Irish Standard
I.S. EN 13120:2009+A1:2014&NF&AC:2015

Internal blinds - Performance requirements including safety

I.S. EN 13120:2009+A1:2014&NF&AC:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 13120:2009+A1:2014/AC:2015 NF to EN 13120:2009+A1:2014

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:	*Published:*
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Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. 386:2012 Safety of corded window products – Guidance for procurement, measuring, manufacture, inspection and retrofitting and *I.S. 387:2012 Internal corded Window Products-Safety requirements* were published in 2012 following a number of deaths and injuries to young children in Ireland as a result of strangulation from corded window products.

At European level, the revision of *EN 13120:2009+A1, Internal blinds – Performance requirements including safety* was undertaken to address safety aspects and requirements for safety systems. Irish experts actively participated in this work.

The result of the European work on corded window products was the revision of EN 13120 and the development of 2 further standards.

These, published in 2014 by CEN are:

EN 16433:2014 Internal blinds – Protection from strangulation hazards – Test methods

EN 16434:2014 Internal blinds – Protection from strangulation hazards – Requirements and test methods for safety devices

EN 13120:2009+A1:2014 Internal blinds – Performance requirements including safety

I.S 386 and I.S. 387 were developed and published while the European Standards were being developed with the intention to withdraw them when the European Standards were published.

It should be noted that the scope of both I.S. 386 and I.S. 387 included "draperies" and safety requirements for draperies. Although EN 13120:2009+A1:2014 excludes "draperies", it should be noted that many safety systems used in corded window products set out in EN 13120 are the same as those used for draperies.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13120:2009+A1:2014/AC

February 2015
Février 2015
Februar 2015

ICS 91.060.50

English version
Version Française
Deutsche Fassung

Internal blinds - Performance requirements including safety

Stores intérieurs - Exigences de performance, y compris la sécurité

Abschlüsse innen - Leistungs- und Sicherheitsanforderungen

This corrigendum becomes effective on 4 February 2015 for incorporation in the official English version of the EN.

Ce corrigendum prendra effet le 4 février 2015 pour incorporation dans la version anglaise officielle de la EN.

Die Berichtigung tritt am 4. Februar 2015 zur Einarbeitung in die offizielle Englische Fassung der EN in Kraft.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No.:EN 13120:2009+A1:2014/AC:2015 E

1 Modification to 12.3.3.3, Table 6

Replace Table 6,

"Table 6 — Venetian internal blind — Maximum bow of slats

Length of slats m	**Maximum bow of slats** mm
L = 1,5	5
1,5 < L = 2,5	10
2,5 < L = 3,5	15
L > 3,5	20

"

with the following:

"Table 6 — Venetian internal blind — Maximum bow of slats

Length of slats m	**Maximum bow of slats** mm
L ≤ 1,5	5
1,5 < L ≤ 2,5	10
2,5 < L ≤ 3,5	15
L > 3,5	20

"

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13120:2009+A1

February 2014

ICS 91.060.50

Supersedes EN 13120:2009

English Version

Internal blinds - Performance requirements including safety

Stores intérieurs - Exigences de performance, y compris la sécurité

Abschlüsse innen - Leistungs- und Sicherheitsanforderungen

This European Standard was approved by CEN on 22 November 2008 and includes Amendment 1 approved by CEN on 27 December 2013.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Foreword

This European Standard (EN 13120:2009+A1:2014) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, 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 August 2014, and conflicting national standards shall be withdrawn at the latest by August 2014.

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.

This document supersedes ⟦A1⟩ EN 13120:2009. ⟨A1⟧

This document includes Amendment 1 approved by CEN on 27 December 2013.

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

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative ⟦A1⟩ Annex ZA, which is an integral part ⟨A1⟧ of this document.

This European Standard is part of a series of standards dealing with internal blinds and shutters for buildings as defined in EN 12216.

This European Standard specifies the requirements for internal blinds, the levels of performance and, where applicable, the associated classes.

It is completed by test standards as well as by the standards referring to specific performance requirements.

Annex A and C are informative. Annex B is normative.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

The performances given in this European Standard, which illustrate suitability for use, are required for internal blinds detailed in the scope (intrinsic performances).

Other performances are only required as a complement (specific performances) for specific products and are described in other European Standards. Some important specific performances relating to thermal and visual aspects are described in EN 14501. These standards state classifications and test methods for the following properties:

— for thermal comfort:

  — solar factor (see Clause 11 of the present standard);

  — secondary heat transfer factor;

  — direct solar transmittance;

— for visual comfort:

  — glare control;

  — night privacy;

  — visual contact with the outside;

  — opacity control;

  — daylight utilisation;

  — rendering of colours.

NOTE 1 Health and Safety regulations require that the workplace receives as much natural light as is reasonably practical (see EU Directive 89/654/EEC) and protection of operators working with VDU screens against glare and reflected light (see EU Directive 89/391/EEC).

NOTE 2 Reaction to fire of internal blinds is not covered by this standard. The performance of the products shall be evaluated according to the relevant standards (e.g. EN 13772). Minimal performance may be required by national regulations.

A list of these documents is given in the Bibliography.

This European Standard is a type C standard as stated in EN ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

With the aim of clarifying the intentions of the standard and avoiding doubts on reading, the following assumptions were made related to power operated products:

— negotiations occur between the manufacturer and the purchaser concerning particular conditions for use and places for use such as nursery schools or buildings for disabled people which need specific risk analysis;

— the risk analysis carried out in this European Standard and the significant hazards listed in Annex B presume a normal use or normally predictable use e.g. which excludes deliberate and conscious risks taken by the user (see Interpretative Document “Safety in use” of EU Construction Products Directive).

1 Scope

[A1] This European Standard specifies the requirements which internal blinds shall fulfil when fitted to a building. It deals also with the significant machinery hazards relating to construction, transport, installation, operation and maintenance of internal blinds (see list of significant hazards in Annex B).

It applies to internal blinds, whatever their design and the nature of the materials used, as listed below:

— venetian blind: free hanging, guided, non-retractable;

— roller blind: free hanging, side guided, with tensioned fabric;

— vertical blind: free hanging, with top and bottom track, sloping headrail;

— pleated and honeycomb blind: free hanging, guided, laterally moving, tensioned;

— Roman Shades;

— Austrian / Festoon blinds;

— panel blinds;

— plantation shutters;

— roll-up blinds.

These products may be operated manually, with or without compensating springs, or by means of electric motors (power operated products).

This standard does not apply to draperies and insect screens. It does not apply to blinds in sealed glazed units with the exception of requirements related to protection from strangulation.

NOTE Insect screens may be installed either internally or externally. However, because they are always exposed to external conditions in use (windows/doors opened), insects screens are covered by EN 13561 applying to external blinds and awnings.

Noise aspects are not treated in this standard because this is not considered a safety issue.

This standard is not applicable to internal blinds which are manufactured before the date of publication of this standard. [A1]

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 1050:1996, *Safety of machinery — Principles for risk assessment*

EN 1070:1998, *Safety of machinery — Terminology*

EN 1670, *Building hardware - Corrosion resistance - Requirements and test methods*

EN 12045, *Shutters and blinds power operated - Safety in use - Measurement of the transmitted force*

EN 12194, *Shutters, external and internal blinds - Misuse - Test methods*