

KEMIKAALIDE EEST KAITSVAD JALATSID. OSA 2:
NÕUDED LÜHIAJALISEKS KOKKUPUUTEKS
KEMIKAALIDEGA

Footwear protecting against chemicals - Part 2:
Requirements for limited contact with chemicals

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|---|--|
| See Eesti standard EVS-EN 13832-2:2018 sisaldab Euroopa standardi EN 13832-2:2018 ingliskeelset teksti. | This Estonian standard EVS-EN 13832-2:2018 consists of the English text of the European standard EN 13832-2:2018. |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 28.11.2018. | Date of Availability of the European standard is 28.11.2018. |
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EUROPEAN STANDARD

EN 13832-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Footwear protecting against chemicals - Part 2: Requirements for limited contact with chemicals

Chaussure protégeant contre les produits chimiques -
Partie 2 : Exigences pour les contacts limités avec les
produits chimiques

Schuhe zum Schutz gegen Chemikalien - Teil 2:
Anforderungen für begrenzten Kontakt mit
Chemikalien

This European Standard was approved by CEN on 27 May 2018.

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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.

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

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European foreword

This document (EN 13832-2:2018) has been prepared by Technical Committee CEN/TC 161 “Foot and leg protectors”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by May 2019, and conflicting national standards shall be withdrawn at the latest by May 2019.

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

This document supersedes EN 13832-2:2006.

This document supports essential requirements of EU Regulation(s).

For relationship with EU Regulation 2016/425, see informative Annex ZA, which is an integral part of this document.

EN 13832, *Footwear protecting against chemicals*, is published in three parts:

- Part 1: *Terminology and test methods*
- Part 2: *Requirements for limited contact with chemicals*
- Part 3: *Requirements for prolonged contact with chemicals*

This standard is intended for use in conjunction with EN ISO 20345, EN ISO 20346 and EN ISO 20347.

Overview of major technical changes compared to the previous edition:

- Reference to regulation 2016/425 instead of Directive 89/686
- New splashing test
- Reference to the new permeation standard EN 16523-1
- Figure 6 for damages assessment
- New requirements with 2 types (U and US)
- Table 7, change in the marking
- Slip resistance annex

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies requirements for footwear to protect the user against limited contact in time with specific chemicals.

The following risks are covered: splashing and degradation by chemical.

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 ISO 868:2003, *Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868:2003)*

ISO 7000:2014, *Graphical symbols for use on equipment — Registered symbols*

EN 13832-1:2018, *Footwear protecting against chemicals - Part 1: Terminology and test methods*

EN 13832-3:2018, *Footwear protecting against chemicals - Part 3: Requirements for prolonged contact with chemicals*

EN ISO 20344:2011, *Personal protective equipment - Test methods for footwear (ISO 20344:2011)*

EN ISO 20345:2011, *Personal protective equipment - Safety footwear (ISO 20345:2011)*

EN ISO 20346:2014, *Personal protective equipment - Protective footwear (ISO 20346:2014)*

EN ISO 20347:2012, *Personal protective equipment - Occupational footwear (ISO 20347:2012)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13832-1, EN ISO 20345 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 footwear for limited contact with chemicals Type U

footwear designed and manufactured to protect the wearer from splashing of chemicals on the upper. The upper contact can be intermittent, not exceeding one hour.

3.2 footwear for limited contact with chemicals Type US

footwear designed and manufactured to protect the wearer from splashing of chemicals on the upper and contact with the outsole. The upper and outsole contact can be continuous or intermittent, not exceeding one hour.