



**SLOVENSKI STANDARD**  
**SIST EN ISO 105-E07:1999**

**01-marec-1999**

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**Tekstilije - Preskušanje barvne obstojnosti - Del E07: Barvna obstojnost proti kapljam: voda (ISO 105-E07:1989)**

Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water (ISO 105-E07:1989)

Textilien - Farbechtheitsprüfungen - Teil E07: Farbechtheit gegen Flecken: Wasser (ISO 105-E07:1989)

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Textiles - Essais de solidité des teintures - Partie E07: Solidité des teintures a la goutte d'eau (ISO 105-E07:1989)

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**Ta slovenski standard je istoveten z: EN ISO 105-E07:1997**

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**ICS:**

59.080.01      Tekstilije na splošno      Textiles in general

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EUROPEAN STANDARD

EN ISO 105-E07

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1997

ICS 59.080.01

Descriptors: see ISO document

English version

**Textiles - Tests for colour fastness - Part E07:  
Colour fastness to spotting: Water  
(ISO 105-E07:1989)**

Textiles - Essais de solidité des teintures -  
Partie E07: Solidité des teintures à la goutte  
d'eau (ISO 105-E07:1989)

Textilien / Farbechtheitsprüfungen - Teil E07:  
Farbechtheit gegen Flecken: Wasser  
(ISO 105-E07:1989)

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This European Standard was approved by CEN on 1997-03-28. 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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EN ISO 105-E07:1997

## 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 "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 October 1997, and conflicting national standards shall be withdrawn at the latest by October 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-E07:1989 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 - Test for colour fastness - Part A01: General principles of testing	EN ISO 105-A01	1995
ISO 105-A02	1993	Textiles - Test for colour fastness - Part A02: Grey scale for assessing change in colour	EN 20105-A02	1994

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# INTERNATIONAL STANDARD

**ISO**  
**105-E07**

Third edition  
1989-12-15

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**Textiles — Tests for colour fastness —**

**Part E07 :**

Colour fastness to spotting: Water

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*Textiles — Essais de solidité des teintures —*

*Partie E07 : Solidité des teintures à la goutte d'eau*  
*SIST EN ISO 105-E07:1999*

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INTERNATIONAL

ISO



Reference number  
ISO 105-E07:1989(E)

## ISO 105-E07:1989(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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 105-E07 was prepared by Technical Committee ISO/TC 38, *Textiles*.

This third edition cancels and replaces the second edition (ISO 105-E07:1987), of which it constitutes a technical revision.

ISO 105 was previously published in 13 "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 E07 :

### Colour fastness to spotting: Water

#### 1 Scope

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to spotting by water.

#### 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-A01:1989, *Textiles — Tests for colour fastness — Part A01: General principles of testing*.

ISO 105-A02:1987, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*.

#### 3 Principle

Drops of water are worked into the specimen with a glass rod, and the change in colour of the textile is assessed with the grey scale after 2 min and after drying.

#### 4 Apparatus and reagent

4.1 **Pipette** or dropper.

4.2 **Glass rod**, with rounded end.

4.3 **Grey scale for assessing change in colour**, complying with ISO 105-A02.

4.4 **Grade 3 water** (see ISO 105-A01:1989, sub-clause 8.2).

#### 5 Test specimen

5.1 If the textile to be tested is fabric, use a specimen measuring 40 mm × 100 mm.

5.2 If the textile to be tested is yarn, knit it into fabric and use a specimen measuring 40 mm × 100 mm, or make a wick of parallel lengths 100 mm long and about 5 mm in diameter, tied near both ends.

5.3 If the textile to be tested is loose fibre, comb and compress enough of it to form a sheet measuring 40 mm × 100 mm.

#### 6 Procedure

6.1 Spot the specimen at room temperature with grade 3 water (4.4) so that after working the water into the specimen with the glass rod, a spot of diameter approximately 20 mm is formed. In the case of water-repellent fabrics, the amount of water shall not exceed 0,5 ml.

6.2 After 2 min, assess the change in colour in the periphery of the spot with the grey scale (4.3).

6.3 Dry the specimen in air at room temperature and again assess the change in colour with the grey scale.

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