



DRAFT AMENDMENT ISO 7768:2006/DAmD 1

ISO/TC 38/SC 2

Secretariat: **ANSI**

Voting begins on:
2008-04-02

Voting terminates on:
2008-09-02

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Textiles — Test method for assessing the smoothness appearance of fabrics after cleansing

AMENDMENT 1

Textiles — Méthode d'essai pour l'évaluation de la régularité d'aspect des étoffes après nettoyage
AMENDEMENT 1

ICS 59.080.30

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO 7768:2006/DAmD 1](https://standards.iteh.ai/catalog/standards/sist/3dfl96c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1)
<https://standards.iteh.ai/catalog/standards/sist/3dfl96c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1>

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

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 7768:2006/DAmD 1](https://standards.iteh.ai/catalog/standards/sist/3dfl96c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1)

<https://standards.iteh.ai/catalog/standards/sist/3dfl96c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1>

Copyright notice

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to 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.org
Web www.iso.org

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

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 2.

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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 7768:2006 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

iteh STANDARD PREVIEW
(standards.iteh.ai)

ISO 7768:2006/DAmD 1

<https://standards.iteh.ai/catalog/standards/sist/3df196c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1>

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

ISO 7768:2006/DAmD 1

<https://standards.iteh.ai/catalog/standards/sist/3df196c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1>

Textiles — Test method for assessing the smoothness appearance of fabrics after cleansing — Amendment 1

Pg. 7, Annex B (informative)

New annex added

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 7768:2006/DAm1

<https://standards.iteh.ai/catalog/standards/sist/3df196c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1>

ANNEX B (informative)

Digital Description of the ISO Smoothness Replicas

B.1 This informative annex provides the digital description of 3D replicas. The data are not intended to be used to assess specimens. When assessing specimens, the 3D replicas are to be used.

B.2 Processes of Measurement and Analysis

B.2.1 A 3-dimensional scanning system was used to measure digital images of ISO smoothness replicas as shown in Figure B.1. Specifications for the scanning system are shown in Table B.1.



Figure B.1 — 3-Dimensional scanning system

Table B.1 — Specification of the 3-dimensional scanning system

Camera	1024 × 768 pixel, B/W
Special Pattern	Structural beam by halogen lamp
Adjustment of focus	Using the laser point light source
Measurement time	70 ~ 80 sec
Resolution	± 0,05 mm

B.2.2 Measuring area is shown in Figure B.2

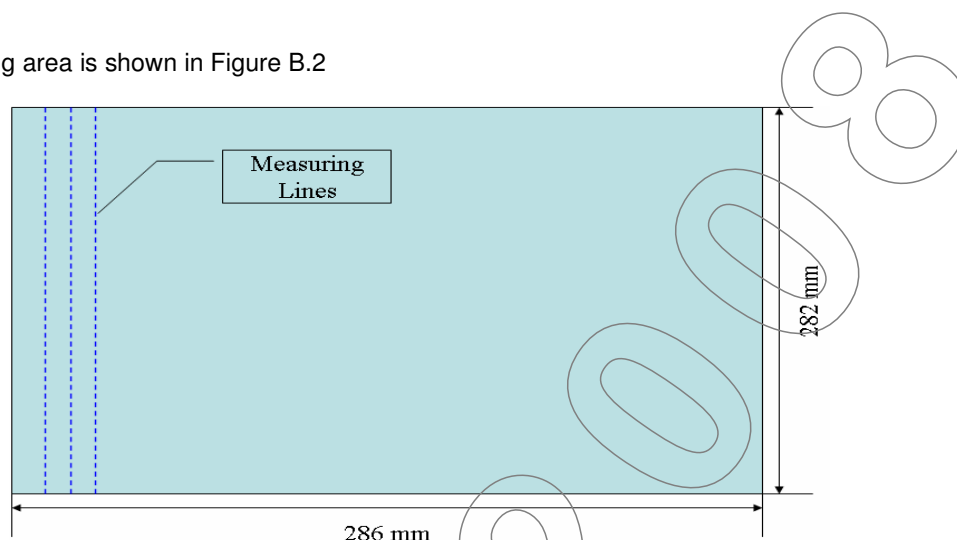


Figure B.2 — Measuring area of smoothness replica

B.2.3 The 3-dimensional measured images are separately stored as six regions to be divided intentionally for analysis. See Figure B.3.

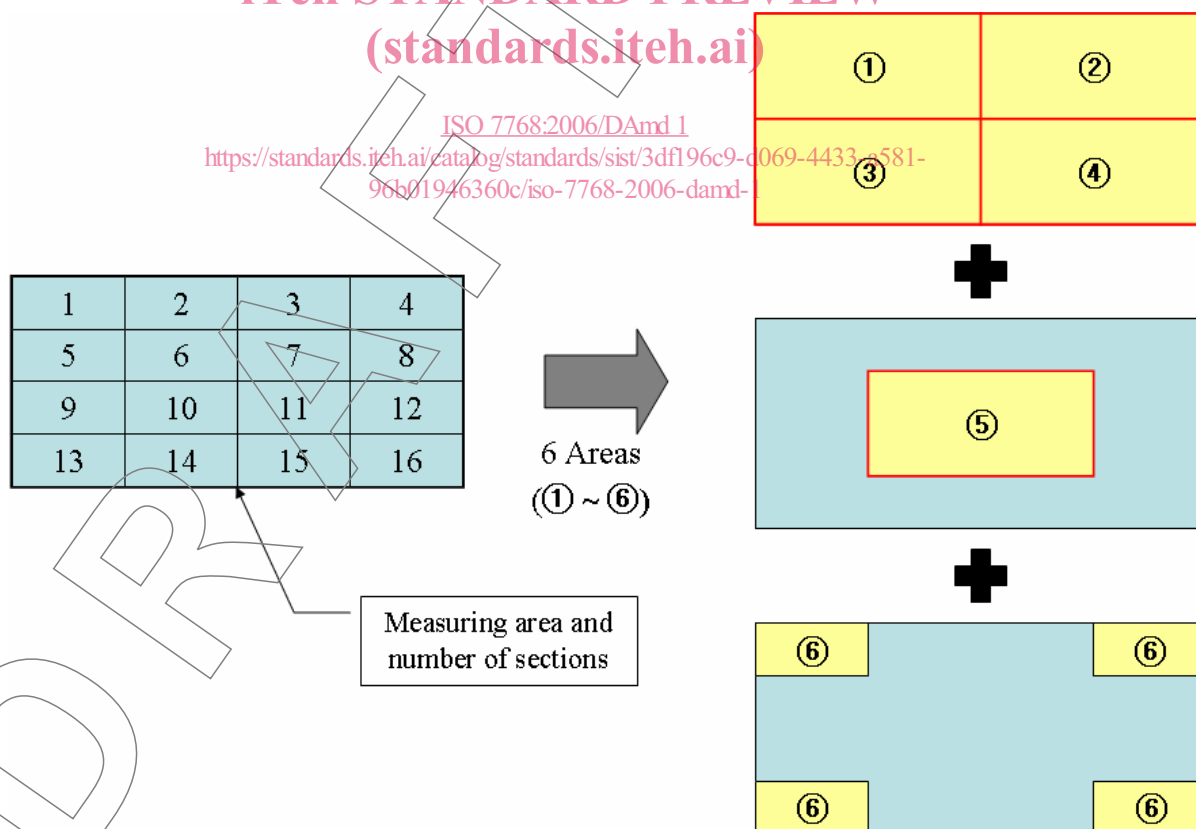


Figure B.3 — Six regions for smoothness replica analysis

B.2.4 A geometric shape of each standard replica is measured using a 3-dimensional laser scanning system at an interval with 0,375 mm. The number of measuring points along each line is determined by the intervals.

To analyze the replicas, define six shape parameters that have an influence on grade of replica. They are mean of heights, maximum of heights, variation of heights, mean of height frequency, maximum of height frequency, variation of height frequency. For each region, one can get 6 parameters.

B.3 Analysis of Smoothness with 0,375 mm Measurements

B.3.1 Measured Images of Smoothness Replicas

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 7768:2006/DAmD 1

<https://standards.iteh.ai/catalog/standards/sist/3df196c9-d069-4433-a581-96b01946360c/iso-7768-2006-damd-1>

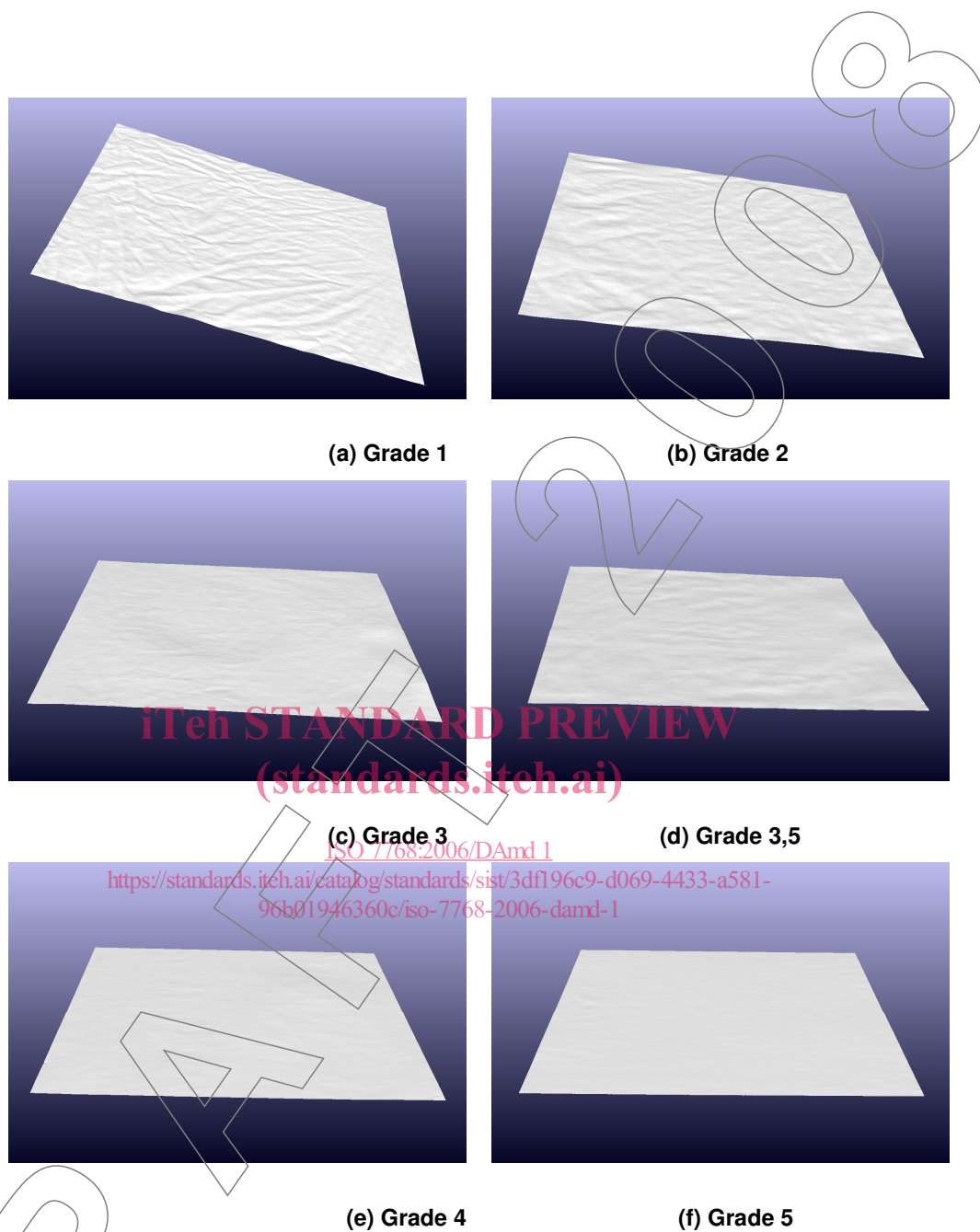


Figure B.4 — Measured images of smoothness replica

B.3.2 Analysis of Parameters

B.3.2.1 Mean of Height (H_{mean})

Figure B.5 shows the relationship between grade of smoothness replica and mean of height. The ANOVA test and Tukey's method were performed to confirm differences in this parameter among grades. From the results of the ANOVA test, the difference in grades was confirmed at the 95 % confidence level. The results of the Tukey's method indicated no significant differences between grade 1 and 3, between grade 2 and 3, between grade 2 and 3,5; between grade 2 and 4; between grade 3 and 3,5; between grade 3,5 and 4; and between grade 4 and 5.