

# Korózia kovov a zliatin Klasifikácia korozívnosti vnútorných priestorov s nízkou koróznou agresivitou Časť 3: Meranie parametrov prostredia ovplyvňujúcich koróznu agresivitu vnútorných priestorov (ISO 11844-3: 2020)

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Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity (ISO 11844-3:2020)

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/20

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### **English Version**

Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity (ISO 11844-3:2020)

Corrosion des métaux et alliages - Classification de la corrosivité faible des atmosphères d'intérieur - Partie 3: Mesurage des paramètres environnementaux affectant la corrosivité des atmosphères d'intérieur (ISO 11844-3:2020)

Korrosion von Metallen und Legierungen - Einteilung der Korrosivität in Räumen mit geringer Korrosivität -Teil 3: Messung der Umgebungsparameter, die Korrosivität in Räumen beeinflussen (ISO 11844-3:2020)

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### EN ISO 11844-3:2020 (E)

Contents	Page
European foreword	3

### **European foreword**

This document (EN ISO 11844-3:2020) 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of an identical text or by endorsement, at the latest by July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

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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#### **Endorsement notice**

The text of ISO 11844-3:2020 has been approved by CEN as EN ISO 11844-3:2020 without any modification.

# INTERNATIONAL STANDARD

ISO 11844-3

Second edition 2020-01

# Corrosion of metals and alloys — Classification of low corrosivity of indoor atmospheres —

### Part 3:

# Measurement of environmental parameters affecting indoor corrosivity

Corrosion des métaux et alliages — Classification de la corrosivité faible des atmosphères d'intérieur —

Partie 3: Mesurage des paramètres environnementaux affectant la corrosivité des atmosphères d'intérieur



ISO 11844-3:2020(E)



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Contents		Page	
Fore	eword		iv
Introduction			<b>v</b>
1	Scon	e	1
2	•	native references	
3		ns and definitions	
4	Prin	ciple	1
5	Envi	ronmental parameters	1
6	Hum	idity and temperature parameters	2
	6.1	Relative humidity	
	6.2	Temperature	
	6.3	Temperature-humidity complex	2
7	Airborne gas contaminants		2
	7.1 Principle		2
	7.2	Placing of measuring equipment	
		7.2.1 General	
		7.2.2 Continuous gas-measuring instruments	3
		7.2.3 Active sampler	
		7.2.4 Passive sampler	
	7.3	7.2.5 Gas-deposition equipment	
	7.3	7.3.1 Continuous measurement	
		7.3.2 Measurement and calculation with the active sampler	
		7.3.3 Measurement and calculation with the passive sampler	
		7.3.4 Measurement and calculation of deposition rate of gas pollution	5
8	Airborne particle contaminants		6
	8.1	Principle	
	8.2	Volumetric measurements	6
	8.3	Measurement of particle deposits	6
9	Dry deposition velocity and measurements of air flow		7
Ann	ex A (in	formative) Reagents used for both passive and active samplers	8
Bibliography		10	

#### **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 <a href="www.iso.org/directives">www.iso.org/directives</a>).

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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 <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

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

This second edition cancels and replaces the first edition (ISO 11844-3:2006), which has been technically revised. The main changes compared with the previous edition are as follows:

- the normative references have been updated;
- a reference to ISO 16000 in Clause 5 has been added;
- the detection limits in 7.3.1 and 7.3.2 have been updated;
- a new Clause 9 has been added.

A list of all parts in the ISO 11844 series can be found on the ISO website.

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 <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.

### Introduction

This document deals with environmental parameters for the characterization of indoor atmospheres and methods of measurement.

The environmental parameters for the characterization of indoor atmospheres include more airborne contaminants than are normally used for the characterization of the outdoor environment.

Measurement of environmental parameters is a way of characterizing the corrosivity of the indoor atmosphere and will always be required if it is necessary to consider measures for reducing the corrosivity.

## Corrosion of metals and alloys — Classification of low corrosivity of indoor atmospheres —

### Part 3:

## Measurement of environmental parameters affecting indoor corrosivity

### 1 Scope

This document specifies methods for measuring the environmental parameters used to classify the corrosivity of indoor atmospheres on metals and alloys.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7708, Air quality — Particle size fraction definitions for health-related sampling

EN 12341, Ambient air — Standard gravimetric measurement method for the determination of the  $PM_{2.5}$  mass concentration of suspended particulate matter

koniec náhľadu – text ďalej pokračuje v platenej verzii STN