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NSAI Standards

Irish Standard
I.S. EN ISO 10833:2019

Textile floor coverings - Determination of resistance to damage at cut edges using the modified Vettermann drum test (ISO 10833:2017)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10833

June 2019

ICS 97.150

Supersedes EN 1814:2005

English Version

Textile floor coverings - Determination of resistance to damage at cut edges using the modified Vettermann drum test (ISO 10833:2017)

Revêtements de sol textiles - Détermination de la résistance des joints par l'essai au tambour Vettermann modifié (ISO 10833:2017)

Textile Bodenbeläge - Bestimmung der Schnittkantenfestigkeit mit der modifizierten Vettermann-Trommelprüfung (ISO 10833:2017)

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Contents

Page

European foreword **3**

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European foreword

The text of ISO 10833:2017 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 10833:2019 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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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INTERNATIONAL STANDARD

ISO 10833

Third edition
2017-05

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

Reference number
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Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Principle **2**

5 Apparatus **2**

6 Sampling and preparation of specimens **3**

6.1 Sampling 3

6.1.1 General 3

6.1.2 Sheet materials 4

6.1.3 Tiles 4

6.2 Preparation of specimens 5

6.2.1 Sheet materials 5

6.2.2 Tiles 5

7 Atmosphere for conditioning and testing **5**

8 Procedures **5**

9 Assessment **6**

10 Test report **6**

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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.

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 voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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

This third edition cancels and replaces the second edition (ISO 10833:2001), which has been technically revised.

The main changes compared to the previous edition are as follows:

— the preparation (including the cutting) of the specimen in the case of sheet material have been updated;

— the assessment and evaluation of the fraying resistance characteristic have been updated.

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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 all textile floor coverings both as sheet materials and as tiles.

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 10361:2015, *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 terminological databases for use in standardization at the following addresses:

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

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

3.1
delamination
separation of the use-surface and/or foundation/primary substrate 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
tufting 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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