

STN	Potrubia z tvárnej liatiny, tvarovky a príslušenstvo. Epoxidové povlaky na tvarovky a príslušenstvo z tvárnej liatiny s veľkým zaťažením. Požiadavky a skúšobné metódy.	STN EN 14901
		13 8133

Ductile iron pipes, fittings and accessories - Epoxy coating (heavy duty) of ductile iron fittings and accessories - 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 - Epoxy coating
(heavy duty) of ductile iron fittings and accessories -
Requirements and test methods

Tuyaux, raccords et accessoires en fonte ductile -
Revêtement époxy (renforcé) des raccords et accessoires
en fonte ductile - Prescriptions et méthodes d'essai

Rohre, Formstücke und Zubehör aus duktilem Gusseisen -
Epoxidharzbeschichtung (für erhöhte Beanspruchung) von
Formstücken und Zubehörteilen aus duktilem Gusseisen -
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 28 August 2014.

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

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Contents		Page
Foreword.....		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Ordering information		8
5 Technical Requirements		9
5.1 General		9
5.2 Surface preparation		9
5.3 Appearance and continuity		9
5.4 Adhesion		9
5.5 Coating thickness		9
5.6 Cross linkage		9
5.7 Repairs		10
5.8 Marking		10
6 Performance requirements		10
6.1 General		10
6.2 Impact resistance		10
6.3 Indentation resistance		10
6.4 Non porosity		10
6.5 Cross linkage		10
6.6 Durability		11
6.6.1 General		11
6.6.2 Heat ageing resistance in air		11
6.6.3 Heat ageing resistance in water		11
6.7 Chemical resistance (only for sewage application)		11
6.8 Abrasion resistance (only for sewage application)		11
6.9 Materials in contact with water intended for human consumption		11
7 Test Methods		11
7.1 Routine tests		11
7.1.1 General		11
7.1.2 Surface preparation		11
7.1.3 Appearance and continuity		11
7.1.4 Adhesion		11
7.1.5 Coating thickness		12
7.1.6 Cross linkage		12
7.2 Performance tests		12
7.2.1 General		12
7.2.2 Impact resistance		12
7.2.3 Indentation resistance		12
7.2.4 Non porosity		13
7.2.5 Durability		13
Annex A (informative) Quality assurance		14
A.1 General		14
A.2 Performance type test, fitting and accessory size grouping		15

A.3	Quality assessment system	15
	Annex B (informative) Coating materials and application	16
B.1	General	16
B.2	Coating application	16
	Annex C (informative) Handling, transportation and storage.....	17
C.1	Handling	17
C.2	Transportation to storage areas	17
C.3	Storage	17
C.4	Loading of fittings and accessories for delivery	17
	Bibliography.....	18

Foreword

This document (EN 14901:2014) 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 April 2015 and conflicting national standards shall be withdrawn at the latest by April 2015.

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

This document supersedes EN 14901:2006.

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 organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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, 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 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)*

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