

Hardware for furniture - Test and evaluation methods  
for the corrosion resistance of furniture fittings

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 17737:2022 sisaldab Euroopa standardi EN 17737:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 17737:2022 consists of the English text of the European standard EN 17737:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 09.11.2022.	Date of Availability of the European standard is 09.11.2022.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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English Version

## Hardware for furniture - Test and evaluation methods for the corrosion resistance of furniture fittings

Quincaillerie d'ameublement - Méthodes d'essai et d'évaluation de la résistance à la corrosion des ferrures de meubles

Möbelbeschläge - Prüf- und Bewertungsverfahren für die Korrosionsbeständigkeit von Möbelbeschlägen

This European Standard was approved by CEN on 2 October 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 COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 17737:2022) has been prepared by Technical Committee CEN/TC 207 “Furniture”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by month May 2023.

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.

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.

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## 1 Scope

This document specifies test methods for the determination of corrosion resistance of furniture fittings as ready-to-use assemblies or their individual parts.

It applies to the optical assessment of surface changes for the following materials:

- metals and their alloys;
- metal coatings with anodic or cathodic properties;
- conversion coatings;
- anodic oxide layers;
- organic coatings on metallic materials.

This document does not include any requirements regarding the corrosion resistance of furniture fittings. These can be given in the product specifications.

## 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.

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227)*

EN ISO 6270-2, *Paints and varnishes — Determination of resistance to humidity — Part 2: Condensation (in-cabinet exposure with heated water reservoir) (ISO 6270-2)*

EN ISO 10289, *Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates — Rating of test specimens and manufactured articles subjected to corrosion tests (ISO 10289)*

## 3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

### 3.1

#### **$R_p$ value**

rating assigned to the strength of the coating to protect the base metal against corrosion

[SOURCE: ISO 10289:1999, 2.1, modified – The wording has been adapted]

### 3.2

#### **$R_A$ value**

rating, which specifies the degree of optical change of the protective coating and the evaluation of its appearance

[SOURCE: ISO 10289:1999, 2.3, modified – The wording has been adapted]