
Textiles — Tests for colour fastness —
Part E12:
Colour fastness to milling: Alkaline milling
AMENDMENT 1

iTeh STANDARD PREVIEW

Textiles — Essais de solidité des teintures —

(standards.iteh.ai)
Partie E12: Solidité des teintures au foulon: Foulon alcalin

AMENDEMENT 1
[ISO 105-E12:1989/Amd 1:2002](https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002)

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 105-E12:1989/Amd 1:2002](https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002)

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>

© ISO 2002

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

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.

The main task of technical committees is to prepare International Standards. 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 Amendment may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to International Standard ISO 105-E12:1989 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 105-E12:1989/Amd 1:2002](https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002)

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 105-E12:1989/Amd 1:2002

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>

Textiles — Tests for colour fastness —

Part E12: Colour fastness to milling: Alkaline milling

AMENDMENT 1

Page 1, Clause 1 Scope

Replace the text with the following:

This part of ISO 105 specifies a method for determining the resistance of the colour of wool and part-wool textiles to the action of soap and sodium carbonate solutions used in alkaline milling (severe method) or of a soap solution only (mild method).

The mild method may be applied to light- or medium-weight wool (or wool-containing) apparel fabrics.

Page 1, Clause 3 Principle

After the first sentence, terminating "...and sodium carbonate," add:

"or a solution of soap. In the first case (severe milling) the severity..."

Page 2, Subclause 4.4 Milling solution

Two subclauses have been created with the following content:

4.4 Milling solutions

4.4.1 Milling solution for severe method "A" (follows text of 4.4)

4.4.2 Milling solution for mild method "B" containing 10 g/l of soap (described in 4.4.1)

Page 2, Subclause 4.5 Test control

The title has been modified as follows:

4.5 Test control (for the severe method "A" only)

Page 2, subclause 5.1

The text now reads as follows:

5.1 If the textile to be tested is fabric, either

- a) place a specimen measuring 40 mm × 100 mm between a piece of the multifibre adjacent fabric and a non-dyeable fabric, also measuring 40 mm × 100 mm, by sewing along all four sides to form a composite specimen, or
- b) place a specimen measuring 40 mm × 100 mm between the two appropriate single-fibre adjacent fabrics (see Table 1), also measuring 40 mm × 100 mm, by sewing along all four sides to form a composite specimen.

Page 2, Subclause 5.3

The text now reads as follows:

5.3 Prepare the composite specimen of the test control (4.5) in the way outlined for fabric in 5.1 (for severe method only).

Pages 2 and 3, Clause 6 Procedure

This is now divided into two subclauses, 6.1 and 6.2 as follows:

ITEH STANDARD PREVIEW
(standards.iteh.ai)

6 Procedure

6.1 A: Severe method

6.1 to 6.5 become 6.1.1 to 6.1.5

[ISO 105-E12:1989/Amd 1:2002](https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002)

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>

6.6 becomes:

6.2 B: Mild method

6.2.1 Put the composite specimens in a container in the test device (4.1) with three times their own mass of the milling solution (4.4.2) and 10 stainless steel balls (4.2). Clamp the cover and run the device for 30 min at (40 ± 2) °C.

6.2.2 Stop the device, open the container and add sufficient grade 3 water (4.7) at (40 ± 2) °C to give a liquor ratio of 100:1. Clamp the cover and run the device for an additional 10 min at (40 ± 2) °C.

6.2.3 Proceede as in 6.1.4.

6.2.4 Assess the change in colour of the specimen and the staining of its adjacent fabric(s) with the grey scales (4.6).

Page 3, Clause 7 Test report

An additional line has been added as follows:

7 Test report

After point b), insert:

c) the method used (mild or severe);

and renumber the following points c) to e) as d) to f).

Page 3, Clause 8 Notes

After 8.2 the text in parentheses has been added:

8.2 (for severe method only) Enter a well ...

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO 105-E12:1989/Amd 1:2002](https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002)

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 105-E12:1989/Amd 1:2002](https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002)

<https://standards.iteh.ai/catalog/standards/sist/9ac01a2b-6743-4014-a7e6-2c0ffbbad498/iso-105-e12-1989-amd-1-2002>

ICS 59.080.01

Price based on 3 pages