

**SLOVENSKI STANDARD**  
**SIST EN 14901-1:2014/oprA1:2018**  
**01-november-2018**

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**Cevi, fittingi in pribor iz duktilne železove litine - Zahteve in preskusne metode za zunanje organske prevleke fittingov in pribora iz duktilne železove litine - 1. del: Epoksidna prevleka (za visoke obremenitve) - Dopolnilo A1**

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)

Rohre, Formstücke und Zubehör aus duktilem Gusseisen - Anforderungen und Prüfverfahren für organische Beschichtungen von Formstücken und Zubehör aus duktilem Gusseisen - Teil 1: Epoxidharzbeschichtung (für erhöhte Beanspruchung)

**Ta slovenski standard je istoveten z: EN 14901-1:2014/prA1:2018**

**ICS:**

23.040.10	Železne in jeklene cevi	Iron and steel pipes
23.040.40	Kovinski fittingi	Metal fittings
25.220.60	Organske prevleke	Organic coatings

**SIST EN 14901-1:2014/oprA1:2018**      **en,fr,de**

**ITeH STANDARD PREVIEW**  
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Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/bb4b9d87-b181-41ac-b586-1b690a8959bc/sist-en-14901-1-2014-1/oprA1-2018>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**EN 14901-1:2014**  
**prA1**

November 2018

ICS 23.040.10; 23.040.40; 25.220.60

English Version

**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)**

Rohre, Formstücke und Zubehör aus duktilem  
Gusseisen - Anforderungen und Prüfverfahren für  
organische Beschichtungen von Formstücken und  
Zubehör aus duktilem Gusseisen - Teil 1:  
Epoxidharzbeschichtung (für erhöhte Beanspruchung)

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

This draft amendment A1, if approved, will modify the European Standard EN 14901:2014. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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## European foreword

This document (EN 14901-1:2014/prA1:2018) 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 14901:2014.

In comparison with the previous edition, the following technical modifications have been made:

- a) Renumbering of EN 14901:2014 to EN 14901-1;
- b) Title change;
- c) Modification to 7.2.2 “Impact resistance”.

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**EN 14901:2014/prA1:2018 (E)****1 Modification to Standard reference**

*Change the Standard reference of EN 14901:2014 to:*

“EN 14901-1”

**2 Modification to Title**

*Replace the current title of EN 14901:2014 with the following:*

“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)”

**3 Modification to 7.2.2**

*Replace 7.2.2 with the following:*

**“7.2.2 Impact resistance**

The impact resistance shall be tested by dropping a weight on the coating with a given energy and checking the absence of damage. The specimen shall be supported by a rigid construction such that the impact energy caused by the impact of the falling weight is absorbed by the specimen. The front surface of the falling weight shall be a section of a sphere of hardened steel with a diameter of 25 mm. Ten impacts separated by at least 30 mm shall be carried out.

The test shall be carried out at an ambient temperature of  $(23 \pm 2)$  °C. The impact energy E shall be  $(20 \text{ Nm/mm coating thickness}) \pm 5 \%$ . The height of fall of the weight (500 g) shall be 1 m. Care shall be taken to ensure that little friction occurs when the falling weight is dropped and that the impact energy is maintained at a constant level.

EXAMPLE For the coating thickness according to Clause 5.5, the impact energy is 5 Nm.

The absence of impact damage shall be tested after each impact using the non-porosity test according to 7.2.4.”