

Textiles - Tests for colour fastness - Part A08: Vocabulary used in colour measurement

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 105-A08:2003 sisaldab Euroopa standardi EN ISO 105-A08:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 105-A08:2003 consists of the English text of the European standard EN ISO 105-A08:2002.</p> <p>This document is endorsed on 18.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This part of ISO 105 specifies the terms and definitions on colour measurements that are throughout ISO 105. These definitions are intended to be used only within the context and scope of ISO 105.</p>	<p>Scope:</p> <p>This part of ISO 105 specifies the terms and definitions on colour measurements that are throughout ISO 105. These definitions are intended to be used only within the context and scope of ISO 105.</p>
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Võtmesõnad: colorimetry, colour, colour fastness, colourfastness, colour-fastness tests, definition, definitions, depth of colour, dyes, glossaries, measurement, technical vocabulary, terminology, testing, textiles, vocabulary

English version

Textiles – Tests for colour fastness

**Part A08: Vocabulary used in colour measurement
(ISO 105-A08 : 2001)**

Textiles – Essais de solidité des
teintures – Partie A08: Vocabulaire
relatif au mesurage de la couleur
(ISO 105-A08 : 2001)

Textilien – Farbechtheitsprüfungen –
Teil A08: Vokabular der Farbmeterik
(ISO 105-A08 : 2001)

This European Standard was approved by CEN on 2002-08-30.

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CEN

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

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

Foreword

International Standard

ISO 105-A08 : 2001 Textiles – Tests for colour fastness – Part A08: Vocabulary used in colour measurement, which was prepared by ISO/TC 38 'Textiles' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 248 'Textiles and textile products', the Secretariat of which is held by BSI, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by March 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 105-A08 : 2001 was approved by CEN as a European Standard without any modification.

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1 Scope

This part of ISO 105 specifies the terms and definitions on colour measurements that are used throughout ISO 105. These definitions are intended to be used only within the context and scope of ISO 105.

2 Terms and definitions

2.1

chroma

attribute of colour used to indicate the degree of departure of the colour from a grey of the same lightness

NOTE C^*_{ab} is the metric chroma defined in the CIELAB equation.

2.2

CIE 1976, L^* , a^* , b^* colour space

CIELAB colour space

transform of CIE tristimulus values into an approximately uniform, three dimensional, opponent colour space

NOTE Its opponent variables are lightness-darkness (L^*), redness-greenness (a^*) and yellowness-blueness (b^*). The last two may be further transformed into those of chroma (C^*_{ab}) and hue (h_{ab}).

2.3

CIE 1976, L^* , a^* , b^* colour difference

CIELAB colour difference

ΔE^*_{ab}

Euclidean distance between the points representing a test specimen and its reference specimen in CIELAB colour space

2.4

CIE chromaticity coordinates

ratios of each of the members of a set of CIE tristimulus values to their sum

NOTE The corresponding symbols are x_{10} , y_{10} and z_{10} for X_{10} , Y_{10} and Z_{10} , and x , y and z for X , Y and Z . Since $x_{10} + y_{10} + z_{10} = 1$ and $x + y + z = 1$, x_{10} and y_{10} or x and y suffice to define chromaticity.

2.5

CIE standard observer data

relative amounts of three defined colour stimuli required, when mixed additively, by the average observer to match radiation at each wavelength of the visible spectrum under defined viewing conditions

NOTE The CIE defines the 1931 (2°) standard colorimetric observer and 1964 (10°) supplementary standard colorimetric observer.