INTERNATIONAL STANDARD

ISO 17700

Second edition 2019-07

Footwear — Test methods for upper components and insocks — Colour fastness to rubbing and bleeding

Chaussures — Méthodes d'essai des composants de la tige et des premières de propreté — Solidité des coloris au frottement et à l'exsudation



ISO 17700:2019(E)



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Published in Switzerland

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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.

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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 216, Footwear.

This second edition cancels and replaces the first edition (ISO 17700:2004), which has been technically revised. The main changes compared with the previous edition are as follows:

- a new method (method C) to perform the colour fastness to rubbing has been introduced:
- in method D, the possibility to perform the colour fastness to bleeding in shoe laces and yarns has been introduced.

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.

Footwear — Test methods for upper components and insocks — Colour fastness to rubbing and bleeding

1 Scope

This document specifies three test methods (method A, method B and method C) for assessing the degree of transfer of a material's surface colour during dry or wet rubbing and a method (method D) for determining the likelihood of colour bleeding.

The methods are applicable to all footwear uppers, linings and insocks, irrespective of the material. Method D is also applicable to sewing threads and shoelaces.

The methods are:

- method A: to-and-fro square rubbing finger fastness testing machine;
- method B: rotative rub fastness testing machine;
- method C: to-and-fro circular rubbing finger fastness testing machine;
- method D: colour fastness to bleeding.

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.

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ISO 105-A01, Textiles — Tests for colour fastness — Part A01: General principles of testing
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ISO 105-A02, Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour

ISO 105-A03, Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining

ISO 105-F09, Textiles — Tests for colour fastness — Part F09: Specification for cotton rubbing cloth

ISO 105-F10, Textiles — Tests for colour fastness — Part F10: Specification for adjacent fabric: Multifibre

ISO 3696, Water for analytical laboratory use — Specification and test methods

ISO 4045, Leather — Chemical tests — Determination of pH and difference figure

ISO 18454, Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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