

KEMIKAALIDE EEST KAITSVAD JALATSID. OSA 3:  
NÕUDED PIKAAJALISEKS KOKKUPUUTEKS  
KEMIKAALIDEGA

Footwear protecting against chemicals - Part 3:  
Requirements for prolonged contact with chemicals

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|   |  |
|---|--|
| See Eesti standard EVS-EN 13832-3:2018 sisaldab Euroopa standardi EN 13832-3:2018 ingliskeelset teksti.             | This Estonian standard EVS-EN 13832-3:2018 consists of the English text of the European standard EN 13832-3:2018.                  |
| 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.   |
| Standard on kättesaadav Eesti Standardikeskusest.   | The standard is available from the Estonian Centre for Standardisation.  |

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 13.340.50

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EUROPEAN STANDARD

**EN 13832-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2018

ICS 13.340.50

Supersedes EN 13832-3:2006

English Version

## Footwear protecting against chemicals - Part 3: Requirements for prolonged contact with chemicals

Chaussure protégeant contre les produits chimiques -  
Partie 3 : Exigences pour les contacts prolongés avec  
les produits chimiques

Schuhe zum Schutz gegen Chemikalien - Teil 3:  
Anforderungen für anhaltenden Kontakt mit  
Chemikalien

This European Standard was approved by CEN on 28 May 2018.

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, Serbia, 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: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 13832-3:2018) 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 will supersede EN 13832-3:2006.

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 5 for damages assessment
- Table 7, change in the marking
- Slip resistance annex

This document 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 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.

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 intended to protect the wearer from a prolonged continuous contact (more than 1 hour) with specific chemicals.

Degradation and permeation by chemicals are addressed in this standard. Other requirements are covered by reference to EN ISO 20345, 20346 or 20347 as appropriate.

## 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)*

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

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 13832-1:2018, EN ISO 20345:2011 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 prolonged contact with chemicals**

footwear intended to protect the wearer from continuous or intermittent contact with chemicals for more than one hour

## 4 Design

For footwear for prolonged contact with chemicals, only designs C, D or E in Figure 1 shall be used.