

**Isikukaitsevahendid. Jalanõude
katsemeetodid**

Personal protective equipment - Test methods for
footwear

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 20344:2004 sisaldab Euroopa standardi EN ISO 20344:2004 +AC:2005 ingliskeelset teksti. Käesolev dokument on jõustatud 26.10.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 20344:2004 consists of the English text of the European standard EN ISO 20344:2004 +AC:2005. This document is endorsed on 26.10.2004 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This Standard specifies methods for testing footwear designed as personal protective equipment.	Scope: This Standard specifies methods for testing footwear designed as personal protective equipment.
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Võtmesõnad: footwe, occupational safety, properties, protective clothing, protective equipment, protective footwear, safety, safety requirements, shoes, specification (approval), specifications, test equipment, testing, tests, working clothings, working shoe, workplace safety

English version

Personal protective equipment
Test methods for footwear
(ISO 20344 : 2004)

Équipement de protection individuelle – Méthodes d'essai pour les chaussures (ISO 20344 : 2004)

Persönliche Schutzausrüstung – Prüfverfahren für Schuhe (ISO 20344 : 2004)

This European Standard was approved by CEN on 2004-01-02.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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CEN

European Committee for Standardization
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Contents

	Page
Foreword.....	5
1. Scope	6
2. Normative references	6
3. Terms and definitions	7
4. Sampling and conditioning.....	7
5. Test methods for whole footwear	9
5.1 Specific ergonomic features.....	9
5.2 Determination of upper/outsole and sole interlayer bond strength	10
5.2.1 Principle.....	10
5.2.2 Apparatus	10
5.2.3 Preparation of test pieces.....	11
5.2.4 Measurement of bond strength	13
5.2.5 Calculation and expression of results.....	14
5.3 Determination of internal toecap length.....	15
5.3.1 Preparation of test piece.....	15
5.3.2 Determination of the test axis	15
5.3.3 Test procedure	15
5.4 Determination of impact resistance.....	16
5.4.1 Apparatus	16
5.4.2 Procedure	17
5.5 Determination of compression resistance.....	20
5.5.1 Apparatus	20
5.5.2 Procedure	20
5.5.3 Test procedure	21
5.6 Determination of corrosion resistance.....	21
5.6.1 Determination of corrosion resistance of metallic toecaps or penetration-resistant metallic inserts in classification II footwear	21
5.6.2 Determination of corrosion resistance of metallic toecaps in classification I footwear.....	22
5.6.3 Determination of the corrosion resistance of penetration-resistant metallic inserts in footwear other than all-rubber footwear.....	22
5.7 Determination of leakproofness	22
5.7.1 Apparatus	22
5.7.2 Preparation of test piece	22
5.7.3 Procedure	22
5.8 Determination of the dimensional conformity of inserts and the penetration resistance of the sole	22
5.8.1 Dimensional conformity of inserts.....	22
5.8.2 Determination of the penetration resistance of the sole	23
5.9 Determination of the flex resistance of penetration-resistant inserts	25
5.10 Determination of electrical resistance.....	25
5.10.1 Principle.....	25
5.10.2 Apparatus	25
5.10.3 Preparation for conditioning of test piece	25
5.10.4 Procedure	26
5.11 Determination of the electrical insulation	26
5.12 Determination of insulation against heat	26
5.12.1 Apparatus	26
5.12.2 Preparation of test piece	26
5.12.3 Test procedure	27
5.13 Determination of insulation against cold	27
5.13.1 Apparatus	27
5.13.2 Preparation of test piece	28
5.13.3 Test procedure	28

5.14 Determination of energy absorption of seat region	29
5.14.1 Apparatus	29
5.14.2 Procedure	30
5.15 Determination of resistance to water for whole footwear	31
5.15.1 Trough test	31
5.15.2 Machine method	32
5.15.2.1 Principle	32
5.15.2.2 Apparatus	32
5.16 Determination of impact resistance of metatarsal protective device	38
5.16.1 Apparatus	38
5.16.2 Preparation of test piece	41
5.16.3 Procedure	41
5.16.4 Test results	42
5.17 Determination of the shock absorption capacity of ankle protection materials incorporated into the upper	42
5.17.1 Principle	42
5.17.2 Apparatus	43
5.17.2.5 Templates	44
5.17.2.6 Sampling	44
5.17.3 Preparation of test pieces	45
5.17.4 Conditioning	45
5.17.5 Procedure	45
5.17.6 Test report	45
6. Test methods for upper, lining and tongue	46
6.1 Determination of thickness of upper	46
6.2 Measurement of the height of the upper	46
6.2.1 Preparation of test piece	46
6.2.2 Measurement	46
6.3 Determination of tear strength of upper, lining and/or tongue	46
6.4 Determination of the tensile properties of upper material	47
6.5 Determination of upper flexing resistance	47
6.6 Determination of water vapour permeability	47
6.6.1 Principle	47
6.6.2 Apparatus	47
6.6.3 Preparation of test piece	50
6.6.4 Test procedure	51
6.6.5 Calculation and expression of results	52
6.7 Determination of water vapour absorption	52
6.7.1 Principle	52
6.7.2 Apparatus	52
6.7.3 Preparation of test piece	53
6.7.4 Test procedure	53
6.7.5 Calculation and expression of results	54
6.8 Determination of water vapour coefficient	54
6.9 Determination of pH value	54
6.10 Determination of resistance to hydrolysis of upper	54
6.11 Determination of chromium VI content	54
6.11.1 Principle	54
6.11.2 Chemicals	55
6.11.3 Apparatus	55
6.11.4 Procedure	56
6.11.5 Determination of the recovery rate	57
6.11.6 Calculation and expression of results	58
6.11.7. Test report	59
6.12 Determination of abrasion resistance of lining and insock	59
6.12.1 Principle	59
6.12.2 Apparatus	59
6.12.3 Atmosphere for testing	60
6.12.4 Preparation of test pieces and materials	60
6.12.5 Procedure	60
6.12.6 Method of assessment	61

6.13 Determination of water penetration and water absorption for upper.....	61
6.13.1 Principle.....	61
6.13.2 Apparatus	62
6.13.3 Preparation of test piece.....	62
6.13.4 Procedure	62
6.13.5 Calculation and expression of results.....	63
6.14 Determination of resistance of upper to cutting	63
6.14.1 Preparation of test piece.....	63
6.14.2 Procedure	63
7. Test methods for insole and insock	63
7.1 Determination of insole thickness	63
7.2 Determination of water absorption and desorption of insole and insock	63
7.2.1 Principle.....	63
7.2.2. Apparatus	64
7.2.3 Sampling and conditioning.....	65
7.2.4 Procedure	65
7.2.5 Expression of results.....	65
7.2.6 Test report	66
7.3 Determination of abrasion resistance of insole	66
7.3.1 Principle.....	66
7.3.2 Apparatus	66
7.3.3 Preparation of test piece.....	67
7.3.4 Preparation of abradant pads.....	67
7.3.5 Procedure	67
7.3.6 Method of assessment.....	67
8 Test methods for outsole.....	68
8.1 Determination of outsole thickness.....	68
8.1.1 Determination of conformity of the cleated area.....	68
8.1.2 Outsole thickness	68
8.2 Determination of tear strength of outsole.....	68
8.3 Determination of outsole abrasion resistance	69
8.4 Determination of flexing resistance of outsole	69
8.4.1 Rigidity test	69
8.4.2 Flexing test.....	71
8.5 Determination of resistance to hydrolysis of outsole.....	74
8.6 Determination of resistance to fuel oil	74
8.6.1 General method.....	74
8.6.2 Method for outsole materials which shrink or become hardened.....	74
8.7 Determination of resistance to hot contact	74
8.7.1 Apparatus	74
8.7.2 Preparation of test specimen	76
8.7.3 Procedure	77
8.7.4 Method of assessment.....	77
Annex ZA (Informative) Clauses of this European Standard addressing essential requirements or other provisions of EU directives	77
Annex ZB (normative) Corresponding International and European Standards for which equivalents are not given in the text	78
Bibliography.....	78

Foreword

This document (EN ISO 20344:2004) has been prepared by CEN/TC 161, "Foot and leg protectors", the secretariat of which is held by BSI in collaboration with 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 February 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

This document supersedes EN 344:1992 and EN 344-2: 1996.

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.

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

1. Scope

This Standard specifies methods for testing footwear designed as personal protective equipment.

2. Normative references

The following referenced documents are indispensable for the application 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 388:1994, Protective gloves against mechanical risks

EN 12568:1998, Foot and leg protectors — Requirements and test methods for toecaps and metal penetration resistant inserts

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

EN ISO 868, Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868:2003)

EN ISO 3696, Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)

EN ISO 3376:2002, Leather — Physical and mechanical tests - Determination of tensile strength and percentage extension (ISO 3376:2002)

EN ISO 3377-2, Leather - Physical and mechanical tests - Determination of tear load (ISO 3377-2: 2002)

EN ISO 4044, Leather — Preparation of chemical test samples (ISO 4044:1977)

EN ISO 4045, Leather — determination of pH (ISO 4045:1977)

EN ISO 4674-1:2003, Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods (ISO 4674-1:2003)

EN ISO 17249:2004, Safety footwear with resistance to chain saw cutting (ISO 17249: 2004)

EN ISO 20345, Personal protective equipment - Safety footwear (ISO 20345:2004)

EN ISO 20346, Personal protective equipment - Protective footwear (ISO 20346:2004)

EN ISO 20347, Personal protective equipment - Occupational footwear (ISO 20347:2004)

ISO 34-1:1994, Rubber, vulcanised or thermoplastic — Determination of tear strength — Part 1 : Trouser, angle and crescent test pieces

ISO 1817:1999, Rubber, vulcanised — Determination of the effect of liquids

ISO 2023:1994, Rubber footwear - Lined industrial vulcanized rubber boots - Specification

ISO 3290, Rolling bearings — Balls — Dimensions and tolerances

ISO 4643:1992, Moulded plastic footwear — Lined or unlined poly(vinyl chloride) boots for general industrial use — Specification

ISO 4648:1991, Rubber, vulcanized or thermoplastic — Determination of dimensions of test pieces and products for test purposes

ISO 4649:2002, Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device

ISO 5423:1992, Moulded plastic footwear — Lined or unlined polyurethane boots for general industrial use — Specification