



# SLOVENSKI STANDARD SIST EN ISO 24342:2012

01-marec-2012

Nadomešča:  
SIST EN 427:1999

---

## Netekstilne in tekstilne talne obloge - Ugotavljanje stranske dolžine, ravnosti robov in pravokotnosti plošč (ISO 24342:2007)

Resilient and textile floor coverings - Determination of side length, edge, straightness and squareness of tiles (ISO 24342:2007)

Elastische und textile Bodenbeläge - Bestimmung der Kantenlänge, Rechtwinkligkeit und Geradheit von Platten (ISO 24342:2007)

Revêtements de sol résilients ou textiles - Détermination de la longueur des bords, de la rectitude des arêtes et de l'équerrage des dalles (ISO 24342:2007)

Ta slovenski standard je istoveten z: EN ISO 24342:2012

---

### **ICS:**

59.080.60	Tekstilne talne obloge	Textile floor coverings
97.150	Netekstilne talne obloge	Non-textile floor coverings

**SIST EN ISO 24342:2012** en,fr,de

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 24342:2012

<https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012>

EUROPEAN STANDARD

EN ISO 24342

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2012

ICS 97.150

Supersedes EN 427:1994

English Version

## Resilient and textile floor-coverings - Determination of side length, edge, straightness and squareness of tiles (ISO 24342:2007)

Revêtements de sol résilients ou textiles - Détermination de la longueur des bords, de la rectitude des arêtes et de l'équerrage des dalles (ISO 24342:2007)

Elastische und textile Bodenbeläge - Bestimmung der Kantenlänge, Rechtwinkligkeit und Geradheit von Platten (ISO 24342:2007)

This European Standard was approved by CEN on 17 December 2011.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/3a6929790318/sist-en-iso-24342-2012>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

**Contents**

Page

Foreword.....3

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

SIST EN ISO 24342:2012

<https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012>

## Foreword

The text of ISO 24342:2007 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 24342:2012 by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings” the secretariat of which is held by BSI.

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 July 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

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 427:1994.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

ITEH STANDARD PREVIEW  
(standards.iteh.ai)

Endorsement notice

The text of ISO 24342:2007 has been approved by CEN as a EN ISO 24342:2012 without any modification.

<https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 24342:2012

<https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012>

# INTERNATIONAL STANDARD

**ISO**  
**24342**

Second edition  
2007-09-01

---

---

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

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

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 24342:2012](https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012)

[https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-  
3a6929790318/sist-en-iso-24342-2012](https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012)



Reference number  
ISO 24342:2007(E)

© ISO 2007

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 24342:2012

<https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2007

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland



## Contents

Page

Foreword.....	iv
1 Scope .....	1
2 Terms and definitions.....	1
3 Principle .....	2
4 Apparatus .....	2
5 Sampling and selection of specimens.....	6
6 Atmosphere for conditioning and testing .....	7
7 Procedure .....	7
7.1 General.....	7
7.2 Side length.....	7
7.2.1 Gauge method.....	7
7.2.2 Movable dial gauge method.....	7
7.2.3 Sliding calliper method .....	7
7.3 Squareness.....	7
7.3.1 Thickness gauge method.....	7
7.3.2 Movable dial gauge method.....	8
7.4 Straightness .....	8
7.4.1 Thickness gauge method.....	8
7.4.2 Movable dial gauge method.....	8
8 Calculation and expression of the results .....	8
8.1 For thickness gauge apparatus.....	8
8.1.1 Side length.....	8
8.1.2 Squareness.....	8
8.1.3 Straightness .....	8
8.2 For movable dial gauge apparatus .....	8
8.3 For the sliding calliper apparatus .....	8
9 Precision statement.....	8
10 Test report .....	9
Bibliography .....	10

**ISO 24342:2007(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 24342 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

This second edition cancels and replaces the first edition (ISO 24342:2006), of which it constitutes a minor revision, with a view to include textile floor coverings in the scope. It also cancels and replaces ISO 13747:1999.

SIST EN ISO 24342:2012  
<https://standards.iteh.ai/catalog/standards/sist/3759abb6-93de-4dd7-b879-3a6929790318/sist-en-iso-24342-2012>

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

## 1 Scope

This International Standard describes methods for determining side lengths, straightness of edges and squareness of resilient or textile floor tiles.

The side lengths, straightness and squareness of resilient or textile floor tiles are important considerations because installed flooring will have an objectionable appearance if these performance criteria are not followed. This may cause the installed tiles to line up unevenly, producing unsightly seams and corners that do not match.

## 2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 2.1

#### squareness

measurement of the amount each corner of the tile deviates from  $90^\circ$

See Figure 1.

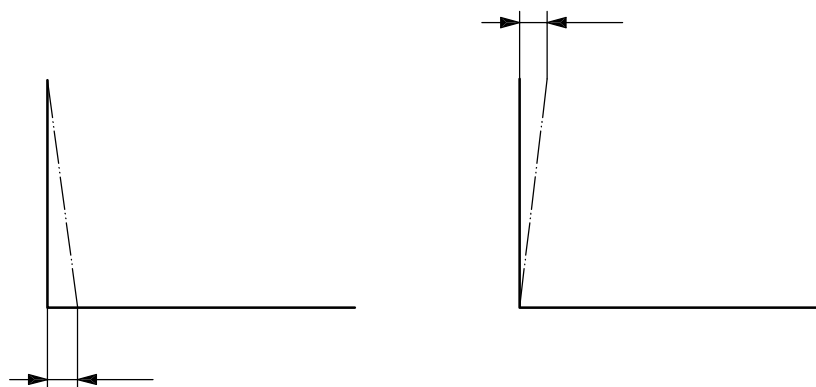


Figure 1 — Definition of squareness

### 2.2

#### straightness

property of an edge to be straight, unbent

See Figure 2.