

# SLOVENSKI STANDARD

## SIST EN ISO 1452-5:2011

01-marec-2011

Nadomešča:

SIST EN ISO 1452-5:2010

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**Cevni sistemi iz polimernih materialov za oskrbo z vodo in za podzemno in nadzemno odvodnjavanje in kanalizacijo pod tlakom - Nemehčan polivinilklorid (PVC-U) - 5. del: Ustrežanje zahtevam za uporabnost sistema (ISO 1452-5:2009)**

Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for purpose of the system (ISO 1452-5:2009)

Kunststoff-Rohrleitungssysteme für die Wasserversorgung und für erdverlegte und nicht erdverlegte Entwässerungs- und Abwasserdruckleitungen - Weichmacherfreies Polyvinylchlorid (PVC-U) - Teil 5: Gebrauchstauglichkeit des Systems (ISO 1452-5:2009, korrigierte Fassung 2010-03-01)

Systèmes de canalisations en plastique pour l'alimentation en eau, pour branchements et collecteurs d'assainissement enterrés et aériens avec pression - Poly(chlorure de vinyle) non plastifié (PVC-U) - Partie 5: Aptitude à l'emploi du système (ISO 1452-5:2009, version corrigée 2010-03-01)

**Ta slovenski standard je istoveten z: EN ISO 1452-5:2010**

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**ICS:**

23.040.01	Deli cevovodov in cevovodi na splošno	Pipeline components and pipelines in general
91.140.60	Sistemi za oskrbo z vodo	Water supply systems
93.030	Zunanji sistemi za odpadno vodo	External sewage systems

**SIST EN ISO 1452-5:2011**

**en,fr**

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EUROPEAN STANDARD

EN ISO 1452-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2010

ICS 93.025; 91.140.60; 23.040.20; 23.040.45

Supersedes EN ISO 1452-5:2009

English Version

Plastics piping systems for water supply and for buried and  
above-ground drainage and sewerage under pressure -  
Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for  
purpose of the system (ISO 1452-5:2009, corrected version  
2010-03-01)

Systèmes de canalisations en plastique pour l'alimentation  
en eau, pour branchements et collecteurs d'assainissement  
enterrés et aériens avec pression - Poly(chlorure de vinyle)  
non plastifié (PVC-U) - Partie 5: Aptitude à l'emploi du  
système (ISO 1452-5:2009, version corrigée 2010-03-01)

Kunststoff-Rohrleitungssysteme für die Wasserversorgung  
und für erdverlegte und nicht erdverlegte Entwässerungs-  
und Abwasserdruckleitungen - Weichmacherfreies  
Polyvinylchlorid (PVC-U) - Teil 5: Gebrauchstauglichkeit  
des Systems (ISO 1452-5:2009, korrigierte Fassung 2010-  
03-01)

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This European Standard was approved by CEN on 23 September 2010.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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## Foreword

The text of ISO 1452-5:2009, corrected version 2010-03-01 has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 1452-5:2010 by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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.

This document supersedes EN ISO 1452-5:2009.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, 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.

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The text of ISO 1452-5:2009, corrected version 2010-03-01 has been approved by CEN as a EN ISO 1452-5:2010 without any modification.

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INTERNATIONAL  
STANDARDISO  
1452-5First edition  
2009-12-01

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**Plastics piping systems for water supply  
and for buried and above-ground  
drainage and sewerage under pressure —  
Unplasticized poly(vinyl chloride)  
(PVC-U) —**

Part 5:

**Fitness for purpose of the system****(standards.iteh.ai)**

*Systèmes de canalisations en plastique pour l'alimentation en eau, pour  
branchements et collecteurs d'assainissement enterrés et aériens avec  
pression — Poly(chlorure de vinyle) non plastifié (PVC-U) —*

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**Partie 5: Aptitude à l'emploi du système**Reference number  
ISO 1452-5:2009(E)

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Published in Switzerland



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## ISO 1452-5:2009(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 1452-5 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in collaboration with ISO Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 2, *Plastics pipes and fittings for water supplies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition cancels and replaces ISO 4422-5:1997, which has been technically revised.

ISO 1452 consists of the following parts, under the general title *Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure — Unplasticized poly(vinyl chloride) (PVC-U)*:

- *Part 1: General*
- *Part 2: Pipes*
- *Part 3: Fittings*
- *Part 4: Valves*
- *Part 5: Fitness for purpose of the system*

Guidance for the assessment of conformity is to form the subject of a part 7.

## Introduction

The System Standard, of which this is Part 5, specifies the requirements for a piping system and its components made from unplasticized poly(vinyl chloride) (PVC-U). The piping system is intended to be used for water supply and for buried and above-ground drainage and sewerage under pressure.

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the products covered by this part of ISO 1452, the following are relevant.

- a) This part of ISO 1452 provides no information as to whether the products may be used without restriction;
- b) Existing national regulations concerning the use and/or the characteristics of these products remain in force.

Requirements and test methods for components requirements and test methods are specified in ISO 1452-2, ISO 1452-3 and ISO 1452-4.

This part of ISO 1452 establishes the characteristics of fitness for purpose of the plastics piping system composed of pipes, fittings, valves, ancillaries and their joints.

Guidance for installation is given in ISO/TR 4191<sup>[1]</sup>.

Guidance for assessment of conformity is provided in ENV 1452-7<sup>[2]</sup>.

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