

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

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their test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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| Käesolev Eesti standard EVS-EN 14434:2005 sisaldab Euroopa standardi EN 14434:2004 ingliskeelset teksti. | This Estonian standard EVS-EN 14434:2005 consists of the English text of the European standard EN 14434:2004. |
| Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. | This document is endorsed on 25.01.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. |
| Standard on kättesaadav Eesti standardiorganisatsioonist. | The standard is available from Estonian standardisation organisation. |

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| Käsitlusala: This document 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. | Scope: This document 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. |
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ICS 03.180, 13.180, 97.140

Võtmesõnad: area, human factors engineering, instructions, safety req, school buildings, school furniture, schools, sheet wall coverings, sheets, specification (approval), specifications, stability, suitability, surfaces, testing, testing devices, wall coverings, writing boards

ICS 03.180; 13.180; 97.140

English version

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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 15 November 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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Foreword

This document (EN 14434:2004) 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 June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

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

1 Scope

This document 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.

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 438-2:1991, *Decorative high-pressure laminates (HPL) – Sheets based on thermosetting resins – Part 2: Determination of properties (ISO 4586-2:1988, modified)*

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 (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 (see Annex B, Figures B.2, B.3 and B.4)

3.4

fixing element

joint by which the rail is mounted to the wall