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DRAFT INTERNATIONAL STANDARD

ISO/DIS 18454

ISO/TC 216

Secretariat: AENOR

Voting begins on:
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2016-04-28

Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear

Chaussures — Atmosphères normales de conditionnement et d'essai des chaussures et de leurs éléments constitutifs

ICS: 61.060

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ISO/CEN PARALLEL PROCESSING

This draft has been developed within the European Committee for Standardization (CEN), and processed under the **CEN lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.



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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 18454 was prepared by Technical Committee ISO/TC 216, *Footwear*, Subcommittee SC , and by Technical Committee CEN/TC 309, *Footwear* in collaboration.

This second/third/... edition cancels and replaces the first/second/... edition (), [clause(s) / subclause(s) / table(s) / figure(s) / annex(es)] of which [has / have] been technically revised.

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Introduction

This International Standard has been prepared based on the following ISO standards referred to atmospheres for conditioning and testing:

ISO 554, *Standard atmospheres for conditioning and/or testing – Specifications*

ISO 558, *Conditioning and testing – Standard atmospheres – Definitions*

The aim of this International Standard is to harmonize the specifications for the ambient conditions in which test methods for footwear and components for footwear will be carried out

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Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear

1 Scope

This International Standard specifies out the general conditioning and testing atmospheres for the evaluation of footwear and footwear component properties.

This International Standard defines two standard atmospheres for conditioning and testing of footwear and footwear components.

2 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2419, and the following, apply.

2.1 atmosphere

ambient conditions defined by the parameters temperature and relative humidity.

2.2 standard atmosphere

atmosphere maintained within prescribed tolerances, in which a sample is kept for a given period of time before being subjected to testing

2.3 Conditioning

Operation designed to bring a sample into a specified condition in relation to temperature and relative humidity by keeping it for a given period of time in the standard atmosphere with free access of moving air to all surfaces.

3 General requirements

The standard atmospheres and tolerances for conditioning and testing of footwear and footwear component properties are given in clause 4 and clause 5 respectively.

When the conditioning is carried out at 23 °C and 50 % RH it will not be necessary to indicate this in the test report. In any other case, the ambient conditions must be explicitly stated in the test report.

4 Standard atmospheres

4.1 Reference standard atmosphere

The reference standard atmosphere shall have a temperature of 23,0 °C and a relative humidity of 50,0%.