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Responsible committee: PH/1 Safety, protective and occupational footwear

Interested committees:

Title: Draft BS EN 13832-3 Footwear protecting against chemicals. Part 3: Requirements for prolonged contact with chemicals.

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Introduction

This draft standard is based on European discussions in which the UK has taken an active part. Your comments on this draft are welcome and will assist in the preparation of the consequent British Standard. Comment is particularly welcome on national, legislative or similar deviations that may be necessary.

Even if this draft standard is not approved by the UK, if it receives the necessary support in Europe, the UK will be obliged to publish the official English Language text unchanged as a British Standard and to withdraw any conflicting standard.

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Please indicate whether you consider the UK should submit a negative (with reasons) or positive vote on this draft.

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- All comments must be submitted, preferably electronically, to the Responsible Committee Secretary at the address given on the front cover. Comments should be compatible with version 6.0 or version 97 of Microsoft Word for Windows, if possible; otherwise comments in ASCII text format are acceptable. **Any comments not submitted electronically should still adhere to these format requirements.**
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 161.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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

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European foreword

This document (prEN 13832-3:2017) has been prepared by Technical Committee CEN/TC 161 “Foot and leg protectors”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13832-3:2006.

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 Directive(s), see informative Annex ZA, which is an integral part of this document.

prEN 13832:2017, *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 20345:2011, EN ISO 20346:2014 and EN ISO 20347:2012.

1 Scope

This European Standard specifies requirements for footwear constructed to be resistant to prolonged contact with specific chemicals.

The following risks are covered, degradation by chemical and permeation of chemicals.

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 – Index and synopsis*

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

prEN 13832-1:2017, *Footwear protecting against chemicals - Part 1: Terminology and test methods*

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)

EN 50321:1999, *Electrically insulating footwear for working on low voltage installations*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in prEN 13832-1:2017, EN ISO 20345:2011 and the following apply.

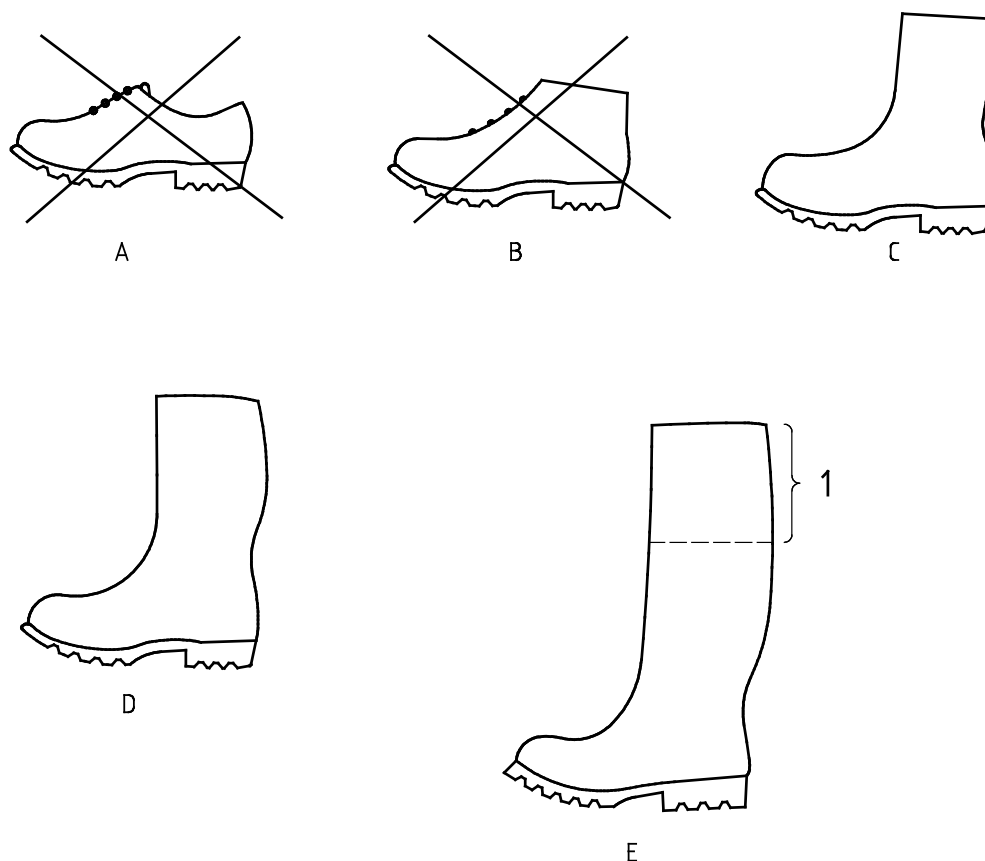
3.1

footwear for prolonged contact with chemicals

footwear designed and manufactured to protect the wearer from contact with chemicals. The contact can be continuous or intermittent. Prolonged means that it can be more than one hour in permanent contact

4 Design

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



Key

1 Variable extension that can be adapted to the wearer

A Low shoe

B Ankle boot

C Half knee boot

D Knee height boot

E Thigh boot

NOTE Design E is a knee-height boot (design D) equipped with a thin impermeable material that extends the upper and that can be cut to adapt the boot to the wearer.

Figure 1 — Designs of footwear

5 Classification

Footwear for prolonged contact with chemicals shall be classified in accordance with Table 1.

Table 1 — Classification of footwear

Classification	Description
II	All-rubber (i.e. entirely vulcanised) and all-polymeric footwear (i.e. entirely moulded) footwear