
**Machine-made textile floor coverings —
Selection and cutting of specimens for
physical tests**

*Revêtements de sol textiles fabriqués à la machine — Sélection et
prélèvement des éprouvettes en vue des essais physiques*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 1957:2000](https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-30a807956ef1/iso-1957-2000)

[https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-
30a807956ef1/iso-1957-2000](https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-30a807956ef1/iso-1957-2000)



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 1957:2000

<https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-30a807956ef1/iso-1957-2000>

© ISO 2000

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.

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

International Standard ISO 1957 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

This third edition cancels and replaces the second edition (ISO 1957:1986), which has been technically revised.

Annex A of this International Standard is for information only.

STANDARD PREVIEW
(standards.iteh.ai)
ISO 1957:2000
<https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-b4f-30a807956ef1/iso-1957-2000>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 1957:2000

<https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-30a807956ef1/iso-1957-2000>

Machine-made textile floor coverings — Selection and cutting of specimens for physical tests

1 Scope

This International Standard specifies a procedure to be followed when specimens are cut from samples if such specimens are to be used for physical tests.

The reference method for selection of the sample from the bulk material is given in informative annex A.

Unless selected in accordance with annex A it is accepted that the sample taken may not necessarily be completely representative of the bulk. It is recommended that the method of sampling be previously agreed by the parties interested in the results of the test.

The procedure is applicable to machine-made textile floor coverings with or without pile.

2 Principle

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Procedures are given for the selection of test specimens from a sample in such a way that they are as representative of the bulk as possible.

[ISO 1957:2000](#)

<https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-b44f-30a807956e11/iso-1957-2000>

3 Procedure

3.1 Examine the sample and note and record any physical variation across the sample. Such variations would include, for instance, rows of long or short tufts or variations in pile-lay or use-surface between different parts of the sample.

3.2 Where the specimens are required to be square or rectangular in shape, cut them so that the edges are parallel to the warp and weft directions or, in certain types of textile floor covering, parallel and at right angles to the machine production direction. If the sample does not have a perfectly square construction, still cut the specimens as described above and note in the report the fact that a slightly skew specimen is produced.

3.3 Where the sample includes a selvedge or edge of tufts forming the actual pile, such an edge running in the machine direction, cut the specimen so that no part of it lies within 100 mm of this edge.

3.4 Cut specimens so that no part is within 300 mm of the weft-wise edge, or the edge at right angles to the machine direction. If it is known that the weft cut was more than 300 mm from a pile change, then cut the specimen so that no part of it lies within 50 mm of a weft edge or edge at right angles to the machine direction.

3.5 If more than one specimen is to be cut from the sample, arrange them equally and as widely as possible over the available sample area, ensuring that (where the construction allows) the specimens do not contain the same warp and weft threads. If duplication is inevitable, then avoid taking repeated specimens in the direction of machine production. Note in the report any duplication which occurs. Figure 1 illustrates the preferred way to take four test specimens.

NOTE For products manufactured from cross-laid webs, it is preferable to avoid duplication in the direction at right angles to the direction of machine production.

3.6 When cutting specimens from a sample, arrange them as widely as possible over the available sample area. When multiple specimens are taken, they shall be equally arranged on either side of a line bisecting the sample in the warp or machine direction.

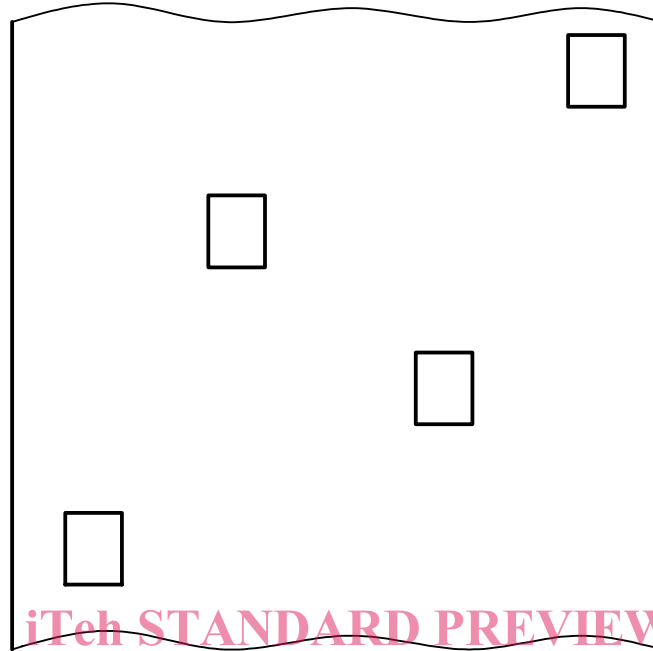


Figure 1 — Example of cutting four test specimens

3.7 Where specimens are being taken for more than one test procedure, intersperse the specimens on the sample as far as possible, for example by the use of random numbers designating positions on a grid.

3.8 If the sample contains more than one level of pile or use-surface, take specimens obeying the above rules in areas containing as far as possible only one level of pile or use-surface, and ensure that any treated or tested area lies entirely in an area of one thickness and at least 200 mm from any change in thickness.

4 Sampling report

The sampling report shall state:

- a) that the procedure specified in clause 3 was observed and details of any deviation from this procedure that occurred;
- b) whether the specimens were skewed or not;
- c) whether duplication of either warp or weft in the specimens occurred;
- d) whether the specimens contain more than one level of pile or use-surface, and the relation between the test results and particular levels of pile or use-surface.

Annex A (informative)

Machine made textile floor coverings — Selection and cutting samples for physical tests — Reference method

A.1 Scope and field application

This annex specifies the ideal procedure to be followed when samples are taken from a bulk supply of machine-made textile floor coverings, or from specially produced material, which are subsequently to be used for physical testing.

The procedure is applicable to machine-made textile floor coverings with or without pile.

A.2 Principle

Procedures are given for the selection of a sample from the bulk material in such a way that it is as representative of the bulk as possible.

A.3 Procedure

A.3.1 Take any sample across the whole production width of the product, excluding any portion normally trimmed off during the production process.

A.3.2 Examine the sample and note and record any physical variation across the sample. Such variations would include, for instance, rows of long or short tufts or variations in pile-lie or use-surface between different parts of the sample.

[ISO 1957:2000](https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-ISO 1957:2000)

<https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-ISO 1957:2000>

A.3.3 Where the sample is required to be square or rectangular in shape, cut it so that the edges are parallel to the warp and weft directions or, in certain types of textile floor covering, parallel and at right angles to the machine production direction. If the bulk material does not have a perfectly square construction, still cut the sample as described above and note the fact that a slightly skew sample is produced.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 1957:2000

<https://standards.iteh.ai/catalog/standards/sist/77d8508b-e5cd-40df-bf4f-30a807956ef1/iso-1957-2000>

ICS 59.080.60

Price based on 3 pages