

Irish Standard I.S. EN ISO 9405:2017

Textile floor coverings - Assessment of changes in appearance (ISO 9405:2015)

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I.S. EN ISO 9405:2017

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National Foreword

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EUROPEAN STANDARD NORME EUROPÉENNE

EN ISO 9405

EUROPÄISCHE NORM

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Supersedes EN 1471:1996

English Version

Textile floor coverings - Assessment of changes in appearance (ISO 9405:2015)

Revêtements de sol textiles - Évaluation des changements d'aspect (ISO 9405:2015)

Textile Bodenbeläge - Beurteilung der Aussehensveränderung (ISO 9405:2015)

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European foreword

The text of ISO 9405:2015 has been prepared by Technical Committee ISO/TC 219 "Floor coverings" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9405:2017 by Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

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INTERNATIONAL STANDARD

ISO 9405

Second edition 2015-02-01

Textile floor coverings — Assessment of changes in appearance

Revêtements de sol textiles — Évaluation des changements d'aspect



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ISO 9405:2015(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 219, Floor coverings.

This second edition cancels and replaces the first edition (ISO 9405:2001), which has been technically revised.

Textile floor coverings — Assessment of changes in appearance

1 Scope

This International Standard describes the procedures for assessing the overall change in appearance of textile floor coverings caused by Vettermann drum and hexapod tumbler testers according to ISO 10361 and ISO 4918.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 105-A01, Textiles — Tests for colour fastness — Part A01: General principles of testing

ISO 105-A02, Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour

ISO 2424, Textile floor coverings — Vocabulary

ISO 4918, Resilient, textile and laminate floor coverings — Castor chair test

ISO 10361, *Textile Floor coverings* — *Production of changes in appearance by means of Vettermann drum and hexapod tumbler testers*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2424 and the following apply:

3.1

change in surface appearance

difference between a fatigued and an unfatigued specimen

Note 1 to entry: The degree of change is expressed by reference to standard digital image reference scales and by reference to large grey scales, grade 5 representing no change and grade 1 an extreme change.

Note 2 to entry: Changes in structure, roughness, colour, and/or pattern of a textile floor covering may contribute to change in appearance. It is not always possible to distinguish clearly between the factors since each can have an interaction with others.

3.2

change in structure

textural change

visible change in configuration of loops and tufts and/or fibres at the use-surface of a textile floor covering

3.3

loss of tuft definition

decrease of the pile definition caused by the bursting, opening, and untwisting of the pile yarn and/or decrimping of the fibres in the use-surface of a textile floor covering

3.4 crushing

flattening

loss of thickness of a textile floor covering under the action of a static or dynamic load



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