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NSAI Standards

Irish Standard
I.S. EN ISO 20347:2012

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

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie

W **NSAI.ie**

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 20347

February 2012

ICS 13.340.50

Supersedes EN ISO 20347:2004

English Version

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

Équipement de protection individuelle - Chaussures de travail (ISO 20347:2012)

Persönliche Schutzausrüstung - Berufsschuhe (ISO 20347:2012)

This European Standard was approved by CEN on 28 January 2012.

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Foreword

This document (EN ISO 20347:2012) has been prepared by Technical Committee CEN/TC 161 “Foot and leg protectors”, the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment".

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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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

This document supersedes EN ISO 20347:2004.

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.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Annex ZA
(informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 89/686/EEC.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

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Table ZA.1 — Correspondence between this European Standard and Directive 89/686/EEC

Clauses/sub-clauses of this European Standard	Essential requirements (ERs) of EU Directive 89/686/EEC	Qualifying remarks/Notes
	1. General requirements applicable to all PPE	
5.3.3	1.1.1 Ergonomics	
5.3.3	1.1.2.1 Highest level of protection possible	
	1.2 Innocuousness of PPE	
5.3.2; 5.4.8; 5.8.5; 6.2.1.2; 6.2.1.3; 6.2.5; 6.3	1.2.1 Absence of risks and other inherent nuisance factors	
5.4.7; 5.4.9; 5.5.4; 5.5.5; 5.6.2; 5.6.3; 5.7.2; 5.7.5	1.2.1.1 Suitable constituent materials	
5.3.3	1.2.1.2 Satisfactory surface condition of all PPE parts in contact with the user	
5.3.3	1.2.1.3 Maximum user impediment	
	1.3 Comfort and efficiency	
5.3.1.2; 5.4.3; 5.4.4; 5.4.5; 5.5.1; 5.5.2; 5.6.1; 5.7.4; 5.8.2; 5.8.3; 5.8.4; 5.8.6; 6.2.1.4; 6.2.1.5.1; 6.4.1; 6.4.2	1.3.2 Lightness and design strength	
8	1.4 Information supplied by the manufacturer	
5.4.6; 5.5.3	2.2 PPE enclosing the parts of the body to be protected	
6.2.2.1; 6.2.2.2	2.6 PPE for use in explosive atmospheres	
6.1; 7	2.12 PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety	
	3.1 Protection against mechanical impact	
6.2.4; 6.2.6	3.1.1 Impact caused by falling objects and collision of parts of the body with an obstacle	
5.3.4	3.1.2 Prevention of falls due to slipping	
6.2.1.1; 6.2.1.5.2; 6.2.7	3.3 Protection against physical injury (abrasion, perforation, cuts, bites)	
6.2.3.1	3.6 Protection against heat and/or fire	
6.2.3.2	3.7 Protection against cold	
6.2.2.3	3.8 Protection against electric shock	

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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INTERNATIONAL STANDARD

ISO 20347

Second edition
2012-02-01

Personal protective equipment — Occupational footwear

Équipement de protection individuelle — Chaussures de travail

Reference number
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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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.

ISO 20347 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).

This second edition cancels and replaces the first edition (ISO 20347:2004), which has been technically revised. It also incorporates the Amendment ISO 20347:2004/Amd.1:2007 and the Technical Corrigenda ISO 20347:2004/Cor.1:2005 and ISO 20347:2004/Cor.2:2006.

The differences between the first edition and this second edition are as follows.

— Slip resistance has been moved from Annex A into the main body of the text (5.3.4).

— The requirements for seat region (5.2.3) have been made more specific.

— Innocuousness (5.3.5) has been added.

— The requirement for chromium VI content has been exactly specified.

— The requirement for abrasion resistance of seat region lining has been included.

— The requirements for penetration resistance have been aligned with EN 12568.

— A new kind of footwear “Hybrid Footwear” has been included (Annex A).

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