SLOVENSKI STANDARD
SIST EN ISO 8044:2025

01-marec-2025

Korozija kovin in zlitin - Slovar (ISO 8044:2024)

Corrosion of metals and alloys - Vocabulary (ISO 8044:2024)

Korrosion von Metallen und Legierungen - Grundbegriffe (ISO 8044:2024)

Corrosion des métaux et alliages - Vocabulaire (ISO 8044:2024)

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Ta slovenski standard je istoveten z: **EN ISO 8044:2025**

ICS:

01.040.77	Metalurgija (Slovarji)	Metallurgy (Vocabularies)
77.060	Korozija kovin	Corrosion of metals

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 8044

January 2025

ICS 01.040.77; 77.060

Supersedes EN ISO 8044:2020

English Version

Corrosion of metals and alloys - Vocabulary (ISO 8044:2024)

Corrosion des métaux et alliages - Vocabulaire (ISO 8044:2024)

Korrosion von Metallen und Legierungen - Begriffe (ISO 8044:2024)

This European Standard was approved by CEN on 22 December 2024.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 8044:2025) 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of an identical text or by endorsement, at the latest by July 2025, and conflicting national standards shall be withdrawn at the latest by July 2025.

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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International Standard

ISO 8044

Corrosion of metals and alloys — Vocabulary

Corrosion des métaux et alliages — Vocabulaire

Sixth edition
2024-12

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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 document 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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This document was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This sixth edition cancels and replaces the fifth edition (ISO 8044:2020) which has been technically revised.

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The main changes are as follows:

— several definitions have been changed, including the definition of corrosion;

— several editorial changes were made, including the addition of cross-references to other terms within the definitions.

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.

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Introduction

The definitions in this document have been drawn up with the objective of achieving a proper balance between precision and simplicity. The main objective of this document is to provide definitions that can be understood to have the same meaning by all concerned. Some corrosion terms in present use have developed through common usage and are not always logical. It has not, therefore, been possible to define certain terms in the form they are used in some countries. Because of the occasional conflicts between tradition and logic, some definitions inevitably represent a compromise.

An example of this kind of conflict is the term “corrosion”. This has been used to mean the process, the results of the process and the damage caused by the process. In this document, corrosion is understood to mean the process. Any detectable result of corrosion in any part of a corrosion system is termed “corrosion effect”. The term “corrosion damage” covers any impairment of the function of the technical system of which the metal and the environment form a part. Consequently, the term “corrosion protection” implies that the important thing is to avoid corrosion damage rather than to prevent corrosion, which in many cases is impossible and sometimes not necessary.

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