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I.S. EN 14434:2010

Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods

I.S. EN 14434:2010

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Údarás um Chaighdeáin Náisiúnta na hÉireann

English Version

Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods

Tableaux pour établissements d'enseignement - Exigences
ergonomiques, techniques et de sécurité et méthodes
d'essai correspondantes

Wandtafeln für Bildungseinrichtungen - Ergonomische,
technische und sicherheitstechnische Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 12 December 2009.

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Foreword

This document (EN 14434:2010) 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of an identical text or by endorsement, at the latest by July 2010, and conflicting national standards shall be withdrawn at the latest by July 2010.

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 EN 14434:2004.

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, Croatia, 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 the United Kingdom.

1 Scope

This European Standard specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc.

It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur.

This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included.

Requirements concerning electrical safety are not included.

Annex A (normative) includes an assessment scale for the ability to write and erase.

Annex B (informative) includes terminology for display writing boards.

Annex C (informative) includes significant technical differences between this document and EN 14434:2004.

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 438-2:2005, *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (usually called Laminates) — Part 2: Determination of properties*

EN 1023-3, *Office furniture — Screens — Part 3: Test methods*

3 Terms and definitions

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

3.1

board attachment

element by which the board is attached to the rail

NOTE See Annex B, Figure B.20.

3.2

chalkboard

writing board with a writing surface to be used for chalk

3.3

fixed board

board or assembly of boards fixed by various means

NOTE See Annex B, Figures B.1, B.2, B.3 and B.4.

3.4

fixing element

joint by which the rail is mounted to the wall

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