



**SLOVENSKI STANDARD
SIST EN ISO 11130:2018**

01-maj-2018

**Nadomešča:
SIST EN ISO 11130:2010**

Korozija kovin in zlitin - Preskus z izmeničnim potapljanjem v raztopinah soli (ISO 11130:2017)

Corrosion of metals and alloys - Alternate immersion test in salt solution (ISO 11130:2017)

Korrosion von Metallen und Legierungen - Wechseltauchprüfung in Salzlösung (ISO 11130:2017)

Corrosion des métaux et alliages - Essai en immersion alternées en solution saline (ISO 11130:2017)

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Ta slovenski standard je istoveten z: EN ISO 11130:2018

ICS:

77.060 Korozija kovin Corrosion of metals

SIST EN ISO 11130:2018 en

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EUROPEAN STANDARD

EN ISO 11130

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 11130:2010

English Version

Corrosion of metals and alloys - Alternate immersion test in salt solution (ISO 11130:2017)

Corrosion des métaux et alliages - Essai en immersions
alternées en solution saline (ISO 11130:2017)

Korrosion von Metallen und Legierungen -
Wechseltauchprüfung in Salzlösung (ISO 11130:2017)

This European Standard was approved by CEN on 21 November 2017.

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This European Standard exists 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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 11130:2018) has been prepared by Technical Committee ISO/TC 156 “Corrosion of metals and alloys” in collaboration with Technical Committee CEN/TC 262 “Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys” the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by September 2018, and conflicting national standards shall be withdrawn at the latest by September 2018.

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

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Endorsement notice

The text of ISO 11130:2017 has been approved by CEN as EN ISO 11130:2018 without any modification.

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INTERNATIONAL
STANDARD

ISO
11130

Third edition
2017-12

**Corrosion of metals and alloys —
Alternate immersion test in salt
solution**

*Corrosion des métaux et alliages — Essai en immersions alternées en
solution saline*

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ISO 11130:2017(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*.

This third edition cancels and replaces the second edition (ISO 11130:2010), which has been technically revised with the following changes: [1feb96183864/sist-en-iso-11130-2018](https://www.iso.org/standard/6183864/sist-en-iso-11130-2018)

- harmonization with ISO 9227;
- revision of the temperature and relative humidity of drying conditions.

Introduction

Corrosion of metals is influenced by factors which can vary significantly with environmental conditions. Therefore, corrosion resistance determined for metals during alternate immersion testing as described in this document can vary greatly with the test solution selected, the temperature during immersion and the temperature and humidity during the drying periods of the test.

Consequently, the result of an alternate immersion corrosion test is not taken as an indication of the corrosion resistance of the metal tested in all the different service environments where the metal can be used.

Nevertheless, results obtained by the method described in this document can indicate the relative corrosion resistance of different metals under in-service conditions, in particular when the service environment is similar to the test solution selected. The method can also be used to test metals under an applied tensile stress.

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