



SLOVENSKI STANDARD
SIST EN ISO 105-E13:1999

01-marec-1999

Tekstilije - Preskušanje barvne obstojnosti - Del E13: Barvna obstojnost proti kislemu polstenju: ostri pogoji (ISO 105-E13:1994)

Textiles - Tests for colour fastness - Part E13: Colour fastness - Part E13: Colour fastness to acid-felting: Severe (ISO 105-E13:1994)

Textilien - Farbechtheitsprüfungen - Teil E13: Farbechtheit gegen saures Walken: schwere Beanspruchung (ISO 105-E13:1994)

Textiles - Essais de solidité des teintures - Partie E13: Solidité des teintures au foulon acide: Essai fort (ISO 105-E13:1994)

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Ta slovenski standard je istoveten z: EN ISO 105-E13:1996

ICS:

59.080.01 Tekstilije na splošno Textiles in general

SIST EN ISO 105-E13:1999 en

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EUROPEAN STANDARD

EN ISO 105-E13

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1996

ICS 59.080.10

Descriptors: see ISO document

English version

**Textiles - Tests for colour fastness - Part E13:
Colour fastness to acid-felting: Severe
(ISO 105-E13:1994)**

Textiles - Essais de solidité des teintures -
Partie E13: Solidité des teintures au foulon
acide: Essai fort (ISO 105-E13:1994)

Textilien - Farbechtheitsprüfungen - Teil E13:
Farbechtheit gegen saures Walken: schwere
Beanspruchung (ISO 105-E13:1994)

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This European Standard was approved by CEN on 1996-11-30. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

The text of the International Standard from Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 248 "Textile 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 June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

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

Endorsement notice

The text of the International Standard ISO 105-E13:1994 has been approved by CEN as a European Standard without any modification.

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</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-A02	1993	Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour	EN 20105-A02	1994
ISO 105-A03	1993	Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining	EN 20105-A03	1994

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INTERNATIONAL
STANDARD

ISO
105-E13

Third edition
1994-09-15

Textiles — Tests for colour fastness —

Part E13:

Colour fastness to acid-felting: Severe

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Textiles — Essais de solidité des teintures —

Partie E13: Solidité des teintures au foulon acide: Essai fort

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Reference number
ISO 105-E13:1994(E)

ISO 105-E13:1994(E)**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.

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.

International Standard ISO 105-E13 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

This third edition cancels and replaces the second edition (ISO 105-E13:1987), of which it constitutes a technical revision.

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 E13:

Colour fastness to acid-felting: Severe

1 Scope

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all forms to the action of acids, as used under severe conditions in the acid-felting process.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 105. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 105 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

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

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

ISO 105-A03:1993, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining.*

ISO 105-F:1985, *Textiles — Tests for colour fastness — Part F: Standard adjacent fabrics.*

3 Principle

A specimen of the textile in contact with adjacent fabrics is milled in solutions of acetic acid and/or sulfuric acid, rinsed and dried. The change in colour

of the specimen and the staining of the adjacent fabrics are assessed by comparison with the grey scales.

4 Apparatus and reagents

4.1 Suitable open container and **glass rod**, flattened at one end, or appropriate mechanical device (see 6.2).

4.2 Sulfuric acid, aqueous solution containing 1 ml of concentrated sulfuric acid (ρ 1,84 g/ml) per litre.

4.3 Acetic acid, aqueous solution containing 5 ml of acetic acid (300 g/ml) per litre.

4.4 Two adjacent fabrics, in accordance with the appropriate section F01 to F08 of ISO 105-F:1985, each measuring 40 mm × 100 mm, one piece made of wool and the other made of wool or of another fibre, as desired, to be assessed for staining.

4.5 Grey scale for assessing change in colour, complying with ISO 105-A02, and **grey scale for assessing staining**, complying with ISO 105-A03.

5 Test specimen

5.1 If the textile to be tested is fabric, attach a specimen measuring 40 mm × 100 mm between the two adjacent fabrics (4.4), also measuring 40 mm × 100 mm, by sewing along one of the shorter sides.

5.2 If the textile to be tested is yarn, knit it into fabric and treat it as in 5.1, or form a layer of parallel lengths of it between the two adjacent fabrics (4.4),