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Third edition
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Personal protective equipment — Test methods for footwear

Équipement de protection individuelle — Méthodes d'essai pour les chaussures



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Contents

	Page
Foreword	viii
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 General testing parameters	2
4.1 Sampling.....	2
4.2 Conditioning before and during the test.....	3
4.3 Prerequisites on the testing procedure.....	3
4.4 Test report.....	3
5 Test methods for whole footwear	6
5.1 Specific ergonomic features.....	6
5.1.1 Sampling and conditioning.....	6
5.1.2 Test method.....	7
5.1.3 Test report.....	7
5.2 Determination of upper/outsole and sole interlayer bond strength.....	8
5.2.1 Principle.....	8
5.2.2 Test equipment.....	8
5.2.3 Sampling and conditioning.....	8
5.2.4 Test method.....	8
5.2.5 Test report.....	12
5.3 Determination of dimensions of toecap.....	12
5.3.1 Sampling and conditioning.....	12
5.3.2 Test method.....	12
5.3.3 Test report.....	12
5.4 Determination of impact resistance.....	12
5.4.1 Test equipment.....	12
5.4.2 Sampling and conditioning.....	16
5.4.3 Test methods.....	16
5.4.4 Test report.....	18
5.5 Determination of compression resistance.....	18
5.5.1 Test equipment.....	18
5.5.2 Sampling and conditioning.....	18
5.5.3 Test method.....	18
5.5.4 Test report.....	19
5.6 Behaviour of toecaps (thermal and chemical).....	20
5.6.1 Sampling and conditioning.....	20
5.6.2 Behaviour of toecaps (thermal and chemical).....	20
5.7 Determination of leak proofness.....	21
5.7.1 Test equipment.....	21
5.7.2 Sampling and conditioning.....	21
5.7.3 Test method.....	21
5.7.4 Test report.....	21
5.8 Dimensions of perforation resistant inserts.....	21
5.8.1 Sampling and conditioning.....	21
5.8.2 Test method.....	22
5.8.3 Test report.....	22
5.9 Determination of the perforation resistance of footwear with a metallic perforation resistant insert.....	23
5.9.1 Test equipment.....	23
5.9.2 Sampling and conditioning.....	23
5.9.3 Test method.....	24
5.9.4 Test report.....	24

This is a preview of "ISO 20344:2021". [Click here to purchase the full version from the ANSI store.](#)

5.10	Determination of the perforation resistance of footwear with a non-metallic perforation resistant insert.....	24
	5.10.1 General.....	24
	5.10.2 Test equipment.....	24
	5.10.3 Sampling and conditioning.....	24
	5.10.4 Test method.....	25
	5.10.5 Test report.....	27
5.11	Behaviour of perforation resistant inserts (thermal and chemical).....	28
	5.11.1 Sampling and conditioning.....	28
	5.11.2 Behaviour of perforation resistant inserts (thermal and chemical).....	29
	5.11.3 Test report.....	29
5.12	Determination of the flex resistance of perforation-resistant inserts.....	29
	5.12.1 Sampling and conditioning.....	29
	5.12.2 Test method.....	29
	5.12.3 Test report.....	29
5.13	Determination of electrical resistance.....	30
	5.13.1 Principle.....	30
	5.13.2 Test equipment.....	30
	5.13.3 Sampling and conditioning.....	30
	5.13.4 Test method.....	31
	5.13.5 Test report.....	31
5.14	Determination of footwear slip resistance.....	31
	5.14.1 Sampling and conditioning.....	31
	5.14.2 Test method.....	31
	5.14.3 Test report.....	32
5.15	Determination of insulation against heat.....	32
	5.15.1 Test equipment.....	32
	5.15.2 Sampling and conditioning.....	33
	5.15.3 Test method.....	33
	5.15.4 Test report.....	33
5.16	Determination of insulation against cold.....	34
	5.16.1 Test equipment.....	34
	5.16.2 Sampling and conditioning.....	34
	5.16.3 Test method.....	35
	5.16.4 Test report.....	36
5.17	Determination of energy absorption of the seat region.....	36
	5.17.1 Test equipment.....	36
	5.17.2 Sampling and conditioning.....	38
	5.17.3 Test method.....	38
	5.17.4 Test report.....	38
5.18	Determination of resistance to water for whole footwear: trough test.....	38
	5.18.1 Principle.....	38
	5.18.2 Test equipment.....	38
	5.18.3 Sampling and conditioning.....	39
	5.18.4 Test method.....	39
	5.18.5 Test report.....	40
5.19	Determination of resistance to water for whole footwear: dynamic test.....	40
	5.19.1 Principle.....	40
	5.19.2 Test equipment.....	40
	5.19.3 Sampling and conditioning.....	40
	5.19.4 Test method.....	40
	5.19.5 Test report.....	42
5.20	Determination of impact resistance of a metatarsal protection.....	42
	5.20.1 Test equipment.....	42
	5.20.2 Sampling and conditioning.....	45
	5.20.3 Test method.....	46
	5.20.4 Test report.....	47
5.21	Determination of the dimension of the ankle protection.....	47

This is a preview of "ISO 20344:2021". [Click here to purchase the full version from the ANSI store.](#)

5.21.1	Sampling and conditioning.....	47
5.21.2	Test method.....	47
5.21.3	Test report.....	48
5.22	Determination of the shock absorption capacity of ankle protection materials incorporated into the upper.....	48
5.22.1	Principle.....	48
5.22.2	Test equipment.....	49
5.22.3	Sampling and conditioning.....	50
5.22.4	Test method.....	50
5.22.5	Test report.....	50
5.23	Determination of cutting resistance.....	51
5.23.1	Sampling and conditioning.....	51
5.23.2	Dimension of the cut resistant protective area.....	51
5.23.3	Test method.....	52
5.23.4	Test report.....	52
5.24	Scuff caps.....	52
5.24.1	Sampling and conditioning.....	52
5.24.2	Test method for the abrasion resistance of the scuff caps.....	52
5.24.3	Test report.....	52
5.25	Determination of seam strength.....	53
5.25.1	Sampling and conditioning.....	53
5.25.2	Test method.....	53
5.25.3	Test report.....	53
6	Test methods for upper, lining and tongue.....	53
6.1	Determination of thickness of upper.....	53
6.1.1	Sampling and conditioning.....	53
6.1.2	Test method.....	53
6.1.3	Test report.....	53
6.2	Measurement of the height of the upper.....	53
6.2.1	Sampling and conditioning.....	53
6.2.2	Test method for the complete upper.....	54
6.2.3	Test method for the determination of the area for non-water vapour permeable materials.....	54
6.3	Determination of tear strength of the upper, lining and/or tongue.....	56
6.3.1	Sampling and conditioning.....	56
6.3.2	Test method.....	56
6.3.3	Test report.....	57
6.4	Determination of the tensile properties of the upper material.....	57
6.4.1	Sampling and conditioning.....	57
6.4.2	Test method.....	57
6.4.3	Test report.....	58
6.5	Determination of upper flexing resistance.....	58
6.5.1	Sampling and conditioning.....	58
6.5.2	Test method.....	58
6.5.3	Test report.....	61
6.6	Determination of water vapour permeability (WVP).....	61
6.6.1	Principle.....	61
6.6.2	Sampling and conditioning.....	61
6.6.3	Pre-treatment test method.....	61
6.6.4	WVP measurement.....	61
6.6.5	Test report.....	61
6.7	Determination of water vapour absorption (WVA).....	62
6.7.1	Principle.....	62
6.7.2	Test equipment.....	62
6.7.3	Sampling and conditioning.....	62
6.7.4	Test method.....	62
6.7.5	Test report.....	64
6.8	Determination of water vapour coefficient (WVC).....	64

6.8.1	Calculation of WVC.....	64
6.8.2	Test report.....	64
6.9	Determination of pH value.....	64
6.9.1	Sampling and conditioning.....	64
6.9.2	Test method.....	65
6.9.3	Test report.....	65
6.10	Determination of resistance to hydrolysis of upper.....	65
6.10.1	Sampling and conditioning.....	65
6.10.2	Test method.....	65
6.10.3	Test report.....	65
6.11	Determination of chromium VI content.....	65
6.11.1	Sampling and conditioning.....	65
6.11.2	Test method.....	65
6.11.3	Test report.....	66
6.12	Determination of abrasion resistance of lining and insock.....	66
6.12.1	Principle.....	66
6.12.2	Test equipment.....	66
6.12.3	Sampling and conditioning.....	67
6.12.4	Test method.....	67
6.12.5	Test report.....	68
6.13	Determination of water penetration and water absorption for upper.....	69
6.13.1	Principle.....	69
6.13.2	Test equipment.....	69
6.13.3	Sampling and conditioning.....	69
6.13.4	Test method.....	69
6.13.5	Test report.....	70
7	Test methods for insole, insock and footbed.....	71
7.1	Determination of insole, insock and footbed thickness.....	71
7.1.1	Sampling and conditioning.....	71
7.1.2	Test method.....	71
7.1.3	Test report.....	71
7.2	Determination of water absorption and desorption of insole and/or insock.....	71
7.2.1	Principle.....	71
7.2.2	Test equipment.....	71
7.2.3	Sampling and conditioning.....	72
7.2.4	Test method.....	72
7.2.5	Test report.....	73
7.3	Determination of abrasion resistance of insole.....	73
7.3.1	Principle.....	73
7.3.2	Test equipment.....	73
7.3.3	Sampling and conditioning.....	74
7.3.4	Test method.....	74
7.3.5	Test report.....	75
8	Test methods for outsole.....	75
8.1	General remarks.....	75
8.2	Determination of outsole dimensions.....	75
8.2.1	Sampling and conditioning.....	75
8.2.2	Determination of the cleated area.....	75
8.2.3	Outsole thickness and cleat height.....	76
8.2.4	Determination of cleat design in the waist area.....	78
8.3	Determination of tear strength of outsole.....	79
8.3.1	Sampling and conditioning.....	79
8.3.2	Test method.....	79
8.3.3	Test report.....	79
8.4	Determination of outsole abrasion resistance.....	79
8.4.1	Sampling and conditioning.....	79
8.4.2	Test method.....	79

This is a preview of "ISO 20344:2021". [Click here to purchase the full version from the ANSI store.](#)

	8.4.3	Test report.....	79
8.5		Determination of footwear rigidity.....	79
	8.5.1	Principle.....	79
	8.5.2	Test equipment.....	80
	8.5.3	Sampling and conditioning.....	80
	8.5.4	Test method.....	80
	8.5.5	Test report.....	82
8.6		Determination of flexing resistance of outsole.....	82
	8.6.1	Principle.....	82
	8.6.2	Test equipment.....	82
	8.6.3	Sampling and conditioning.....	82
	8.6.4	Test method.....	82
	8.6.5	Test report.....	84
8.7		Determination of resistance to hydrolysis of outsole.....	84
	8.7.1	Sampling and conditioning.....	84
	8.7.2	Test method.....	84
	8.7.3	Test report.....	84
8.8		Determination of resistance to fuel oil.....	84
	8.8.1	Sampling and conditioning.....	84
	8.8.2	Test methods.....	85
	8.8.3	Test report.....	85
8.9		Determination of resistance to hot contact.....	85
	8.9.1	Test equipment.....	85
	8.9.2	Sampling and conditioning.....	88
	8.9.3	Test methods.....	88
	8.9.4	Test report.....	89
Annex A (informative) Assessment of footwear by the laboratory during testing of thermal behaviour.....			90
Annex B (informative) Footwear sizes.....			93
Bibliography.....			94

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.

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 documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 94 *Personal safety – Personal protective equipment*, Subcommittee SC 3, *Footwear*.

This second edition cancels and replaces the first edition (ISO 20344:2011), which has been technically revised.

The main changes compared to the previous edition are as follows:

- for each test same organisation (1 principle 2 test equipment's 3 sampling and conditioning 4 test method 5 test report);
- systematic inclusion of a clause test report in all the test methods;
- changes in [Table 1](#), minimum number of samples and test pieces;
- several tests are not described anymore in this standard but in the corresponding standard, reference is made to specific standards (ISO 22649, ISO 11640, ISO 17707, etc...);
- all reference standards are dated in [Clause 2](#);
- new standards are taken into account (ISO 17075-1 and ISO 17075-2, ISO 22568-1 to ISO 22568-4);
- conditioning changed from 48 h to 24 h in [4.2](#);
- slip resistance, New test condition in [5.14](#);
- non-metallic perforation resistant insert, reference to the new ISO 22568-4 in [5.10](#);
- new drawing for impact test in [5.4](#);
- new detection of water resistance in [5.18.4](#);
- new detection of water resistance in [5.19.4](#);

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- clarification in the position and the dimension of the ankle protection in [5.21.2](#);
- new tests for scuff caps, in [5.24](#);
- new tests for seam strength in [5.25](#);
- determination of the area for non-water vapour permeable material in [6.2.3](#);
- new measurement of cleats height in the waist area in [8.2.4](#);
- new [Annex A](#) with new drawings of footwear degradations;
- new [Annex B](#) added with new system of sizing;

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.