

Textiles — Tests for colour fastness —

Part J01: General principles for measurement of surface colour

The European Standard EN ISO 105-J01:1999 has the status of a
British Standard

ICS 59.080.01

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National foreword

This British Standard is the official English language version of EN ISO 105-J01:1999. It is identical with ISO 105-J01:1997. It supersedes method J01 of BS 1006:1990.

The UK participation in its preparation was entrusted to Technical Committee TCI/81, Colour fastness and colour measurement, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO title page, page ii, pages 1 to 13, the annex ZA page, an inside back cover and a back cover.

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English version

**Textiles - Tests for colour fastness - Part J01: General principles
for measurement of surface colour (ISO 105-J01:1997)**

Textiles - Essais de solidité des teintures - Partie J01:
Principes généraux du mesurage de la couleur de surface
(ISO 105-J01:1997)

Textilien - Farbechtheitsprüfungen - Teil J01: Grundlagen
für die Messung von Körperfarben (ISO 105-J01:1997)

This European Standard was approved by CEN on 18 April 1999.

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.

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 Central Secretariat 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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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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 "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 November 1999, and conflicting national standards shall be withdrawn at the latest by November 1999.

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

Endorsement notice

The text of the International Standard ISO 105-J01:1997 has been approved by CEN as a European Standard without any modification.

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

INTERNATIONAL STANDARD

EN ISO 105-J01:1999

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Textiles — Tests for colour fastness —

Part J01:

General principles for measurement of surface colour

Textiles — Essais de solidité des teintures —

Partie J01: Principes généraux du mesurage de la couleur de surface



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-J01 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

This fourth edition cancels and replaces the third edition (ISO 105-J01:1989), 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.

Annex A forms an integral part of this part of ISO 105. Annex B is for information only.

Textiles — Tests for colour fastness —

Part J01:

General principles for measurement of surface colour

1 Scope

This part of ISO 105 is designed as a reference document to support the proper measurement of the colour of specimens by instrumental means as required in many parts of ISO 105. The document describes general concepts and problems associated with reflectance colour measurement.

Annex A specifies techniques and specimen handling procedures.

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 agreement 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 139:1973, *Textiles — Standard atmospheres for conditioning and testing*.

CIE Publication No. 15.2, *Colorimetry*, 2nd ed. (1986)¹⁾.

3 Definitions

For the purposes of this part of ISO 105, the following definitions apply.

3.1 colour measurement: A numerical representation of the colour of a specimen obtained by use of a colour measuring instrument; a single measurement may represent an average of multiple readings of a specimen.

1) Available from the International Commission on Illumination Central Bureau, Kegelgasse 27, A-1030 Vienna, Austria.