

SLOVENSKI STANDARD

SIST EN ISO 105-A08:2002

01-november-2002

Tekstilije - Preskušanje barvne obstojnosti - Del A08: Slovar, ki se uporablja pri barvnih merjenjih (ISO 105-A08:2001)

Textiles - Tests for colour fastness - Part A08: Vocabulary used in colour measurement (ISO 105-A08:2001)

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

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

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Ta slovenski standard je istoveten z: EN ISO 105-A08:2002

ICS:

01.040.59	Tekstilna in usnjarska tehnologija (Slovarji)	Textile and leather technology (Vocabularies)
59.080.01	Tekstilije na splošno	Textiles in general

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 105-A08

September 2002

ICS 01.040.59; 59.080.01

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 30 August 2002.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

EN ISO 105-A08:2002 (E)**Foreword**

The text of ISO 105-A08:2001 has been prepared by Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 105-A08:2002 by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

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 2003, and conflicting national standards shall be withdrawn at the latest by March 2003.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

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

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INTERNATIONAL STANDARD

ISO
105-A08

First edition
2001-04-01

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

Textiles — Essais de solidité des teintures —

Partie A08: Vocabulaire relatif au mesurage de la couleur

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 105 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 105-A08 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

ISO 105 was previously published in thirteen "parts", each designated by a letter (e.g. "Part A"), with publication dates between 1978 and 1985. Each part contained a series of "sections", each designated by the respective part letter and by a two-digit serial number (e.g. "Section A01"). These sections are now being republished as separate documents, themselves designated "parts" but retaining their earlier alphanumeric designations. A complete list of these parts is given in ISO 105-A01.

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Textiles — Tests for colour fastness —

Part A08:

Vocabulary used in colour measurement

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 CIE LAB 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

$$\Delta E_{ab}^*$$

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.