

STN	Rúry, tvarovky a príslušenstvo z tvárnej liatiny Cementová výstelka rúr Požiadavky a skúšobné metódy	STN EN 15542 13 8102
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Ductile iron pipes, fittings and accessories - External cement mortar coating for pipes - Requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Ductile iron pipes, fittings and accessories - External cement mortar coating for pipes - Requirements and test methods

Tuyaux, raccords et accessoires en fonte ductile -
Revêtement extérieur en mortier de ciment pour
tuyaux - Prescriptions et méthodes d'essai

Rohre, Formstücke und Zubehör aus duktilem
Gusseisen - Zementmörtelumhüllung von Rohren -
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 12 January 2026.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 15542:2026 (E)

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EN 15542:2026 (E)**European foreword**

This document (EN 15542:2026) 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 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of an identical text or by endorsement, at the latest by September 2026, and conflicting national standards shall be withdrawn at the latest by September 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15542:2008.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

This document is in conformity with the general requirements already established by CEN/TC 164 in the field of water supply (e.g. potable water) and CEN/TC 165 in the field of waste water.

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this document:

- a) This document provides no information as to whether the product may be used without restriction in any of the member states of the EU or EFTA.
- b) It should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

EN 15542:2026 (E)**1 Scope**

This document specifies the requirements and test methods applicable to factory applied cement mortar coatings for the external corrosion protection of ductile iron pipes conforming to EN 545, EN 598 and EN 969 for use at operating temperatures up to 50 °C.

Coatings according to this document are suitable for soils of all common corrosion loads and trenchless applications.

Special activities on site such as joint protection, tapping, clamping, etc. could affect the corrosion protection properties of the cement mortar coating. These operations are normally covered in the laying instructions supplied by the manufacturers of pipes, clamps, house connection saddles, etc. and any relevant users' procedures. Such instructions are not part of this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 197-1, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

EN 197-2, *Cement — Part 2: Assessment and verification of constancy of performance*

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

EN 598, *Ductile iron pipes, fittings, accessories and their joints for sewerage applications — Requirements and test methods*

EN 969, *Ductile iron pipes, fittings, accessories and their joints for gas pipelines — Requirements and test methods*

EN 13055, *Lightweight aggregates*

EN 14020-1, *Reinforcements — Specification for textile glass rovings — Part 1: Designation*

EN 14020-2, *Reinforcements — Specification for textile glass rovings — Part 2: Methods of test and general requirements*

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)*

EN ISO 4624, *Paints and varnishes — Pull-off test for adhesion (ISO 4624)*

ISO 695, *Glass — Resistance to attack by a boiling aqueous solution of mixed alkali — Method of test and classification*

ISO 719, *Glass — Hydrolytic resistance of glass grains at 98 °C — Method of test and classification*

ISO 2591-1, *Test sieving — Part 1: Methods using test sieves of woven wire cloth and perforated metal plate*

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