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Institut luxembourgeois de la normalisation
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ILNAS-EN 16121:2013+A1:2017

Non-domestic storage furniture - Requirements for safety, strength, durability and stability

Meubles de rangement à usage collectif - Exigences pour la sécurité, la résistance, la durabilité et la stabilité

Behältnismöbel für den Nicht-Wohnbereich - Anforderungen an die Sicherheit, Festigkeit, Dauerhaltbarkeit und Standsicherheit



09/2017

National Foreword

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English Version

Non-domestic storage furniture - Requirements for safety, strength, durability and stability

Meubles de rangement à usage collectif - Exigences pour la sécurité, la résistance, la durabilité et la stabilité

Behältnismöbel für den Nicht-Wohnbereich - Anforderungen an die Sicherheit, Festigkeit, Dauerhaltbarkeit und Standsicherheit

This European Standard was approved by CEN on 29 June 2013 and includes Amendment 1 approved by CEN on 27 June 2017.

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European foreword

This document (EN 16121:2013+A1:2017) 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of an identical text or by endorsement, at the latest by March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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This document supersedes EN 16121:2013.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌A1⟩ ⟨A1▐.

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1 Scope

This European Standard specifies requirements for the safety, strength, durability and stability for all types of non-domestic storage furniture.

It does not apply to domestic storage, office storage, industrial storage, kitchen, catering equipment, retail storage 〚A1〛 *deleted text* 〚A1〛 and industrial storage lockers.

Requirements for strength and durability do not apply to the structure of the building for example the strength of wall hanging cabinets includes only the cabinets and the parts used for attachment. The wall and the wall attachments are not included.

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

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 71-1:2011, *Safety of toys — Part 1: Mechanical and physical properties*

EN 716-2:2008+A1:2013, *Furniture — Children's cots and folding cots for domestic use — Part 2: Test methods*

EN 12150-1:2000, *Glass in building — Thermally toughened soda lime silicate safety glass — Part 1: Definition and description*

EN 12600:2002, *Glass in building — Pendulum test - Impact test method and classification for flat glass*

EN 14072:2003, *Glass in furniture — Test methods*

EN 16122:2012, *Domestic and non-domestic storage furniture — Test methods for the determination of strength, durability and stability*

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 in its intended configuration of use and for which the probability of unintentional user contact is high

Note 1 to entry: This includes, but is not limited to:

— the exposed edges and corners of storage units to which the user has access when the doors, drawers and extension elements are closed,

— the corners and edges of handles.

3.2
parts accessible during setting up and folding
parts to which access can only be gained when setting up and folding the furniture

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3.3
shear and squeeze points
such points exist if the distance between two accessible parts moving relative to each other can be less than 25 mm or more than 8 mm in any position during movement

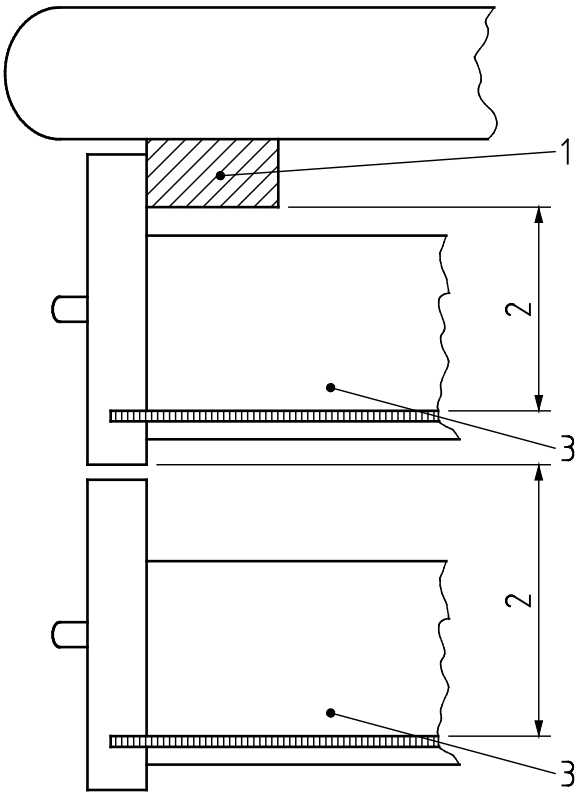
Note 1 to entry: For the definition of shear and squeeze points for furniture intended for use in schools and kindergartens, see A.2.2.

3.4
unit
complete item of furniture including the structure and all components such as drawers, doors and other storage features

3.5
total mass
mass (kg) of the unit, or component plus the load defined in Table 2

3.6
clear height
unobstructed height above the top of the bottom surface

Note 1 to entry: The top of the extension element bottom and the lower edge of the extension element above, or the structure of the unit (see Figure 1).



Key
1 structure of the unit
2 clear height *H*
3 extension element

Figure 1 — Clear height

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