



Technical Specification

ISO/TS 20953

Footwear — Performance requirements for components for footwear — Lining and insoles

*Chaussures — Exigences de performance pour les composants des
chaussures — Doublures et premières de propreté*

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Foreword

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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 216, *Footwear*.

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.

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Footwear — Performance requirements for components for footwear — Lining and insoles

1 Scope

This document establishes the performance requirements for lining and insole components for footwear, irrespective of the material, in order to assess the suitability for the end use and/or fitness for purpose. It also establishes the test methods to be used to evaluate compliance with these requirements.

This document applies to lining and insoles for all kinds of footwear as defined in [Clause 4](#).

This document can be used as a reference by the manufacturer and the supplier.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 17694, *Footwear — Test methods for uppers and lining — Flex resistance*

ISO 17696, *Footwear — Test methods for uppers, linings and insoles — Tear strength*

ISO 17697, *Footwear — Test methods for uppers, lining and insoles — Seam strength*

ISO 17699, *Footwear — Test methods for uppers and lining — Water vapour permeability and absorption*

ISO 17700, *Footwear — Test methods for upper components and insoles — Colour fastness to rubbing and bleeding*

ISO 17704, *Footwear — Test methods for uppers, linings and insoles — Abrasion resistance*

ISO 17709, *Footwear — Sampling location, preparation and duration of conditioning of samples and test pieces*

ISO 19952, *Footwear — Vocabulary*

ISO 22649, *Footwear — Test methods for insoles and insoles — Water absorption and desorption*

ISO 22652, *Footwear — Test methods for insoles, lining and insoles — Perspiration resistance*

ISO 80000-1, *Quantities and units — Part 1: General*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 19952 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Classification

The footwear shall be classified according to [Table 1](#).

Table 1 — Classification

Class	Exposure	Shoe type
A	slight	infant shoes, slippers, indoor shoes, fashion shoes
B	medium	casual shoes (adult and children shoes)
C	high	children school shoes, adult work shoes (not PPE) and general sport shoes
D	heavy	heavy work shoes (not PPE), trekking, hiking or similar purpose sports shoes

5 Requirements

5.1 General

This document establishes two different types of performance requirements.

The essential requirements shall all be fulfilled. Additional requirements can be agreed upon by the component supplier and the footwear manufacturer as indicated in [Table 2](#) or [Table 3](#).

The results of each determination, as well as the average values, shall be rounded off in accordance with ISO 80000-1.

When taken from finished footwear, samples shall be prepared in accordance with ISO 17709.

5.2 Essential and additional performance requirements for lining

The essential requirements in [Table 2](#) shall be fulfilled in all cases.

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