

October 2017

ICS 23.040.05; 23.040.10; 23.040.40

Will supersede EN 598:2007+A1:2009

English Version

Coated and lined ductile iron pipes, fittings and their joints for sewerage and drainage applications - Products characteristics and test and assessment methods

Tuyaux et raccords en fonte ductile revêtus
extérieurement et intérieurement et leurs assemblages
pour l'assainissement et l'évacuation - Caractéristiques
des produits et méthodes d'essai et d'évaluation

Umhüllte und ausgekleidete Rohre, Formstücke,
Zuberhörteile aus duktilem Gusseisen und ihre
Verbindungen für die Abwasser-Entsorgung -
Anforderungen und Prüfverfahren

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 203.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (prEN 598:2017) has been prepared by Technical Committee CEN/TC 203 “Cast iron pipes, fittings and their joints”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 598:2007+A1:2009.

This standard has been revised to modify Annex ZA and Clause 9.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports basic work requirements of Regulation (EU) 305/2011.

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

1 Scope

This European Standard specifies the products characteristics and associated test and assessment methods applicable to coated and lined ductile iron pipes, coated and lined fittings and joints which include (non-exhaustive list) coated and lined accessories such as collar, tees, saddles, bends, tapers, flanged socket.

Intended use: Gravity and pressure drains and sewers:

- operating without pressure, or with positive or negative pressure;
- installed below or above ground;
- for conveyance of surface water, wastewater in separate systems or in combined systems.

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 196-1, *Methods of testing cement — Part 1: Determination of strength*

EN 545, *Ductile iron pipes, fittings, accessories and their joints for water pipelines — Requirements and test methods*

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

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13823:2010+A1:2014, *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

EN ISO 1182, *Reaction to fire tests for products — Non-combustibility test (ISO 1182)*

EN ISO 1716, *Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value) (ISO 1716)*

EN ISO 6506-1, *Metallic materials — Brinell hardness test — Part 1: Test method (ISO 6506-1)*

EN ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature (ISO 6892-1)*

EN ISO 11925-2, *Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2)*

3 Terms, definitions and abbreviations

For the purposes of this document, the following terms, definitions and abbreviations apply.