

Resilient floor coverings - Determination of dimensional stability and curling (vertical deformation) after exposure to heat (ISO 23999:2025)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN ISO 23999:2025 sisaldab Euroopa standardi EN ISO 23999:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 03.12.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN ISO 23999:2025 consists of the English text of the European standard EN ISO 23999:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 03.12.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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English Version

## Resilient floor coverings - Determination of dimensional stability and curling (vertical deformation) after exposure to heat (ISO 23999:2025)

Revêtements de sol résilients - Détermination de la stabilité dimensionnelle et de l'incurvation (déformation verticale) après exposition à la chaleur (ISO 23999:2025)

Elastische Bodenbeläge - Bestimmung der Maßhaltigkeit und Schüsselung (vertikale Verformung) nach Wärmeeinwirkung (ISO 23999:2025)

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN ISO 23999:2025) has been prepared by Technical Committee ISO/TC 219 "Floor coverings" in collaboration with Technical Committee CEN/TC 134 "Resilient, textile, laminate and modular mechanical locked 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of an identical text or by endorsement, at the latest by June 2026, and conflicting national standards shall be withdrawn at the latest by June 2026.

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

This document supersedes EN ISO 23999:2021.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## Endorsement notice

The text of ISO 23999:2025 has been approved by CEN as EN ISO 23999:2025 without any modification.

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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.

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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 23999:2021), which has been technically revised.

The main changes are as follows:

- revision of terms and definitions;
- clarification on the deviation between devices used for either sheet or roll, or both, materials and rectangular shaped elements (squared tiles or long panels);
- inclusion of an explanation on the use of the so called “block and dial gauge apparatus” and minor changes to the figures and a new figure was added;
- inclusion of description of the preparation distinguishing sheet, roll materials and rectangular shaped elements (squared tiles or long panels);
- detailed calculation and expression of results can be found in new [Annex B](#).

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 <http://www.iso.org/members.html>.

# Resilient floor coverings — Determination of dimensional stability and curling (vertical deformation) after exposure to heat

## 1 Scope

This document specifies methods for determining dimensional stability and curling (vertical deformation) of resilient floor coverings in all forms (e.g. of sheets, tiles, panels, planks or in rolls) after exposure to either heat or after reconditioning, or both.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions 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 dimensional stability

ability of a resilient floor covering to retain its original linear dimensions after exposure to heat, determined by measuring the linear dimensional change in machine direction or across machine direction

Note 1 to entry: Retaining original linear dimensions includes no elongation or shrinking.

### 3.2 curling

vertical deformation

vertically concave (+) or convex (-) deformation from the horizontal

### 3.3 concave deformation

type of curling (vertical deformation) appearing as uplifted top surface at the outer edge of the specimen; given as positive value (+)

### 3.4 convex deformation

type of curling (vertical deformation) appearing as uplifted, domed top surface in the centre of the specimen; given as negative value (-)