ISO 20346:2021/PRF Amd-1:2023(E

ISO-/TC-94/SC-3

Secretariat: BSI

Date: 2023-11-20xx

Personal protective equipment - Protective footwear -**Amendment** 

## **AMENDMENT** 1

Équipement de protection individuelle — Chaussures de protection Standards AMENDEMENT 1

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <a href="www.iso.org/directives">www.iso.org/directives</a>).

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This document was prepared by Technical Committee ISO/TC 94, Personal Safety – Personal protective equipment, Subcommittee SC 3, Foot preotection, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 161, Foot and leg protectors, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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### ISO 20346:2021/Amd.1:2023(E)

## Personal protective equipment—— Protective footwear— Amendment

## **AMENDMENT 1**

Clause 2 Normative references

Update the reference—to "ISO,20344;2021" with "ISO,20344;2021+Amd. 1:2023" and update the references throughout the document accordingly.

### Clause 2 Normative references

Change the title of EN 13832-3:2018 to read as follows:

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

#### 5.1, Table 2

In the section "Upper", add an "X" in the last two cells of the the row "Tear strength" to read as follows:

Tear strength 5.4.3 X X	Х	X
-------------------------	---	---

In the section "Upper", add an "X" in the last two cells of the the row "Water vapour permeability and coefficient", to read as follows:

Water vapour permeability	5.4.6	X		X	X
and coefficient		IC	0 20346	2021/DDF A	md 1

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## 5.3.2.5

Replace the subclause with the following:

"When non-metallic toecaps are tested according to ISO 20344;2021+Amd. 1:2023, 5.6.2 at an impact energy of  $(100 \pm 2)$  J, the clearance under the toecap, at the moment of impact, shall not be less than the appropriate value given in ISO 22568-2:2019, Table 3. In addition, the non-metallic toecap shall not develop sharp edges or any cracks passing through the material (i.e. through which light can be seen). During the assessment of the non-metallic toecap designed with perforations the criteria whether light can be seen shall not be applied to the perforation."

## 5.3.2.6, 2<sup>nd</sup> sentence

Delete the words "delamination or" to read as follows:

"In addition, the toecap shall not develop any cracks, which go through the material, i.e. through which light can be seen."

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5.3.3

Replace the subclause with the following:

which light can be seen."

Delete the words "delamination or" to read as follows:

"When tested in accordance with ISO 20344;2021+Amd. 1:2023, 5.7 there shall be no leakage of air. For design A of class II footwear, this requirement is not applicable."

"In addition, the toecap shall not develop any cracks, which go through the material, i.e. through

5.3.6, 3<sup>rd</sup> parapgraph

5.3.2.7, 2nd sentence

Replace the paragraph with the following:

"For each leather part tested in accordance with ISO 20344;2021+Amd. 1:2023, 6.11, the chromium VI content shall be less than 3,0 mg/kg.

5.4.1.1, 2nd sentence

Add the wording, except for water vapour permeability and water vapour coefficient (see 5.4.6)." to the end of the sentence, to read as follows:

"Any materials in the upper below the height defined in Table 8 shall meet the requirements of the upper (see Table 2), except for water vapour permeability (WVP) and water vapour coefficient (WVC) (see 5.4.6)."

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5.4.1.2

Replace the text above Figure 6 with the following:

 $\hbox{``Hybrid footwear (3.19) consists of two classes of materials: foot section, Area\,A, class\,II\,material\,and}\\$ extended section, area B, class I material.

The Area A, shall be measured as H, between the lowest point of the top of the visible polymer (or rubber) part and the ground (see Figure 6) and shall have a minimum height corresponding to the values given in Table 8 for design B. All material extensions above belong to area B.

All materials shall meet the requirements of the upper depending on the class of material (see Table 2)."

5.4.6

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Replace the subclause with the following:

"Footwear shall comply with one of the following criteria's:

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