
**Plastics piping systems for hot and cold
water installations — Crosslinked
polyethylene (PE-X) —**

**Part 2:
Pipes**

AMENDMENT 1
iTeh STANDARDS PREVIEW
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*Systèmes de canalisations en plastique pour les installations d'eau
chaude et froide — Polyéthylène réticulé (PE-X) —*

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Partie 2: Tubes
AMENDEMENT 1



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Foreword

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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.

Amendment 1 to ISO 15875-2:2003 was prepared by the European Committee for Standardization (CEN) 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*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Introduction

In ISO 15875-2:2003, the *base pipe* is required to fulfil the dimensional requirements and the barrier is an “add on” giving to the finished product a wall thickness and outside diameter greater than stated in that part of ISO 15875. In some countries it is common practice that the finished product be required to fulfil the dimensional requirements of the standard.

This situation creates a problem throughout the world due to different requirements in different countries. It illustrates the need to have a common procedure on the market for dealing with this matter.

Amendment 1 to ISO 15875-2:2003 has been developed to clarify the requirements on dimensions and tolerances for barrier pipes and create a common procedure for designing and testing those pipes.

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Page 4, 6.1.3

Replace the subclause with the following:

6.1.3 The values of outside diameter and/or wall thickness apply to the crosslinked polyethylene pipe and are exclusive of additional outside layers. For pipes with barrier layer¹⁾, the values of outside diameter and wall thickness may apply to the finished product, including the barrier layer, provided that the thickness of the outside barrier layer, including any adhesive layer, is $\leq 0,4$ mm and the design calculation using the values of outside diameter and wall thickness of the base pipe (PE-X) meet the $S_{calc,max}$ values according to Table 1.

The manufacturer shall state the dimensions and tolerances of the base pipe in his documentation when different from Tables 2 to 6 of this part of ISO 15875.

NOTE For certification purposes, when a plastic barrier layer is embedded in the PE-X pipe wall, this construction is covered by this part of ISO 15875 until such time as the International Standards for such products (see Bibliographic references [7] to [10]) are published.

Page 13, Bibliography

Add the following to the Bibliography:

- [7] ISO 21003-1²⁾, *Multilayer piping systems for hot and cold water installations inside buildings — Part 1: General*
- [8] ISO 21003-2²⁾, *Multilayer piping systems for hot and cold water installations inside buildings — Part 2: Pipes*
- [9] ISO 21003-3²⁾, *Multilayer piping systems for hot and cold water installations inside buildings — Part 3: Fittings*
- [10] ISO 21003-5²⁾, *Multilayer piping systems for hot and cold water installations inside buildings — Part 5: Fitness for purpose of the system*

1) See ISO 15875-1:2003/Amd.1:2007.

2) To be published.

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