



BSI Standards Publication

Textile floor coverings - Laboratory soiling tests

Part 2: Drum test

National foreword

This British Standard is the UK implementation of EN ISO 11378-2:2001+A1:2017. It is identical to ISO 11378-2:2001, incorporating amendment 1:2017. It supersedes BS EN ISO 11378-2:2001, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee PRI/3, Textile floor coverings.

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

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Amendments/corrigenda issued since publication

Date	Text affected
11 October 2001	Incorporating Annex ZA
28 February 2018	Implementation of ISO amendment 1:2017 with CEN endorsement A1:2017

English Version

Textile floor coverings - Laboratory soiling tests
- Part 2: Drum test - Amendment 1 (ISO 11378-
2:2001/Amd 1:2017)

Revêtements de sol textiles - Essais d'encrassement
en laboratoire - Partie 2: Essai au tambour -
Amendement 1 (ISO 11378-2:2001/Amd 1:2017)

Textile Bodenbeläge - Laboratoriums-
Anschmutzungsprüfungen - Teil 2: Trommelprüfung
(ISO 11378-2:2001/Amd 1:2017)

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European foreword

The text of the International Standard (ISO 11378-2:2001) has been prepared by Technical Committee ISO/TC 219 "Floor coverings" in collaboration with Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings", 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of an identical text or by endorsement, at the latest by November 2001, and conflicting national standards shall be withdrawn at the latest by November 2001.

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 11378-2:2001 was approved by CEN as a European Standard without any modification.

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

Foreword to amendment A1

This document (EN ISO 11378-2:2001/A1:2017) has been prepared by Technical Committee ISO/TC 219 "Floor coverings" in collaboration with Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings" the secretariat of which is held by NBN.

This Amendment to the European Standard EN ISO 11378-2:2001 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 11378-2:2001/Amd 1:2017 has been approved by CEN as EN ISO 11378-2:2001/A1:2017 without any modification.

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 (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 105-A02	1993	Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour	EN 20105-A02	1994
ISO 105-J01	1997	Textiles - Tests for colour fastness - Part J01: General principles for measurement of surface colour	EN ISO 105-J01	1999
ISO 139	1973	Textiles - Standard atmospheres for conditioning and testing	EN 20139	1992

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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 part of ISO 11378 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 11378-2 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

ISO 11378 consists of the following parts, under the general title *Textile floor coverings — Laboratory soiling tests*:

- *Part 1. Kappasoil test*
- *Part 2: Drum test*

[Annexes B](#) and [C](#) form a normative part of this part of ISO 11378. [Annexes A](#) and [D](#) are for information only.

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Textile floor coverings - Laboratory soiling tests —

Part 2: Drum test

1 Scope

1.1 This part of ISO 11378 describes the equipment and the test method for assessing the propensity of textile floor coverings to soiling in the absence of abrasive wear and texture changes using a standard artificial soil composition.

1.2 This test method is applicable for use in testing unused textile floor coverings of all types.

1.3 The scope of this test method can be extended to assess the effects of fibre finishes, cleaning chemicals and cleaning equipment (see [annex A](#)).

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 11378. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 11378 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

[ISO 105-A02:1993](#), *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

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

[ISO 139:1973](#), *Textiles — Standard atmospheres for conditioning and testing*

[ISO 1957](#), *Machine-made textile floor coverings — Selection and cutting of specimens for physical tests*

[ISO 9405](#), *Textile floor coverings — Assessment of changes in appearance*

[ISO 10361](#), *Textile floor coverings — Production of changes in appearance by means of Vettermann drum and hexapod tumbler testers*

[ISO 11379](#), *Textile floor coverings — Laboratory cleaning procedure using spray extraction*

3 Principle

Carpet test specimens are subjected to an accelerated soiling process. The degree of soiling is measured by calculating the change in colour between soiled and original textile floor covering, or by use of the large grey scales.