

Anodizing of aluminium and its alloys - Rating system for the evaluation of pitting corrosion - Chart method

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 8993:2010 sisaldab Euroopa standardi EN ISO 8993:2010 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 30.09.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 01.08.2010.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 8993:2010 consists of the English text of the European standard EN ISO 8993:2010.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 30.09.2010 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 01.08.2010.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English Version

Anodizing of aluminium and its alloys - Rating system for the
evaluation of pitting corrosion - Chart method (ISO 8993:2010)

Anodisation de l'aluminium et de ses alliages - Système de
cotation de la corrosion par piqûres - Méthode reposant sur
des images-types (ISO 8993:2010)

Anodisieren von Aluminium und Aluminiumlegierungen -
Bewertungssystem für Lochkorrosion - Richtreihenmethode
(ISO 8993:2010)

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Foreword

This document (EN ISO 8993:2010) has been prepared by Technical Committee ISO/TC 79 "Light metals and their alloys" in collaboration with Technical Committee CEN/TC 132 "Aluminium and aluminium alloys" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by February 2011, and conflicting national standards shall be withdrawn at the latest by February 2011.

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Endorsement notice

The text of ISO 8993:2010 has been approved by CEN as a EN ISO 8993:2010 without any modification.

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Anodizing of aluminium and its alloys — Rating system for the evaluation of pitting corrosion — Chart method

1 Scope

This International Standard specifies a chart rating system based on standard charts that provides a means of defining levels of performance of anodic oxidation coatings on aluminium and its alloys that have been subjected to corrosion tests.

This rating system is applicable to pitting corrosion resulting from

- accelerated tests,
- exposure to corrosive environments, and
- practical service tests.

This International Standard takes into account only pitting corrosion resulting from penetration of the protective anodic oxidation coating.

NOTE ISO 8994^[3] describes a similar rating system based on defined grids.

2 Terms and definitions

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

2.1

significant surface

part of the article covered or to be covered by the coating, for which the coating is essential for serviceability and/or appearance

NOTE 1 Adapted from ISO 2064:1996^[1], definition 3.1.

NOTE 2 The edges of an article are not normally included in the significant surface.

2.2

corrosion pit

surface corrosion defect at which the anodic oxidation coating is penetrated

NOTE Discoloration or other surface defects which do not penetrate the anodic coating do not count as corrosion pits.