

**Plastics piping systems for renovation of underground
water supply networks - Part 1: General (ISO 11298-
1:2010)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 11298-1:2011 sisaldab Euroopa standardi EN ISO 11298-1:2011 ingliskeelset teksti.

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English Version

Plastics piping systems for renovation of underground water
supply networks - Part 1: General (ISO 11298-1:2010)

Systèmes de canalisations en plastique pour la rénovation
des réseaux enterrés d'alimentation en eau - Partie 1:
Généralités (ISO 11298-1:2010)

Kunststoff-Rohrleitungssysteme für die Renovierung von
erdverlegten Wasserversorgungsnetzen - Teil 1:
Allgemeines (ISO 11298-1:2010)

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Foreword

The text of ISO 11298-1:2010 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 11298-1:2011 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of an identical text or by endorsement, at the latest by October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

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Endorsement notice

The text of ISO 11298-1:2010 has been approved by CEN as a EN ISO 11298-1:2011 without any modification.

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Introduction

This part of ISO 11298 is a part of a System Standard for plastics piping systems of various materials used for the renovation of existing pipelines in a specified application area. System Standards for renovation deal with the following applications:

- Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks;
- Plastics piping systems for renovation of underground water supply networks;
- Plastics piping systems for renovation of underground gas supply networks;
- Plastics piping systems for renovation of underground drainage and sewerage networks under pressure.

These System Standards are distinguished from those for conventionally installed plastics piping systems by the requirement to verify certain characteristics in the as-installed condition, after site processing. This is in addition to specifying requirements for plastics piping system components as manufactured.

This System Standard comprises a:

- Part 1: General

and all applicable renovation technique family-related parts from the following:

- Part 2: Lining with continuous pipes
- Part 3: Lining with close-fit pipes
- Part 4: Lining with cured-in-place pipes
- Part 6: Lining with adhesive-backed hoses

The requirements for any given renovation technique family are given in part 1, applied in conjunction with the relevant other part. For example, this part of ISO 11298 and ISO 11298-3 together specify the requirements relating to lining with close-fit pipes. For complementary information, see ISO 11295. Not all technique families are pertinent to every area of application and this is reflected in the part numbers included in each System Standard.

A consistent structure of clause headings has been adopted for all parts of ISO 11298, in order to facilitate direct comparisons across renovation technique families.

Figure 1 shows the common part and clause structure and the relationship between ISO 11298 and the System Standards for other application areas.

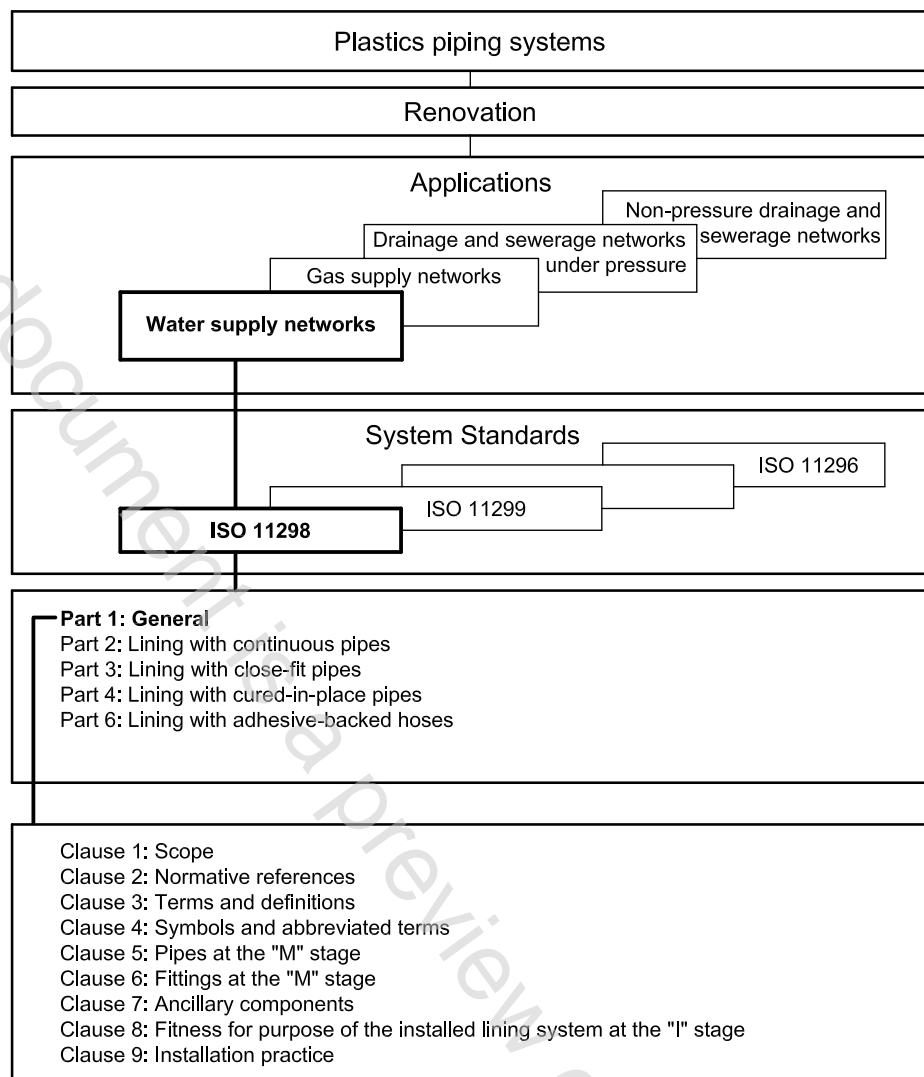


Figure 1 — Format of the renovation System Standards

Plastics piping systems for renovation of underground water supply networks —

Part 1: General

1 Scope

This part of ISO 11298 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground water supply networks, which transport water intended for human consumption, including raw water intake pipelines. It is applicable to pipes and fittings, as manufactured, as well as to the installed lining system. It is not applicable to cover sprayed coatings, the existing pipeline or any annular filler.

This part of ISO 11298 gives the general requirements common to all relevant renovation techniques.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 681-1, *Elastomeric seals — Material requirements for pipe joint seals used in water and drainage applications — Part 1: Vulcanized rubber*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 General

3.1.1

pipeline system

interconnecting pipe network for the conveyance of fluids

3.1.2

rehabilitation

all measures for restoring or upgrading the performance of an existing pipeline system

3.1.3

renovation

work incorporating all or part of the original fabric of the pipeline, by means of which its current performance is improved