



**SLOVENSKI STANDARD**  
**SIST EN ISO 11130:2010**

**01-september-2010**

**Nadomešča:**  
**SIST EN ISO 11130:2000**

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**Korozija kovin in zlitin - Preskus z izmeničnim potapljanjem v raztopinah soli (ISO 11130:2010)**

Corrosion of metals and alloys - Alternate immersion test in salt solution (ISO 11130:2010)

Korrosion von Metallen und Legierungen - Wechseltauchprüfung in Salzlösung (ISO 11130:2010)

Corrosion des métaux et alliages - Essai en immersion alternées en solution saline (ISO 11130:2010)

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**Ta slovenski standard je istoveten z: EN ISO 11130:2010**

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**ICS:**

77.060

Korozija kovin

Corrosion of metals

**SIST EN ISO 11130:2010**

**en,fr**

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EUROPEAN STANDARD

**EN ISO 11130**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2010

ICS 77.060

Supersedes EN ISO 11130:1999

English Version

**Corrosion of metals and alloys - Alternate immersion test in salt solution (ISO 11130:2010)**

Corrosion des métaux et alliages - Essai en immersions alternées en solution saline (ISO 11130:2010)

Korrosion von Metallen und Legierungen - Wechseltauchprüfung in Salzlösung (ISO 11130:2010)

This European Standard was approved by CEN on 12 June 2010.

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## Foreword

This document (EN ISO 11130:2010) 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" 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of an identical text or by endorsement, at the latest by December 2010, and conflicting national standards shall be withdrawn at the latest by December 2010.

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 ISO 11130:1999.

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

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# INTERNATIONAL STANDARD

**ISO**  
**11130**

Second edition  
2010-06-15

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## **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 11130:2010(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 11130 was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*.

This second edition cancels and replaces the first edition (ISO 11130:1999), of which Annex B has been technically revised.

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## 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 International Standard 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 International Standard 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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