

Furniture - Strength, durability and safety - Requirements for non-domestic seating

Furniture - Strength, durability and safety -
Requirements for non-domestic seating

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15373:2007 sisaldab Euroopa standardi EN 15373:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15373:2007 consists of the English text of the European standard EN 15373:2007.</p> <p>This document is endorsed on 31.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: This European standard specifies requirements for the safety, strength and durability of all types of nondomestic seating for adults.</p>	<p>Scope: This European standard specifies requirements for the safety, strength and durability of all types of nondomestic seating for adults.</p>
--	--

ICS 97.140

Võtmesõnad:

ICS 97.140

English Version

Furniture - Strength, durability and safety - Requirements for non-domestic seating

Mobilier - Résistance, durabilité et sécurité - Exigences applicables aux sièges à usage non domestique

Möbel - Festigkeit, Dauerhaltbarkeit und Sicherheit - Anforderungen an Sitzmöbel für den Nicht-Wohnbereich

This European Standard was approved by CEN on 15 March 2007.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Test sequence	5
5 Safety requirements	5
5.1 General.....	5
5.2 Shear and squeeze points	5
5.2.1 Shear and squeeze points when setting up and folding	5
5.2.2 Shear and squeeze points under influence of powered mechanisms	5
5.2.3 Shear and squeeze points during use	5
5.3 Stability	6
5.3.1 General.....	6
5.3.2 Swivelling chairs	6
5.3.3 Non swivelling chairs	6
5.4 Rolling resistance of the unloaded chair	6
6 Strength and durability	7
6.1 General.....	7
6.2 Strength and durability requirements.....	9
7 Information for use	9
8 Test report	9
Annex A (normative) Tests for special types of seating and components	10
A.1 Vertical upwards static load on arm rests	10
A.1.1 Seating which may be moved when occupied	10
A.1.2 Stacking seating	10
A.2 Vertical load on back rests	10
A.3 Auxiliary writing surface static load test.....	10
A.4 Auxiliary writing surface fatigue test.....	11
A.5 Foot rail fatigue test.....	11
Annex B (informative) Additional tests	12
B.1 Drop test for stacking seating	12
B.2 Backward fall test	13
B.3 Drop test from the height of a table	13
Annex C (informative) Test Severity in Relation to Applications	15

Foreword

This document (EN 15373:2007) 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 October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This European standard specifies requirements for the safety, strength and durability of all types of non-domestic seating for adults.

It does not apply to ranked seating, office work chairs, office visitors chairs, chairs for educational institutions, outdoor seating and to links for linked seating for which European standards or drafts exist.

It does not include requirements for the durability of upholstery materials, castors, reclining and tilting mechanisms and seat height adjustment mechanisms.

The test requirements contained within this standard are based on use by persons weighing up to 110 kg.

It does not include requirements for resistance to ageing, degradation and flammability.

2 Normative references

The following referenced documents are indispensable for the application 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 1022:2005, *Domestic furniture – Seating – Determination of stability*

EN 1335-1:2000, *Office furniture – Office work chair – Part 1 : Dimensions – Determination of dimensions*

EN 1335-3:2000, *Office furniture – Office work chair – Part 3 : Safety test methods*

EN 1728:2000, *Domestic furniture - Seating - Test methods for the determination of strength and durability*

3 Terms and definitions

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

3.1

accessible parts

parts to which access can easily be gained by the user when the seating is in its intended configuration of use and for which the probability of unintentional user contact is high

3.2

parts accessible during setting up and folding

parts to which access can only be gained when setting up and folding the furniture

3.3

shear and squeeze points

shear and squeeze points exist if the distance between two accessible parts moving relative to each other can be less than 18 mm or more than 7 mm in any position during movement

3.4

castor type H

castors with rigid wheels, i.e. hard treads

NOTE 1 The wheel is of one colour over the entire surface

NOTE 2 These castors are suitable for carpeted floors.