

SLOVENSKI STANDARD

SIST-TS CEN ISO/TS 21003-7:2009

01-januar-2009

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Multilayer piping systems for hot and cold water installations inside buildings - Part 7:
Guidance for the assessment of conformity (ISO/TS 21003-7:2008)

Mehrschichtverbund-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation
innerhalb von Gebäuden - Teil 7: Empfehlungen für die Beurteilung der Konformität
(ISO/TS 21003-7:2008)

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Systèmes de canalisations multicouches pour installations d'eau chaude et froide à
l'intérieur des bâtiments - Partie 7: Directives pour l'évaluation de la conformité (ISO/TS
21003-7:2008)

Ta slovenski standard je istoveten z: CEN ISO/TS 21003-7:2008

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

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SPÉCIFICATION TECHNIQUE
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July 2008

ICS 23.040.20; 91.140.60

English Version

**Multilayer piping systems for hot and cold water installations
inside buildings - Part 7: Guidance for the assessment of
conformity (ISO/TS 21003-7:2008)**

Systèmes de canalisations multicouches pour installations
d'eau chaude et froide à l'intérieur des bâtiments - Partie 7:
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7:2008)

Mehrschichtverbund-Rohrleitungssysteme für die Warm-
und Kaltwasserinstallation innerhalb von Gebäuden - Teil 7:
Empfehlungen für die Beurteilung der Konformität (ISO/TS
21003-7:2008)

This Technical Specification (CEN/TS) was approved by CEN on 25 June 2008 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 promptly at national level in an appropriate form. 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.

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Foreword

This document (CEN ISO/TS 21003-7:2008) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN, in collaboration with Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids".

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, 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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Multilayer piping systems for hot and cold water installations inside buildings —

Part 7: Guidance for the assessment of conformity

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 *Systèmes de canalisations multicouches pour installations d'eau
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Partie 7: Guide pour l'évaluation de la conformité

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ISO/TS 21003-7:2008(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.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

ISO/TS 21003-7 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in collaboration with 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*.

This Technical Specification can be used to support elaboration of national third-party certification procedures for products conforming to the applicable part(s) of ISO 21003.

It forms part of a system standard for multilayer piping systems of a particular material for a specified application. System standards are supported by separate standards on test methods to which reference is made throughout the system standard. The system standards are consistent with general standards on functional requirements and on recommended practice for installation.

ISO 21003 consists of the following parts, under the general title *Multilayer piping systems for hot and cold water installations inside buildings*:

- *Part 1: General*
- *Part 2: Pipes*
- *Part 3: Fittings*
- *Part 5: Fitness for purpose of the system*
- *Part 7: Guidance for the assessment of conformity* [Technical Specification]

NOTE 1 ISO 21003 does not include a Part 4: *Ancillary equipment*, or a Part 6: *Guidance for installation*.

For ancillary equipment, separate standards can apply.

For guidance on installation, reference is made to separate documents.

NOTE 2 Guidance on installation of plastics piping systems made from various materials intended to be used for hot and cold water installations is given in ENV 12108 ^[1].

Other system standards which, at the date of publication of this part of ISO 21003, had been published for plastics piping systems used for the same application are the following:

ISO 15874, *Plastics piping systems for hot and cold water installations — Polypropylene (PP)* (identical to EN ISO 15874)

ISO 15875, *Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X)* (identical to EN ISO 15876)

ISO 15876, *Plastics piping systems for hot and cold water installations — Polybutylene (PB)* (identical to EN ISO 15876)

ISO 15877, *Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C)* (identical to EN ISO 15877)

ISO 22391, *Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT)*

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