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Will supersede EN 15338:2007+A1:2010

English Version

Hardware for furniture - Strength and durability of extension elements and their components

Quincaillerie d'ameublement - Résistance mécanique et endurance des éléments extractibles et de leurs composants Möbelbeschläge - Festigkeit und Dauerhaltbarkeit von Auszügen und deren Komponenten

This draft European Standard is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee CEN/TC 207.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (FprEN 15338:2024) has been prepared by Technical Committee CEN/TC 207 "Furniture", the secretariat of which is held by UNI.

This document is currently submitted to the CEN Formal Vote.

This document will supersede EN 15338:2007+A1:2010.

FprEN 15338:2024 includes the following significant technical changes with respect to EN 15338:2007+A1:2010:

- updating of normative references;
- revision of 6.4 "Corrosion resistance";
- deletion of A.6 "Corrosion test".

Introduction

The aim of this document is to provide furniture manufacturers, designers and developers with comparable information regarding the performance of extension elements and drawers.

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1 Scope

This document specifies test methods and requirements for the strength and durability of all types of extension elements and their components for all fields of application, except table extensions.

The tests consist of the application of loads, forces and velocities simulating normal functional use, as well as misuse, that can reasonably be expected to occur.

With the exception of the corrosion test in 6.4, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes.

The strength and durability tests only relate to the extension elements and the parts used for the attachment, e.g. screws.

The strength and durability tests are carried out in a test frame with specified properties. The test results are only used as a guide to the performance of a piece of furniture.

The test results are only valid for the extension element tested.

Ageing and influences of heat and humidity are not included.

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 320, Particleboards and fibreboards - Determination of resistance to axial withdrawal of screws

EN 323, Wood-based panels - Determination of density

EN 17737, Hardware for furniture - Test and evaluation methods for the corrosion resistance of furniture fittings

EN ISO 6270-2, Paints and varnishes - Determination of resistance to humidity - Part 2: Condensation (incabinet 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 terminology 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

catch device

device which keeps or pulls an extension element in place, but does not require a second action in order to release it

EXAMPLE A magnetic catch or a self-closing or self-opening mechanism.