International Standard

ISO 10833

Textile floor coverings — Determination of resistance to damage at cut edges using the modified Vettermann drum test

Revêtements de sol textiles — Détermination de la résistance des joints par l'essai au tambour Vettermann modifié

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Foreword

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This document was prepared by Technical Committee ISO/TC 219, *Floor coverings,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 134, *Resilient, textile, laminate and modular mechanical locked floor coverings,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 10833:2017), which has been technically revised.

The main changes are as follows:

— addition of the definition for filamentation (see 3.6);

— inclusion of information on planks and how to cut them (see 6.1.3);

— revision of the evaluation of assessment and addition of criterium for filamentation (see Clause 9).

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Textile floor coverings — Determination of resistance to damage at cut edges using the modified Vettermann drum test

1 Scope

This document specifies a method to determine the susceptibility of textile floor coverings to mechanical damage at cut edges.

It is applicable to textile floor coverings both as broadloom materials and as tiles and planks.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 1957, *Machine-made textile floor coverings — Selection and cutting of specimens for physical tests*

ISO 2424, *Textile floor coverings — Vocabulary*

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 tester*

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
delamination
separation of the use-surface and primary substrate (or other foundation) of a textile floor covering from the secondary backing

3.2
fraying
damage or loss of pile or substrate material of a textile floor covering from a cut edge

3.3
tuft out
loss of tufts from the use-surface of a textile floor covering

3.4
sprouting
release and appearance during use of extra-long tuft legs, which were accidentally trapped within the pile of a textile floor covering during manufacture

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