

**Corrosion of metals and alloys - Guidelines for  
selection of protection methods against  
atmospheric corrosion**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 11303:2008 sisaldab Euroopa standardi EN ISO 11303:2008 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 20.06.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 16.04.2008.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 11303:2008 consists of the English text of the European standard EN ISO 11303:2008.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 20.06.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 16.04.2008.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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ICS 77.060

Võtmesõnad:

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ICS 77.060

English Version

Corrosion of metals and alloys - Guidelines for selection of  
protection methods against atmospheric corrosion (ISO  
11303:2002)

Corrosion des métaux et alliages - Lignes directrices pour  
le choix des méthodes de protection contre la corrosion  
atmosphérique (ISO 11303:2002)

Korrosion von Metallen und Legierungen - Leitfaden zur  
Auswahl von Verfahren zum Schutz gegenüber  
atmosphärischer Korrosion (ISO 11303:2002)

This European Standard was approved by CEN on 21 March 2008.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

The text of ISO 11303:2002 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 11303:2008 by 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 October 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

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### Endorsement notice

The text of ISO 11303:2002 has been approved by CEN as a EN ISO 11303:2008 without any modification.

# Corrosion of metals and alloys — Guidelines for selection of protection methods against atmospheric corrosion

## 1 Scope

This International Standard gives guidance on the selection of methods of protection against atmospheric corrosion of metals and alloys. It is applicable for technical equipment and products made of structural metals and used under atmospheric conditions. In a rational selection of protection methods, the corrosivity of the atmospheric environments is one of the important factors. These guidelines use the atmospheric corrosivity classification defined in ISO 9223.

## 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 8044:1999, *Corrosion of metals and alloys — Basic terms and definitions*

ISO 9223:1992, *Corrosion of metals and alloys — Corrosivity of atmospheres — Classification*

ISO 9224:1992, *Corrosion of metals and alloys — Corrosivity of atmospheres — Guiding values for the corrosivity categories*

ISO 12944-2:1998, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 2: Classification of environments*

## 3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

### 3.1

#### **corrosion system**

system consisting of one or more metals and those parts of environment that influence corrosion

[ISO 8044]

### 3.2

#### **corrosion damage**

corrosion effect that causes impairment of the function of the metal, the environment or the technical system of which these form a part

[ISO 8044]

### 3.3

#### **corrosivity**

ability of an environment to cause corrosion of a metal in a given corrosion system

[ISO 8044]