

English version
Version Française
Deutsche Fassung

Cast iron pipes and fittings, their joints and accessories for the evacuation
of water from buildings - Requirements, test methods and quality
assurance

Tuyaux et raccords en fonte, leurs
assemblages et accessoires destinés à
l'évacuation des bâtiments - Prescriptions,
méthodes d'essai et assurance qualité

Rohre und Formstücke aus Gusseisen,
deren Verbindungen und Zubehör zur
Entwässerung von Gebäuden -
Anforderungen, Prüfverfahren und
Qualitätssicherung

This corrigendum becomes effective on 30 January 2008 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 30 janvier 2008 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 30. Januar 2008 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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3 Definitions

Add

"3.13 range of products

Group of products produced by one manufacturer for which the test results for one or more characteristics from any one product within the range are valid for all other products within this range."

4.1.3 Reaction to fire

In the second dash, replace the words "assembled products" with "a range" and delete the comma after the bracket to read: "

- a range (including coated pipes, coated fittings and couplings) shall be tested according to EN 13823 (SBI), using the mounting adaptations given in Annex H, and shall satisfy the requirements of classification criteria and additional classifications listed in EN 13501-1 for the intended class of reaction to fire."

4.6.3 External coatings

Replace the words "the products assembled as a discharge system" with "the range" and "PCS_{system ext. coating}" with "PCS_{range ext. coating}" to read: "

...

For a classification of the range within classes E to B (see EN 13501-1, table on "classes on reaction to fire on performance for construction products excluding floorings"), each coating shall conform to the following requirements when tested in accordance to 5.7.3.3:

- Ignitability: requirements of classification criteria and additional classifications listed in EN 13501-1 specific to the class.

For an A2 classification of the range (see EN 13501-1, table on "classes on reaction to fire on performance for construction products excluding floorings"), the gross calorific potential of the external coatings, noted PCS_{range ext. coating}, shall conform to the requirements of EN 13501-1 on external components when tested and calculated in accordance with 5.7.3.3:

- gross calorific potential of external coatings, PCS_{range ext. coating}:
 - if external coatings are substantial components, PCS_{range ext. coating} ≤ 3 MJ/kg;
 - if external coatings are non-substantial components, PCS_{range ext. coating} ≤ 4 MJ/m²."

5.7.3.3 Reaction to fire – external coatings

After the dash Gross calorific potential, delete "for the coating" to read:

"For pipes and fittings where the manufacturer is claiming a reaction to fire class A2, each external coating shall be tested according to EN ISO 1716 in order to obtain its gross calorific potential value (PCS).".

In last paragraph, replace the words "the products assembled as a discharge system" and "the assembled products" with "the range" and "PCS_{system ext. coating}" with "PCS_{range ext. coating}" to read:

To classify the range and be representative of final use, the PCS of external coatings for the range, noted PCS_{range ext. coating}, shall be calculated. The method of calculation is detailed in Annex G."

D.2 Initial type testing

Replace the word "conformance" with "conformity" to read:

"Samples of prototypes (pipes, fittings, accessories and joints) for each range of DN (see Table 7) shall pass all the type tests listed in Tables 9 and 10 to demonstrate conformity with Clause 4, before production commences."

And in "Table D.1 — Type tests for pipes, fittings and accessories"

For the item to be tested "Reaction to fire", replace twice "system" with "range" to read: "

Reaction to fire			
– Range	1 per range	5.7.3.3/Annex H	4.1.3/4.6.3

".

Annex G
(informative)

Replace "the assembled products" with "the range" and replace twice "PCS system ext. coating" with "PCS range ext. coating" to read:

**"Method of calculation of gross calorific potential of external coatings
for the range, noted PCS range ext. coating"**

$$PCS_{\text{range ext. coating}} = (0,8 \times PCS_{\text{pipes ext. coating}}) + (0,2 \times PCS_{\text{fittings ext. coating}})''.$$

Annex H
(normative)

In the title, delete "system" and replace "assembled products" with "a products range" to read:

"Reaction to fire test (SBI adaptation for testing a products range)"

Figures H.1 and H.2, replace "system" with "range" and "discharge systems" with "ranges" to read: "

Spigots and couplings range

Spigots and sockets range

Key

- 1 vertical part axis
- 2 lower end of coupling level
- 3 bottom of socket level

Figure H.1 — Dimensions for mountings of cast iron ranges

...

Figure H.2 — Position of brackets on mountings of cast iron ranges".

Annex ZA (informative)

Clauses of the European Standard addressing essential requirements or other provisions of EU Directives

ZA.2.1 System of attestation of conformity

Add reference to 2001/596/EC and complete the Tables ZA.2 and ZA.3a, ZA.3b, to read:

"The system(s) of attestation of conformity of cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings indicated in Table ZA.1, as given in Annex III of the mandate M/131 for pipes, tanks and ancillaries not in contact with water intended for human consumption (see also Decision details 99/472/EC; dated 1999/07/17 and 2001/596/EC dated 2001/01/08), is shown in Table ZA.2 for the indicated intended use(s) and relevant level(s) or class(es):

Table ZA.2 — System of attestation of conformity

Product(s)	Intended use(s)	Level(s) or class(es)	Attestation of conformity system(s)
Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings.	Discharge systems for buildings and drains outside buildings, for the conveyance of domestic wastewater and surface water (including rain water)	–	System 4
	in installations in areas subject to reaction to fire regulations, used for the transport/disposal/storage of water not intended for human consumption.	A1 ⁽²⁾ ,A2 ⁽²⁾ ,B ⁽²⁾ ,C ⁽²⁾ ,D,E (A1 to E) ⁽³⁾ ,F	System 3 System 4
<p>(¹) Products/materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material). Products covered by this standard do not fall into this class.</p> <p>(²) Products/materials not covered by footnote 1</p> <p>(³) Products/materials that do not require to be tested for reaction to fire (e.g. Products/materials of Classes A1 according to Commission Decision 96/603/EC.</p> <p>System 3: See CPD Annex III.2 (ii), Second possibility</p> <p>System 4: See CPD Annex III.2 (ii), Third possibility</p>			

Table ZA.3.a — Assignment of evaluation of conformity tasks for cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings under system 3

Tasks		Content of the task	Evaluation of conformity clauses to apply
Tasks under the responsibility of the manufacturer	Factory production control (FPC)	Parameters related to all characteristics of Table ZA.1	D.3
	Initial type testing by a notified test laboratory	Reaction to fire classes A1 ⁽²⁾ , A2 ⁽²⁾ , B ⁽²⁾ , C ⁽²⁾ , D, E (A2 to E) ⁽³⁾	4.1.3 D.2
	Initial type testing by the manufacturer	All characteristics of Table ZA.1 including declaration of Reaction to fire class A1 or class F	D.2

Table ZA.3.b — Assignment of evaluation of conformity tasks for cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings under system 4

Tasks		Content of the task	Evaluation of conformity clauses to apply
Tasks under the responsibility of the manufacturer	Factory production control (F.P.C)	Parameters related to all characteristics of Table ZA.1	Annex D, Evaluation of conformity
	Initial type testing	All characteristics of Table ZA.1 including declaration for reaction to fire class A.1 Reaction to fire class F	

".

ZA.2.2 Declaration of conformity

Add a dash for the name and address of the notified laboratory(ies), if applicable, to read:

"... (e.g. provisions for use under certain conditions etc.);

— name and address of the notified laboratory(ies), if applicable;

— name of, and position held by, the person empowered to sign the declaration on behalf of the manufacturer or his authorised representative..."

ZA.3 CE marking and labelling

In sixth dash, add "range to which it belongs" to read: "

— description of the product: range to which it belongs, generic name, material, dimensions, intended use and place of installation;"

Complete the last dash to read: "

— "No performance determined" for characteristics where this is relevant, (see ZA.1).

The "No performance determined" (NPD) option may not be used where the characteristic is subject to threshold level. Otherwise, the NPD option may be used when and where the characteristic, for a given intended use, is not subject to regulatory requirements in the Member State of destination."

Replace Figure ZA.2 with the one below:

"


		CE conformity marking consisting of the "CE"-symbol given in Directive 93/68/EEC.
X Co Ltd, CEDEX, F-2351		Name, or identifying mark and registered address, of producer
05		Last two digits of year in which marking was affixed
EN 877:1999/A1:2006		N° of European Standard
Cast fittings		Description of product
Drainage of water from buildings		
Range A - 45° Branch DN 100 × 50		
- Reaction to fire (Range)	A2 - s1, d0	And information on regulated characteristics Where subject to a threshold values the manufacturer may declare actual values if they exceed the minimum requirements.
- Internal pressure strength	Pass	
- Dimension tolerances	Pass	
- Impact resistance	Pass	
- Tightness	Pass	
- Durability		
- Internal coating	epoxy, pass	
- External coating	epoxy, pass	

Figure ZA.2 — Example of information to be given on the accompanying documents

NOTE 1 In addition to any specific information relating to dangerous substances shown above, the product should also be accompanied, when and where required and in the appropriate form, by documentation listing any other legislation on dangerous substances for which compliance is claimed, together with any information required by that legislation.

NOTE 2 European legislation without national derogations need not be mentioned.