



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 12951:2015

# Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO 12951:2015)

**I.S. EN ISO 12951:2015**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 12951:2015 is the adopted Irish version of the European Document EN ISO 12951:2015, Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO 12951:2015)

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD

EN ISO 12951

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 59.080.60

Supersedes EN 1963:2007

English Version

## Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO 12951:2015)

Revêtements de sol textiles - Détermination de la perte de masse, de la sensibilité au défilage et du changement d'aspect au nez de marche à l'aide la machine Lisson Tretrad (ISO 12951:2015)

Textile Bodenbeläge - Bestimmung des Gewichtsverlustes, der Fasereinbindung und der Treppenkantenprüfung mittels Tretradgerät System Lisson (ISO 12951:2015)

This European Standard was approved by CEN on 6 August 2015.

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## **European foreword**

This document (EN ISO 12951:2015) has been prepared by 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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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

This document supersedes EN 1963:2007.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### **Endorsement notice**

The text of ISO 12951:2015 has been approved by CEN as EN ISO 12951:2015 without any modification.

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# **INTERNATIONAL STANDARD**

**ISO  
12951**

Second edition  
2015-09-15

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## **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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**ISO 12951:2015(E)**



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## ISO 12951:2015(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](http://www.iso.org/directives)).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 12951:1999), which has been technically revised.

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

## 1 Scope

This International Standard specifies four methods of test of textile floor coverings (with or without an underlay, see [Clause 9](#)) 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, 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 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, *Textile floor coverings — Classification of pile carpets*

## 3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions, in addition to those in ISO 2424, apply:

### 3.1

#### mass loss per unit area

$m_v$

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

Note 1 to entry: See [Clause 10](#).

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