

Footwear — Test methods for uppers, lining and insoles — Colour fastness to rubbing

The European Standard EN 13516:2001 has the status of a
British Standard

ICS 61.060

National foreword

This British Standard is the official English language version of EN 13516:2001, including Corrigendum December 2003.

The UK participation in its preparation was entrusted to Technical Committee TCI/69, Footwear and leather, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

This British Standard, having been prepared under the direction of the Materials and Chemicals Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 5 March 2002

© BSI 12 May 2004

Amendments issued since publication

Amd. No.	Date	Comments
15116 Corrigendum No. 1	12 May 2004	Changes to subclauses 4.3.10, 6.1.2, 6.2.1.6 and 7.1

ISBN 0 580 39208 2

English version

Footwear — Test methods for uppers, lining and insoles — Colour fastness to rubbing

Chaussures — Méthodes d'essai des tiges, de la doublure et des garnitures intérieures —
Stabilité de la couleur au frottement

Schuhe — Prüfverfahren für Schäfte, Futter und Deckbrandsohlen — Farbechtheit bei Abrieb

This European Standard was approved by CEN on 16 November 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Apparatus and material	5
4.1 Method A.....	5
4.2 Method B.....	6
4.3 Method C.....	7
5 Sampling and conditioning.....	7
5.1 Method A.....	7
5.2 Method B.....	8
5.3 Method C.....	8
6 Test method.....	9
6.1 Principle	9
6.1.1 Methods A and B.....	9
6.1.2 Method C.....	9
6.2 Procedure	9
6.2.1 Method A.....	9
6.2.2 Method B.....	11
6.2.3 Method C.....	12
7 Test report	13
7.1 Methods A and B.....	13
7.2 Method C.....	13
Annex A	14
A.1 Summary of test conditions normally used for method B	14
A.2 Drying of pads and test specimens	14
A.3 Avoiding thermal damage.....	14
Bibliography	15

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 309 "Footwear", the secretariat of which is held by AENOR.

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 June 2002, and conflicting national standards shall be withdrawn at the latest by June 2002.

Method A of this draft European Standard is based on the IULTCS/IUF 450 method (ISO 11640:1993 "Leather; tests for colour fastness; colour fastness to cycles of to-and-fro rubbing"), and method C is based on the IULTCS/IUF 426 method (ISO 11641:1993 "Leather; tests for colour fastness; colour fastness to perspiration").

Annex A is informative.

This standard includes a Bibliography.

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

1 Scope

1.1 This standard specifies two test methods (method A and method B) for assessing the degree of damage (marring) and transfer of a material's surface colour during mild dry or wet abrasion. The methods are applicable to all footwear upper, lining and insock irrespective of the material, in order to assess the suitability for the end use.

1.2 This standard also specifies a method (method C) for determining the likelihood of colour bleeding from materials and components such as sewing threads and shoe laces due to the action of water and artificial perspiration solutions, in order to assess the suitability for the end use.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

EN 12222, *Footwear - Standard atmospheres for conditioning and testing of footwear and components for footwear*.

EN ISO 105-A01, *Textiles - Tests for colour fastness - Part A01: General principles of testing (ISO 105-A01:1994)*.

EN 20105-A02, *Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*.

EN 20105-A03, *Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining (ISO 105-A03:1993)*.

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

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

3 Terms and definitions

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

3.1

colour fastness to rubbing

resistance of a material to damage (marring) and transfer of the materials surface colour during mild dry or wet abrasion

3.2

perspiration fastness

resistance of a material to colour bleed when exposed to an artificial perspiration solution

3.3

thick leather

leather with a thickness greater than 2 mm