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| STN | **Obuv**<br>**Skúšobné metódy na vrchy, podšívky a stielky**<br>**Stálofarebnosť pri otere (ISO 17700: 2019)** | **STN**<br>**EN ISO 17700**<br><br>79 5659 |
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Footwear - Test methods for upper components and insocks - Colour fastness to rubbing and bleeding (ISO 17700:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/19

Obsahuje: EN ISO 17700:2019, ISO 17700:2019

Oznámením tejto normy sa ruší
STN EN ISO 17700 (79 5659) z marca 2006

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN ISO 17700

September 2019

ICS 61.060

Supersedes EN ISO 17700:2005

English Version

# Footwear - Test methods for upper components and insocks - Colour fastness to rubbing and bleeding (ISO 17700:2019)

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)

Schuhe - Prüfverfahren für Obermaterialbestandteile und Decksohlen - Farbechtheit bei Abrieb und Anbluten (ISO 17700:2019)

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Ref. No. EN ISO 17700:2019 E

# Contents

Page

## European foreword

This document (EN ISO 17700:2019) has been prepared by Technical Committee ISO/TC 216 "Footwear" in collaboration with Technical Committee CEN/TC 309 “Footwear” the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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## Endorsement notice

The text of ISO 17700:2019 has been approved by CEN as EN ISO 17700:2019 without any modification.

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*

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# Contents

Page

# 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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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.

**INTERNATIONAL STANDARD** **ISO 17700:2019(E)**

# 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.

ISO 105-A01, *Textiles — Tests for colour fastness — Part A01: General principles of testing*

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*



 