

STN	Rúry, tvarovky a príslušenstvo z tvárnej liatiny Požiadavky a skúšobné metódy na organické povlaky tvaroviek a príslušenstva z tvárnej liatiny Časť 2: Termoplastický modifikovaný polyolefínový povlak (TMPO)	STN EN 14901-2 13 8133
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Ductile iron pipes, fittings and accessories - Requirements and test methods for organic coatings of ductile iron fittings and accessories - Part 2: Thermoplastic acid modified polyolefin coating (TMPO)

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

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EUROPEAN STANDARD

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English Version

Ductile iron pipes, fittings and accessories - Requirements
and test methods for organic coatings of ductile iron
fittings and accessories - Part 2: Thermoplastic acid
modified polyolefin coating (TMPO)

Tuyaux, raccords et accessoires en fonte ductile -
Prescriptions et méthodes d'essai relatives aux
revêtements organiques des raccords et accessoires en
fonte ductile - Partie 2 : Revêtement thermoplastique
en polyoléfine modifiée par un acide (TPMA)

Rohre, Formstücke und Zubehör aus duktilem
Gusseisen - Anforderungen und Prüfverfahren für
organische Beschichtungen von Formstücken und
Zubehör aus duktilem Gusseisen - Teil 2: Beschichtung
aus thermoplastisch säuremodifiziertem Polyolefin

This European Standard was 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 14901-2:2019 (E)

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European foreword

This document (EN 14901-2:2019) 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of an identical text or by endorsement, at the latest by May 2020, and conflicting national standards shall be withdrawn at the latest by May 2020.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.

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EN 14901-2:2019 (E)**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), CEN/TC 165 in the field of wastewater and CEN/TC 234 in the field of gas distribution.

With respect to 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.

1 Scope

This document defines the requirements and test methods for factory applied thermoplastic acid modified polyolefin (TMPO) coatings used for the protection of ductile iron fittings and accessories according to EN 545, EN 598:2007+A1:2009, EN 969, EN 12842 and EN 14525:

- conveying water (e.g. potable water, raw water, ...) at operating temperature up to 50 °C; or
- conveying waste water at operating temperature up to 45 °C; 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 D.2.3 of EN 545:2010.

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 598:2007+A1:2009, *Coated and lined ductile iron pipes, fittings and their joints for sewerage and drainage applications - Product characteristics and test and assessment 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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