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Plastics piping systems - Guidance for the installation inside buildings of pressure piping systems for hot and cold water intended for human consumption

S.R. CEN/TR 12108:2012

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English Version

**Plastics piping systems - Guidance for the installation inside
buildings of pressure piping systems for hot and cold water
intended for human consumption**

Systèmes de canalisations plastiques - Guide pour
l'installation à l'intérieur de structures de bâtiments de
systèmes de canalisations sous pression pour l'eau chaude
et l'eau froide destinées à la consommation humaine

Kunststoff-Rohrleitungssysteme - Empfehlungen zum
Einbau von Druckrohrleitungssystemen für die Versorgung
mit Warm- und Kaltwasser für den menschlichen Gebrauch
innerhalb von Gebäuden

This Technical Report was approved by CEN on 25 July 2011. It has been drawn up by the Technical Committee CEN/TC 155.

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Foreword

This document (CEN/TR 12108:2012) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

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 ENV 12108:2001.

This document includes the following:

- Annex A (informative), Thermal length variation as a function of the pipe length and temperature difference for pipe materials;
- a bibliography.

At the date of publication of this Technical Report, System Standards for piping systems of hot and cold water applications inside buildings are the following:

- EN ISO 15874 (all parts), *Plastics piping systems for hot and cold water installations — Polypropylene (PP)*;
- EN ISO 15875 (all parts), *Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X)*;
- EN ISO 15876 (all parts), *Plastics piping systems for hot and cold water installations — Polybutylene (PB)*;
- EN ISO 15877 (all parts), *Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C)*;
- EN ISO 22391 (all parts), *Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT)*.

Introduction

This European Technical Report covers the material-related aspects of installation practice. General requirements including design consideration and pipe sizing are given in EN 806 series.

It is essential when dealing with techniques for the installation inside buildings of pressure piping systems to choose the correct type of products for the installation and that a well-established installation technique is used. The system supplier/manufacturer should supply detailed instructions for satisfactory handling, storage and installation.

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