

Irish Standard I.S. EN ISO 12951:2020

Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO 12951:2020)

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I.S. EN ISO 12951:2020

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National Foreword

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EUROPEAN STANDARD

EN ISO 12951

NORME EUROPÉENNE

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June 2020

ICS 97.150

Supersedes EN ISO 12951:2015

English Version

Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO 12951:2020)

Revêtements de sol textiles - Détermination de la perte de masse, de la sensibilité au défibrage et du changement d'aspect au nez de marche à l'aide la machine Lisson Tretrad (ISO 12951:2020) Textile Bodenbeläge - Bestimmung des Masseverlustes, der Fasereinbindung und der Treppenkantenprüfung mittels Lisson-Tretradgerät (ISO 12951:2020)

This European Standard was approved by CEN on 14 May 2020.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 12951:2020 (E)

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EN ISO 12951:2020 (E)

European foreword

This document (EN ISO 12951:2020) 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 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of an identical text or by endorsement, at the latest by December 2020, and conflicting national standards shall be withdrawn at the latest by December 2020.

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INTERNATIONAL STANDARD

ISO 12951

Third edition 2020-05

Textile floor coverings — Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine

Revêtements de sol textiles — Détermination de la perte de masse, de la sensibilité au défibrage et du changement d'aspect au nez de marche à l'aide la machine Lisson Tretrad





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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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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 and laminate floor coverings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 12951:2015), which has been technically revised.

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

- two different methods are described for calibrating the apparatus;
- a better description of how to assess test C is provided;
- examples of failure are given in Annex A.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Textile floor coverings — Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine

1 Scope

This document specifies four methods of test for textile floor coverings (with or without an underlay, see <u>Clause 9</u>) using the Lisson Tretrad machine.

- test A: determination of mass loss of textile floor coverings, also used to assess fibre bind of synthetic pile carpets;
- test B: determination of stair nosing appearance change of textile floor coverings;
- test C: determination of fibre bind on synthetic loop pile carpets;
- test D: determination of fibre bind (hairiness) on needled floor coverings and floor coverings without pile.

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 1765, Machine-made textile floor coverings — Determination of thickness

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

ISO 2424, Textile floor coverings — Vocabulary

ISO 8543, Textile floor coverings — Methods for determination of mass

ISO 9405, Textile floor coverings — Assessment of changes in appearance

EN 1307:2014+A3:2018, Textile floor coverings — Classification

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:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/

3.1

mass loss per unit area

m..

difference between the sample mass before and after the wear test, related to the tested area

Note 1 to entry: See 10.1.



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