



**SLOVENSKI STANDARD**  
**SIST EN ISO 105-X12:2002**

**01-november-2002**

**BUXca Yý U**  
**SIST EN ISO 105-X12:1996**

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**Tekstilije - Preskušanje barvne obstojnosti - Del X12: Barvna obstojnost pri drgnjenju (ISO 105-X12:2001)**

Textiles - Tests for colour fastness - Part X12: Color fastness to rubbing (ISO 105-X12:2001)

Textilien - Farbechtheitsprüfungen - Teil X12: Reibechtheit von Färbungen (ISO 105-X12:2001)

Textiles - Essais de solidité des teintures - Partie X12: Solidité des teintures au frottement (ISO 105-X12:2001)

**Ta slovenski standard je istoveten z: EN ISO 105-X12:2002**

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**ICS:**

59.080.01      Tekstilije na splošno      Textiles in general

**SIST EN ISO 105-X12:2002**      **en**

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EUROPEAN STANDARD

EN ISO 105-X12

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2002

ICS 59.080.01

Supersedes EN ISO 105-X12:2002

English version

## Textiles - Tests for colour fastness - Part X12: Color fastness to rubbing (ISO 105-X12:2001)

Textiles - Essais de solidité des teintures - Partie X12:  
Solidité des teintures au frottement (ISO 105-X12:2001)

Textilien - Farbechtheitsprüfungen - Teil X12: Farbechtheit  
gegen Reiben (ISO 105-X12:2001)

This European Standard was approved by CEN on 19 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.

**iTeh STANDARD PREVIEW**

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-X12:2002 (E)****Foreword**

The text of ISO 105-X12:2001 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-X12:2002 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.

This document supersedes EN ISO 105-X12:1995.

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-X12:2001 has been approved by CEN as a European Standard without any modifications.

NOTE Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA**  
(normative)  
**Normative references to international publications  
with their relevant European publications**

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).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 105-A01	1994	Textiles - Tests for colour fastness - Part A01: General principles of testing	EN ISO 105-A01	1995
ISO 105-A03	1993	Textiles - Tests of colour fastness - Part A03: Grey scale for assessing staining	EN 20105-A03	1994
ISO 139	1973	Textiles - Standard atmospheres for conditioning and testing	EN 20139	1992

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# INTERNATIONAL STANDARD

# ISO 105-X12

Fifth edition  
2001-05-01

Corrected version  
2002-06-01

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## Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing

*Textiles — Essais de solidité des teintures —*

*Partie X12: Solidité des teintures au frottement*  
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Reference number  
ISO 105-X12:2001(E)

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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-X12 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

This fifth edition cancels and replaces the fourth edition (ISO 105-X12:1993), which has been technically revised.

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.

This corrected and reprinted version of ISO 105-X12:2001 incorporates the following corrections in subclause 6.2 on page 3.

The sequence of the rubbing cycle has been clarified. The text now indicates that the total number of cycles is 20:10 to and 10 fro as opposed to 20 than 10 to and fro.