



NSAI
Standards

Irish Standard
I.S. EN 295-3:2012

Vitrified clay pipe systems for drains and sewers - Part 3: Test methods

I.S. EN 295-3:2012

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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English Version

Vitrified clay pipe systems for drains and sewers - Part 3: Test methods

Systèmes de tuyaux et accessoires en grès vitrifié pour les collecteurs et branchements - Partie 3: Méthodes d'essai

Steinzeugrohrsysteme für Abwasserleitungen und -kanäle - Teil 3: Prüfverfahren

This European Standard was approved by CEN on 19 November 2011.

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Foreword

This document (EN 295-3:2012) has been prepared by Technical Committee CEN/TC "Wastewater engineering", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by July 2012, and conflicting national standards shall be withdrawn at the latest by January 2013.

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 295-3:1991.

The main changes with respect to the previous edition are listed below:

- a) test method for resistance to high pressure water jetting added;
- b) test method for water absorption added;
- c) test methods from the previous parts 4, 5, 6 and 7 have been included in this European Standard;
- d) editorially revised.

The standard series EN 295 "Vitrified clay pipe systems for drains and sewers" consists of the following parts:

- *Part 1: Requirements for pipes, fittings and joints;*
- *Part 2: Evaluation of conformity and sampling;*
- *Part 3: Test methods;*
- *Part 4: Requirements for adaptors, connectors and flexible couplings;*
- *Part 5: Requirements for perforated pipes and fittings;*
- *Part 6: Requirements for components of manholes and inspection chambers;*
- *Part 7: Requirements for pipes and joints for pipe jacking.*

This European Standard takes into account the requirements of EN 476.

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, Turkey and the United Kingdom.

1 Scope

This European Standard specifies requirements for testing of products manufactured from vitrified clay and other materials specified in the following standards:

- pipes, fittings and joints according to EN 295-1;
- adaptors, connectors and flexible couplings according to EN 295-4;
- perforated pipes and fittings according to EN 295-5;
- components of manholes and inspection chambers according to EN 295-6;
- pipes and joints for pipe jacking according to EN 295-7.

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 295-1:2012, *Vitrified clay pipe systems for drains and sewers — Part 1: Requirements for pipes, fittings and joints*

EN 295-4:2012, *Vitrified clay pipe systems for drains and sewers — Part 4: Requirements for adaptors, connectors and flexible couplings*

EN 295-5:2012, *Vitrified clay pipe systems for drains and sewers — Part 5: Requirements for perforated pipes and fittings*

EN 295-6:2012, *Vitrified clay pipe systems for drains and sewers — Part 6: Requirements for components of manholes and inspection chambers*

EN 295-7:2012, *Vitrified clay pipe systems for drains and sewers — Part 7: Requirements for pipes and joints for pipe jacking*

EN ISO 527-2:1996, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:1993 including Corr 1:1994)*

EN ISO 868, *Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868)*

EN ISO 1133:2005, *Plastics — Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics (ISO 1133:2005)*

CEN/TR 14920:2005, *Jetting resistance of drain and sewer pipes — Moving jet test method*

3 Terms and definitions

For the purposes of this European Standard, the relevant terms and definitions specified in EN 295-1:2012, EN 295-4:2012, EN 295-5:2012, EN 295-6:2012 and EN 295-7:2012 apply.

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