

SLOVENSKI STANDARD

SIST EN ISO 22479:2022

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Nadomešča:

SIST EN ISO 3231:1998

SIST EN ISO 6988:1999

Korozija kovin in zlitin - Korozijski preskus s SO₂ v vlažni atmosferi (metoda s stalno (fiksno) koncentracijo plina) (ISO 22479:2019)

Corrosion of metals and alloys - Sulfur dioxide test in a humid atmosphere (fixed gas method) (ISO 22479:2019)

Korrosion von Metallen und Legierungen - Prüfung mit Schwefeldioxid in feuchter Atmosphäre (Verfahren mit festem Gasvolumen) (ISO 22479:2019)

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Corrosion des métaux et alliages - Essai au dioxyde de soufre en atmosphère humide (méthode avec volume fixe de gaz) (ISO 22479:2019)

Ta slovenski standard je istoveten z: EN ISO 22479:2022

ICS:

77.060

Korozija kovin

Corrosion of metals

SIST EN ISO 22479:2022

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NORME EUROPÉENNE
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English Version

Corrosion of metals and alloys - Sulfur dioxide test in a
humid atmosphere (fixed gas method) (ISO 22479:2019)

Corrosion des métaux et alliages - Essai au dioxyde de
soufre en atmosphère humide (méthode avec volume
fixe de gaz) (ISO 22479:2019)

Korrosion von Metallen und Legierungen - Prüfung mit
Schwefeldioxid in feuchter Atmosphäre (fixed gas
method) (ISO 22479:2019)

This European Standard was approved by CEN on 20 June 2022.

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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 foreword

The text of ISO 22479:2019 has been prepared by Technical Committee ISO/TC 156 "Corrosion of metals and alloys" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 22479:2022 by 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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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.

This document supersedes EN ISO 3231:1997 and EN ISO 6988:1994.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 22479:2019 has been approved by CEN as EN ISO 22479:2022 without any modification.

INTERNATIONAL STANDARD

ISO
22479

First edition
2019-05

Corrosion of metals and alloys — Sulfur dioxide test in a humid atmosphere (fixed gas method)

*Corrosion des métaux et alliages — Essai au dioxyde de soufre en
atmosphère humide (méthode avec volume fixe de gaz)*

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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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of 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 www.iso.org/iso/foreword.html.

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

This first edition of ISO 22479 cancels and replaces ISO 3231:1993 and ISO 6988:1985, which have been combined and technically revised. The main changes compared with the previous edition are as follows:

- the method of generating sulfur dioxide from reagents has been deleted because of the risk of exposure to toxic chemicals.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

A humid atmosphere containing sulfur dioxide induces corrosion of many metals.

The results obtained in this document should not be regarded as a direct guide to the corrosion resistance of the tested materials in all environments where these materials may be used. Similarly, performances of different materials in this document should not be taken as a direct guide to the relative corrosion resistance of these materials in service.

It is appropriate to test only the same corrosion protection systems at the same time in one test procedure, because an interaction between samples can't be prevented. When testing different corrosion protection systems with different materials, it should be taken into account that the influence of sulfur dioxide often can be different.

The term “fixed gas method” means that at the beginning of the test a fixed volume of gas is introduced into a cabinet of fixed volume.

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