessment of conformity;*

This part of EN 12200 includes a bibliography.

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

CEN/TS 12200-2:2003 (E)**Introduction**

The System Standard, of which this is Part 2, specifies the requirements for a rainwater piping system and its components made from unplasticized poly (vinyl chloride) (PVC-U). The piping system is intended for above ground external use.

For material and components, requirements and test methods are specified in Part 1 of EN 12200. Characteristics for fitness for purpose are also covered in Part 1.

This Part of EN 12200 covers procedures and requirements for the assessment of conformity of materials, components, joints and assemblies and is intended to be used by certification bodies, inspection bodies, testing laboratories and manufacturers.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST- TS CEN/TS 12200-2:2003](https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003)

<https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003>

1 Scope

This Part of EN 12200 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 12200-1:2000;
- b) requirements for the manufacturer's quality system;

NOTE 1 It is recommended that the quality system conforms to EN ISO 9001:2000^[1].

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

NOTE 2 If a third party certification is involved, it is recommended that the certification body is accredited to EN 45011^[2] or EN 45012^[3], as applicable.

This Part of EN 12200 is applicable to unplasticized poly (vinyl chloride) (PVC-U) rainwater piping systems intended to be used for above ground external use.

2 Normative references

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

EN 12200-1:2000, *Plastics rainwater piping systems for above ground external use — Unplasticized poly(vinyl chloride) (PVC-U) — Part 1: Specifications for pipes, fittings and the system*

3 Terms and definitions, symbols and abbreviations

For the purposes of this Technical Specification, the terms and definitions, symbols and abbreviations given in EN 12200-1:2000, 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 organisation 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

CEN/TS 12200-2:2003 (E)

3.1.4**quality system**

organisational structure, responsibilities, procedures, processes and resources for implementing quality management

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**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

3.1.6.1**preliminary type testing (PTT)**

type testing carried out by, or on behalf of, the manufacturer

3.1.6.2**initial type testing (ITT)**

type testing carried out by, or on behalf of, a 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 to the requirements given in the System Standard and to provide information to assess the effectiveness of the quality system

3.1.10**indirect testing**

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**

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 which defines types of polymer, additives or 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 or continuously under the same conditions, using material or compound conforming to the same specification

3.1.16**lot**

clearly identifiable sub-division 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**inspection level**

relationship between the lot or batch size and the sample size (see ISO 2859-1^[4])

3.1.19**group**

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

3.2 Abbreviations

<https://standards.iteh.ai/catalog/standards/sist/06b5dcd0-be0f-422d-8dbf-d6a5ca3c66d0/sist-ts-cen-ts-12200-2-2003>

NOTE For reasons of avoiding misunderstanding the following abbreviations are kept the same in each of the languages. For the same reason the terms are given in the three languages.

AT	E: audit test F: essais d'audit D: Überwachungsprüfung
BRT	E: batch release test F: essai de libération de campagne de fabrication D: Freigabepfung einer Charge
IT	E: indirect test F: essai indirect D: indirekte Prüfung
ITT	E: initial type testing F: essais de type initiaux D: Erstprüfung
PTT	E: preliminary type testing F: essais de type préliminaires D: vorausgehende Typpfung
PVT	E: process verification test F: essai de vérification du procédé de fabrication D: Prozessüberprüfung