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## **Personal protective equipment — Occupational footwear**

### **AMENDMENT 1**

*Équipement de protection individuelle — Chaussures de travail*  
*AMENDEMENT 1*



Reference number  
ISO 20347:2004/Amd.1:2007(E)

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## Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

Amendment 1 to ISO 20347:2004 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 161, *Foot and leg protectors*, in collaboration with Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 3, *Foot protection*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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# Personal protective equipment — Occupational footwear

## AMENDMENT 1

Page 1, Clause 2

Add the following normative reference:

“ISO 20344:2004/Amd1:2007, *Personal protective equipment — Test methods for footwear — Amendment 1*”

Page 9, Table 2

Insert the following rows immediately beneath the row “Specific ergonomic features” in the section “Whole footwear”:

Requirement		Clause	Classification	
			I	II
Whole footwear	Slip resistance	Annex A		
	Slip resistance on ceramic tile floor with SLS ▲ <sup>a</sup>	Clause A.2		
	Slip resistance on steel floor with glycerol ▲ <sup>b</sup>	Clause A.3	x	x
	Slip resistance on ceramic tile floor with SLS and on steel floor with glycerol ▲ <sup>c</sup>	Clause A.4		

Insert the following into the Note to Table 2:

▲ means that it is obligatory that one of the three slip resistance requirements shall be chosen.

Add the following footnotes immediately after the Note at the end of Table 2:

- <sup>a</sup> Marking symbol “SRA”.  
<sup>b</sup> Marking symbol “SRB”.  
<sup>c</sup> Marking symbol “SRC”.

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Insert the following subclause immediately after 5.3.3:

**“ 5.3.4 Slip resistance requirement**

Requirements related to slip resistance are specified in Annex A.”

Page 21, Clause 7

In the numbered list, replace bullet f) with the following:

- “f) the symbol(s) from Table 2, including the amendment as described in ISO 20344:2004/Amd1:2007, and Table 12 appropriate to the protection provided or, where applicable, the appropriate category (OB, O1, ... O5), as described in Table 13.”

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## Annex A (normative)

### Slip resistance requirement

#### A.1 General

Occupational footwear shall comply with one of the following clauses: A.2 or A.3 or A.4.

The requirements are applicable to conventionally soled safety, protective and occupational footwear. They are not applicable to special purpose footwear containing spikes, metal studs or similar or to special purpose occupational footwear to be used on soft ground (sand, sludge, etc.).

#### A.2 Slip resistance on ceramic tile floor with sodium lauryl sulphate (SLS) solution

Footwear resistant to slip on ceramic tile floor with SLS shall fulfil the requirements of Table A.1.

**Table A.1 — Requirements for footwear resistant to slip on ceramic tile floor with SLS**

Test conditions of ISO 20344:2004/Amd1:2007, Clause A.1	Coefficient of friction
Condition A (forward heel slip)	Not less than 0,28
Condition B (forward flat slip)	Not less than 0,32

#### A.3 Slip resistance on steel floor with glycerol

Footwear resistant to slip on steel floor with glycerol shall fulfil the requirements of Table A.2.

**Table A.2 — Requirements for footwear resistant to slip on steel floor with glycerol**

Test conditions of ISO 20344:2004/Amd1:2007, Clause A.1	Coefficient of friction	
	Values to be applied up to and including 2008-12-31	Values to be applied on and after 2009-01-01
Condition C (forward heel slip)	Not less than 0,12	Not less than 0,13
Condition D (forward flat slip)	Not less than 0,16	Not less than 0,18

#### A.4 Slip resistance on ceramic tile floor with SLS and on steel floor with glycerol

Footwear resistant to slip on ceramic tile floor with SLS and on steel floor with glycerol shall fulfil the requirements of Table A.3.

**Table A.3 — Requirements for footwear resistant to slip on ceramic tile floor with SLS and on steel floor with glycerol**

Test conditions of ISO 20344:2004/Amd1:2007, Clause A.1	Coefficient of friction	
	Values to be applied up to and including 2008-12-31	Values to be applied on and after 2009-01-01
Condition A (forward heel slip)	Not less than 0,28	Not less than 0,28
Condition B (forward flat slip)	Not less than 0,32	Not less than 0,32
Condition C (forward heel slip)	Not less than 0,12	Not less than 0,13
Condition D (forward flat slip)	Not less than 0,16	Not less than 0,18