

Irish Standard I.S. EN 295-4:2013

Vitrified clay pipe systems for drains and sewers - Part 4: Requirements for adaptors, connectors and flexible couplings

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English Version

Vitrified clay pipe systems for drains and sewers - Part 4: Requirements for adaptors, connectors and flexible couplings

Systèmes de tuyaux en grès vitrifié pour les collecteurs d'assainissement et les branchements - Partie 4:
Exigences applicables aux adaptateurs, raccords et assemblages souples

Steinzeugrohrsysteme für Abwasserleitungen und -känale -Teil 4: Anforderungen an Übergangs- und Anschlussbauteile und flexible Kupplungen

This European Standard was approved by CEN on 1 December 2012.

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.

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EN 295-4:2013 (E)

Contents Pag					
Forewo	Foreword4				
1	Scope	5			
2	Normative references	5			
3	Terms and definitions				
4	Symbols and abbreviations				
5	Requirements for adaptors, connectors and flexible couplings				
5.1	Materials, manufacture, water absorption and appearance				
5.1.1	Vitrified clay				
5.1.2	Rubber sealing materials				
5.1.3 5.1.4	Polyurethane sealing materials Other materials				
5.1.4 5.1.5	Manufacture				
5.2	Internal diameter				
5.3	Length				
5.4	Angles				
5.5	Squareness of ends and joint interchangeability				
5.6 5.7	Bond strength of adhesive for fixing fired vitrified clay parts together				
5. <i>1</i> 5.8	Chemical resistance				
5.8.1	Vitrified clay				
5.8.2	Other materials	8			
5.9	Requirements for joint assemblies				
5.9.1	Vitrified clay pipeline systems				
5.9.2 5.9.3	Vitrified clay pipelines to other materials Metal banded flexible couplings and adaptors				
5.9.4	Connectors, insertable fittings and sealing rings				
5.9.5	Heatshrinkable sleeves				
6	Common requirements for adaptors, connectors and flexible couplings	٥			
6.1	Reaction to fire				
6.2	Durability				
6.3	Dangerous substances				
7	Designation	9			
-	Marking	_			
8	· ·				
9	Evaluation of conformity				
9.1 9.2	General				
9.3	Factory production control (FPC)				
	,				
Annex A.1	A (normative) Metal banded flexible couplings and adaptors				
A.1 A.2	Types of metal banded flexible couplings and adaptors				
A.2.1	Type 1 couplings (without shear bands)				
A.2.2	Type 2 couplings (with shear bands)	11			
A.2.3	Metal banded adaptors				
A.2.4	Bushes				
A.3 A.3.1	Requirements				
A.3.1 A.3.2	Dimensions and tolerances				
A.3.3	Performance requirements				

EN 295-4:2013 (E)

A.3.4	Testing	14
Annex	B (normative) Connectors, insertable fittings and sealing rings	16
B.1	General	16
B.2	Connectors	
B.3	Insertable fittings	16
B.4	Sealing rings for cut pipes	
B.5	Performance requirements	
Annex	C (normative) Heatshrinkable sleeves	18
C.1	General	
C.2	Materials and manufacture	
C.3	Dimensions	19
C.4	Performance requirements	
Annex	ZA (informative) Clauses of this European Standard addressing the provisions of the EU	
	Construction Products Directive	20
ZA.1	Scope and relevant characteristics	
ZA.2	Procedures for the attestation of conformity of adaptors, connectors and flexible	
	couplings	24
ZA.2.1	System of attestation of conformity	
	EC declaration of conformity	
ZA.3	· ·	
ZA.3.1	General	
	CE marking on the product	
	CE marking on the accompanying documents	
Riblica	graphy	20
הוטווסנ	ןישףיין	23

Foreword

This document (EN 295-4:2013) has been prepared by Technical Committee CEN/TC 165 "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 August 2013, and conflicting national standards shall be withdrawn at the latest by August 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 295-4:1995 and together with EN 295-1:2013, EN 295-2:2013, EN 295-5:2013, EN 295-6:2013 and EN 295-7:2013 it supersedes EN 295-10:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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

- reaction to fire added;
- Annex ZA added.

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 (the present document)
- 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

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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 adaptors and connectors made from vitrified clay and/or other suitable materials for use with vitrified clay pipes and fittings for buried drain and sewer systems for the conveyance of wastewater (including domestic wastewater, surface water and rainwater) under gravity and periodic hydraulic surcharge or under continuous low head of pressure.

Adaptors and connectors include insertable fittings, sealing rings for cut pipes and heat-shrinkable sleeves.

This standard also applies for metal banded flexible couplings and adaptors and specifies requirements for rubber, polyurethane, stainless steel and other components used for them.

NOTE 1 The specifiers/purchasers can select adaptors, connectors and flexible couplings according to their requirements.

NOTE 2 Corresponding provisions for the evaluation of conformity (ITT and FPC) and sampling and those for the test methods are further specified in EN 295-2 and EN 295-3, respectively.

2 Normative references

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

EN 295-1:2013, Vitrified clay pipe systems for drains and sewers — Part 1: Requirements for pipes, fittings and joints

EN 295-2:2013, Vitrified clay pipe systems for drains and sewers — Part 2: Evaluation of conformity and sampling

EN 295-3:2012, Vitrified clay pipe systems for drains and sewers — Part 3: Test methods

EN 295-5:2013, Vitrified clay pipe systems for drains and sewers — Part 5: Requirements for perforated pipes and fittings

EN 295-6:2013, Vitrified clay pipes systems for drain and sewers — Part 6: Requirements for components of manholes and inspection chambers

EN 295-7:2013, Vitrified clay pipe systems for drains and sewers — Part 7: Requirements for pipes and joints for pipe jacking

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

EN 681-4, Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 4: Cast polyurethane sealing elements

EN 1427, Bitumen and bituminous binders — Determination of the softening point — Ring and Ball method

EN 10088-2:2005, Stainless steels — Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes

EN ISO 527-1, Plastics — Determination of tensile properties — Part 1: General principles (ISO 527-1)

EN ISO 527-2, Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2)



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