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SANS 50295-2:1991

Edition 1, EN amdt 1 and nat. amdt 1

EN 295-2:1991

Edition 1 and amdt 1

Any reference to SABS EN 295-2 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

Vitrified clay pipes and fittings and pipe joints for drains and sewers

Part 2: Quality control and sampling

This national standard is the identical implementation of EN 295-2:1991 and EN amendment 1,
and is adopted with the permission of CEN, rue de Stassart 36, B-1050 Brussels.

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Edition 1 and amdt 1

Table of changes

Change No.	Date	Scope
EN amdt 1	1999	Amended to update referenced standards, to add a definition, to correct information in a table, to correct cross references, to modify wording in titles and clauses and to replace the clause on rubber sealing elements with a clause on regular tests and sampling for rigid fairings.
Nat. amdt 1	2007	Amended to change the designation from SABS to SANS, with no technical changes.

National foreword

This South African standard was approved by National Committee StanSA TC 5120.61, *Construction standards*, in accordance with procedures of Standards South Africa, in compliance with annex 3 of the WTO/TBT agreement.

This SANS document was published in May 2007. This SANS document supersedes SABS EN 295-2:1991 (edition 1).

EUROPEAN STANDARD

EN 295-2:1991/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 1999

ICS 23.040.50

English version

Vitrified clay pipes and fittings and pipe joints for drains and sewers - Part 2: Quality control and sampling

Tuyaux et accessoires en grès et assemblages de tuyaux pour les réseaux de branchement et d'assainissement - Partie 2: Contrôle de la qualité et échantillonnage

Steinzeugrohre und Formstücke sowie Rohrverbindungen für Abwasserleitungen und -kanäle - Teil 2: Güteüberwachung und Probenahme

This amendment A1 modifies the European Standard EN 295-2:1991; it was approved by CEN on 28 January 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This amendment 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This Amendment EN 295-2:1991/A1:1999 to EN 295-2:1991 has been prepared by Technical Committee CEN/TC 165 "Waste water engineering", the secretariat of which is held by DIN.

This Amendment to the European Standard EN 295-2:1991 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 1999, and conflicting national standards shall be withdrawn at the latest by September 1999.

For adaptation of EN 295-2:1991 to new published European Standards amendments were necessary.

EN 295-2:1991 in the French version contains editorial mistakes concerning the use of auxiliary verbs. For adaptation of the French version to the English and German version this amendment also contains a list of additional editorial amendments concerning only the French version and therefore are not put at disposal in English and German language.

The CEN-members will decide whether the changes will be published separately from the original version of EN 295-2:1991 or the changes will be incorporated in a revised publication of the standard. These options are allowed under clause M.3 of the CEN/CENELEC internal regulations Part 3.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Amendments to EN 295-2:1991

1. Sub-clause 1.2 Delete "EN 29002:1987
Quality Systems - Model for quality assurance in production and installation"

Insert "EN ISO 9001:1994
Quality Systems - Model for quality assurance in design, development, production,
installation and servicing (ISO 9001:1994)"

Insert "EN ISO 9002:1994
Quality Systems - Model for quality assurance in production, installation and
servicing (ISO 9002:1994)"
2. Sub-clause 1.3 Insert:

 "**1.3.3** new joint design : A joint design of substantially different shape and / or substantially different material than previously made by a manufacturer."
3. Sub-clause 1.4.2 Delete in 5th line "EN 29002"

 Insert "EN ISO 9001 or EN ISO 9002 or equivalent"
4. Sub-clause 1.4.3 Delete in last paragraph last line "and EN 45012"

 Insert ",EN 45012 or equivalent"
5. Table 1 Item 7, column 3 delete "Impermeability" insert "Watertightness"
 column 4 delete "2.18" insert "2.14"
 column 5 delete "13" insert "9"
6. Sub-clause 1.5 Delete in title "(EN 29002 : 1987 Clause 4.9)".
7. Sub-clause 1.6 Delete in title "(EN 29002 : 1987 Clause 4.10)".
8. Clause 2 1st paragraph 1st line delete "EN 29002 : 1987". Insert "EN ISO 9002"

 2nd paragraph 2nd line delete "EN 29002 : 1987 Clause 4.9.4". Insert "EN ISO 9002"

 2nd paragraph indent (d) and (f) last lines delete "EN 29002 : 1987 Clause 4.9.1.1". Insert "EN ISO 9002"

9. Clause 3 Delete in heading "(EN 29002 : 1987 Clause 4.9.3)"
10. Clause 3.2.1 3rd line delete "table 11". Insert "table 12".
3rd line delete "table 10". Insert "table 11".
11. Sub-clause 3.2.3 (a) Insert after last sentence "For 2.9 of EN 295-1:1991 the AQL shall be 4% and the inspection level S3 of ISO 2859-1."

(b) Insert after last sentence "For 2.9 of EN 295-1:1991 the AQL shall be 4% and the inspection level S3 of ISO 3951."
12. Sub-clause 3.3 In the title delete "of pipes"
13. Sub-clause 3.4 In last line of heading delete "and". At end of the heading insert " and 2.18 - Airtightness"
14. Sub-clause 3.5.1 4th line delete "table 11". Insert "table 12".
4th line delete "table 10". Insert "table 11".
15. Table 2 Delete heading "Impermeability 2.18". Insert "Watertightness 2.14 and Airtightness 2.18"
16. Sub-clause 3.6.2 In title delete "2.18 -Impermeability of fittings (excluding Junctions)". Insert "2.14 - Watertightness - bends".

1st paragraph 2nd line delete "fitting". Insert "bend".

2nd paragraph in lines 1,3,5, and 7 delete "fittings". Insert "bends".
17. Sub-clause 3.6.3 In title delete "2.18 - Impermeability of fittings - junctions". Insert "2.14 - Watertightness - junctions".
18. Sub-clause 3.7 In title delete "and 2.15 - Chemical resistance".
Insert ",2.15 - Chemical resistance and 2.18 - Airtightness of bends and junctions"
19. Sub-clause 3.8 Delete 2nd sentence. Replace with "One test piece shall be tested for each production week."

Delete in 3rd sentence "the mix". Replace with "products made from that mix"
20. Sub-clause 3.9.2 Delete in heading "(EN 29002 : 1987 Clause 4.5.4)"
21. Sub-clause 3.10.1.1 Insert in first line after "compression set" "(24h at 70 °C)"
22. Sub-clause 3.11 Delete this clause

Insert new clause 3.11

3.11 Regular tests and sampling for rigid fairings to 3.1.5 of EN 295-1 : 1991

3.11.1 Deformation

Deformation tests shall be carried out at a rate of one sample from each dispensing unit each day.

3.11.2 Indentation

Indentation tests shall be carried out at a rate of one sample from each dispensing unit each day.

3.11.3 Retest procedure and sampling for regular tests to 3.11.1 and 3.11.2

In the event of a sample failing a test, select and test three further samples.