

## SLOVENSKI STANDARD SIST EN ISO 11298-1:2011

01-december-2011

Nadomešča:

SIST EN 14409-1:2005

Cevni sistemi iz polimernih materialov za obnovo podzemnih omrežij za oskrbo z vodo - 1. del: Splošno (ISO 11298-1:2010)

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

Kunststoff-Rohrleitungssysteme für die Renovierung erdverlegter Wasserversorgungsnetze - Teil 1: Allgemeines (ISO 11298-1:2010)

Systèmes de canalisations en mati<u>ères plastiques pour</u> la rénovation des réseaux enterrés d'alimentations en eauls i Partie 19 Généralités (150 1129871:2010) ca566e41c2a0/sist-en-iso-11298-1-2011

Ta slovenski standard je istoveten z: EN ISO 11298-1:2011

ICS:

23.040.03 Cevovodi za zunanje sisteme Pipeline and its parts for

transporta vode in njihovi deli external water conveyance

systems

93.025 Zunanji sistemi za prevajanje External water conveyance

vode systems

SIST EN ISO 11298-1:2011 en

## iTeh STANDARD PREVIEW (standards.iteh.ai)

### **EUROPEAN STANDARD**

### **EN ISO 11298-1**

# NORME EUROPÉENNE

### **EUROPÄISCHE NORM**

April 2011

ICS 23.040.20; 23.040.45; 93.025

Supersedes EN 14409-1:2004

#### **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)

This European Standard was approved by CEN on 8 April 2011.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

SIST EN ISO 11298-1:2011

https://standards.iteh.ai/catalog/standards/sist/75bee1e9-f09a-4bb7-a7f0-ca566e41c2a0/sist-en-iso-11298-1-2011



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

### EN ISO 11298-1:2011 (E)

Contents	Page
Foreword	

# iTeh STANDARD PREVIEW (standards.iteh.ai)

EN ISO 11298-1:2011 (E)

### **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.

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 14409-1:2004.

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. A RID PREVIEW

(standards.iteh.ai)
Endorsement notice

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

https://standards.itch.ai/catalog/standards/sist/75bee1e9-f09a-4bb7-a7f0-ca566e41c2a0/sist-en-iso-11298-1-2011

## iTeh STANDARD PREVIEW (standards.iteh.ai)

# INTERNATIONAL STANDARD

ISO 11298-1

First edition 2010-03-01

# Plastics piping systems for renovation of underground water supply networks —

Part 1: **General** 

Systèmes de canalisations en matières plastiques pour la rénovation des réseaux enterrés d'alimentation en eau —

Partie 1: Généralités (standards.iteh.ai)



### ISO 11298-1:2010(E)

#### PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

# iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 11298-1:2011
https://standards.iteh.ai/catalog/standards/sist/75bee1e9-f09a-4bb7-a7f0-ca566e41c2a0/sist-en-iso-11298-1-2011



### COPYRIGHT PROTECTED DOCUMENT

#### © ISO 2010

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

### Contents

Page

Foreword			
Introductionvi			
1	Scope	1	
2	Normative references	1	
3	Terms and definitions	1	
3.1	General	1	
3.2	Techniques		
3.3	Geometrics		
3.4 3.5	Materials  Product stages		
3.6	Service conditions		
3.7	Joints	6	
4	Symbols and abbreviated terms	6	
4.1	Symbols		
4.2	Abbreviated terms		
5	Pipes at the "M" Stage STANDARD PREVIEW	7	
5.1	Materials	7	
5.2 5.3	General characteristics	7	
5.3 5.4	Material characteristics		
5. <del>-</del> 5.5	Mechanical characteristics    Mechan		
5.6	Physical characteristics 23506410240/sixt-on-iso-11298-1-2011	7	
5.7	Jointing	7	
5.8	Marking		
6	Fittings at the "M" stage		
6.1 6.2	Materials General characteristics		
6.2 6.3	Material characteristics		
6.4	Geometric characteristics		
6.5	Mechanical characteristics	8	
6.6	Physical characteristics		
6.7 6.8	JointingMarking		
0.0	· ·		
7	Ancillary components		
8	Fitness for purpose of the installed lining system at the "I" stage	9	
8.1	Materials	9	
8.2 8.3	General characteristics		
8.4	Geometric characteristics		
8.5	Mechanical characteristics		
8.6	Physical characteristics		
8.7	Additional characteristics		
8.8	Sampling		
9	Installation practice		
9.1 9.2	Preparatory work  Storage, handling and transport of pipes and fittings		
9.2	Equipment		

### ISO 11298-1:2010(E)

9.4	Installation	12
9.5	Process-related inspection and testing	13
9.6	Lining termination	
9.7	Reconnection to the existing pipeline system	
9.8	Final inspection and testing	
9.9	Documentation	
Biblio	ography	14

# iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 11298-1:2010(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 11298-1 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*.

ISO 11298 consists of the following parts, under the general title *Plastics piping systems for renovation of underground water supply networks*: tandards.iteh.ai)

- Part 1: General <u>SIST EN ISO 11298-1:2011</u>
- Part 3: Lining with close-fit pipes at 2a0/sist-en-iso-11298-1-2011

Lining with continuous pipes is to form the subject of a part 2; lining with cured-in-place pipes is to form the subject of a part 4; lining with adhesive-backed hoses is to form the subject of a part 6.