

Rúry, tvarovky a príslušenstvo z tvárnej liatiny Požiadavky a skúšobné metódy na organické povlaky tvaroviek a príslušenstva z tvárnej liatiny Časť 1: Epoxidový povlak (pre veľké zaťaženie)

STN EN 14901-1+A1

13 8133

Ductile iron pipes, fittings and accessories - Requirements and test methods for organic coatings of ductile iron fittings and accessories - Part 1: Epoxy coating (heavy duty)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/20

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Ductile iron pipes, fittings and accessories - Requirements and test methods for organic coatings of ductile iron fittings and accessories - Part 1: Epoxy coating (heavy duty)

Tuyaux, raccords et accessoires en fonte ductile -Prescriptions et méthodes d'essai pour les revêtements organiques des raccords et accessoires en fonte ductile - Partie 1 : Revêtement époxy (renforcé) Rohre, Formstücke und Zubehör aus duktilem Gusseisen - Anforderungen und Prüfverfahren für organische Beschichtungen von Formstücken und Zubehörteilen aus duktilem Gusseisen - Teil 1: Epoxidharzbeschichtung (für erhöhte Beanspruchung)

This European Standard was approved by CEN on 28 August 2014 and includes Amendment 1 approved by CEN on 16 September 2019.

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

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EN 14901-1:2014+A1:2019 (E)

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European foreword

This document (EN 14901-1:2014+A1:2019) 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of an identical text or by endorsement, at the latest by May 2020 and conflicting national standards shall be withdrawn at the latest by May 2020.

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 includes Amendment 1 approved by CEN on 16 September 2019.

This document supersedes (A) EN 14901:2014 (A).

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A].

In comparison with EN 14901:2006, the following changes have been made:

- correction of several typing errors, wrong units etc.;
- actualized dates of referenced standards;
- clearer description of the coating thickness test method (7.1.5);
- attribution of performance requirements "chemical resistance" and "abrasion resistance" to coatings in sewer applications (Lines 8 and 9 of Table A.1);
- actualization of the requirement "fitness for contact with potable water" according to the present status (line 10 of Table A.1);
- correction of overlapping nominal sizes at DN grouping (Table A.3).

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Introduction

This European Standard is in conformity with the general requirements already established by CEN/TC 164 in the field of water supply (e.g. potable water), CEN/TC 165 in the field of wastewater and CEN/TC 234 in the field of gas distribution.

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

- 1) this standard provides no information as to whether the product may be used without restriction in any of the member states of the EU or EFTA;
- 2) 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.

1 Scope

This European Standard defines the requirements and test methods for factory applied epoxy coatings (fusion bonded powder or liquid two-pack) used for the corrosion protection of ductile iron fittings and accessories conforming to EN 545, EN 598, EN 969, EN 12842, EN 14525, for:

- conveying water (e.g. potable water) at operating temperature up to 50 °C excluding frost; or
- conveying waste water at operating temperature up to 45 °C excluding frost; or
- conveying gas at operating temperature up to 50 °C;
- suitable for external environments, i.e. soils, waters and atmospheres of all common corrosion loads, characterized in EN 545:2010, D.2.3.

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 545:2010, 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 805, Water supply - Requirements for systems and components outside buildings

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

EN 12842, Ductile iron fittings for PVC-U or PE piping systems - Requirements and test methods

EN 14525, Ductile iron wide tolerance couplings and flange adaptors for use with pipes of different materials: ductile iron, Grey iron, Steel, PVC-U PE, Fibre-cement

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

EN ISO 8501-1, Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings (ISO 8501-1)

koniec náhľadu – text ďalej pokračuje v platenej verzii STN