

<b>STN</b>	<b>Pružné a textilné podlahové krytiny Stanovenie dĺžky strany, rovnosti hrán a pravouhlosti dlaždíc a dosiek (ISO 24342: 2024)</b>	<b>STN EN ISO 24342</b>  91 7805
------------	---	--

Resilient and textile floor-covering - Determination of side length, edge straightness and squareness of tiles and planks (ISO 24342:2024)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/24

Obsahuje: EN ISO 24342:2024, ISO 24342:2024

Oznámením tejto normy sa ruší  
STN EN ISO 24342 (91 7805) z júna 2019

**139195**

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024  
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD

**EN ISO 24342**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2024

ICS 97.150

Supersedes EN ISO 24342:2018

English Version

## Resilient and textile floor-covering - Determination of side length, edge straightness and squareness of tiles and planks (ISO 24342:2024)

Revêtements de sol résilients ou textiles -  
Détermination de la longueur des bords, de la rectitude  
des arêtes et de l'équerrage des dalles et des lames(ISO  
24342:2024)

Elastische und textile Bodenbeläge - Bestimmung der  
Kantenlänge, Rechtwinkligkeit und Geradheit von  
Platten und Dielen (ISO 24342:2024)

This European Standard was approved by CEN on 28 April 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



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

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

**EN ISO 24342:2024 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

## **European foreword**

This document (EN ISO 24342:2024) 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 January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.

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 24342:2018.

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 24342:2024 has been approved by CEN as EN ISO 24342:2024 without any modification.



# International Standard

**ISO 24342**

## **Resilient and textile floor coverings — Determination of side length, edge straightness and squareness of tiles and planks**

*Revêtements de sol résilients et textiles — Détermination de la longueur des bords, de la rectitude des arêtes et de l'équerrage des dalles et des lames*

**Fourth edition  
2024-06**

**ISO 24342:2024(en)****COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## ISO 24342:2024(en)

## Contents

Page

Foreword.....	iv
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 Principle.....</b>	<b>2</b>
<b>5 Apparatus.....</b>	<b>2</b>
5.1 Reference plate.....	2
5.2 Rigid metal or glass plate.....	3
5.3 Flat bedplate apparatus.....	3
5.4 Dial gauge, calliper gauge and/or thickness gauges.....	5
5.5 Movable dial gauges apparatus.....	5
<b>6 Sampling and selection of specimens.....</b>	<b>6</b>
<b>7 Atmosphere for conditioning and testing.....</b>	<b>6</b>
7.1 Resilient floor coverings.....	6
7.2 Textile floor coverings.....	7
<b>8 Procedure.....</b>	<b>7</b>
8.1 General.....	7
8.2 Side length.....	7
8.2.1 Gauge method.....	7
8.2.2 Movable dial gauge method.....	7
8.2.3 Sliding calliper method.....	8
8.3 Edge straightness.....	8
8.3.1 Thickness gauge method.....	8
8.3.2 Movable dial gauge method.....	8
8.4 Squareness.....	9
8.4.1 Thickness gauge method.....	9
8.4.2 Movable dial gauge method.....	9
<b>9 Calculation and expression of the results.....</b>	<b>9</b>
9.1 For flat bedplate apparatus (5.3) and thickness gauge (5.4).....	9
9.1.1 Side length.....	9
9.1.2 Edge straightness.....	9
9.1.3 Squareness.....	9
9.2 For the movable dial gauge apparatus.....	9
9.2.1 Tiles.....	9
9.2.2 Planks.....	9
9.3 For the sliding calliper apparatus.....	10
<b>10 Test report.....</b>	<b>10</b>
<b>Bibliography.....</b>	<b>12</b>

**ISO 24342:2024(en)****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 document 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)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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

For an explanation of 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 [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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 and textile 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 24342:2018), which has been technically revised.

The main changes are as follows:

- procedures have been modified to allow for differences between planks and tiles. Clauses 3, 4, 5, 8 and 9 have therefore been updated;
- uncertainty of measurement of the records defined by dial gauges method has been changed from 0,02 mm into 0,01 mm.

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](http://www.iso.org/members.html).

# **Resilient and textile floor coverings — Determination of side length, edge straightness and squareness of tiles and planks**

## **1 Scope**

This document specifies methods for determining side lengths, straightness of edges and squareness of square and/or rectangular resilient or textile floor tiles and planks.

## **2 Normative references**

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**