



SLOVENSKI STANDARD

SIST EN 14159:2015

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Nadomešča:

SIST-TS CEN/TS 14159:2007

Tekstilne talne obloge - Dovoljene tolerance (linearnih) dimenzij preprog, tekačev, plošč in talnih oblog za popolno pokritje tal (od zidu do zidu) ter tolerance za ponovljivost vzorca

Textile floor coverings - Requirements for tolerances on (linear) dimensions of rugs, runners, carpet tiles and wall-to-wall carpet and for tolerances on pattern repeat

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Textile Bodenbeläge - Anforderungen an Toleranzen der (linearen) Maße von abgepassten Teppichen, Läufern, Teppichfliesen und Teppich-Bahnenware und des Musterrapports

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Revêtements de sol textiles - Exigences relatives aux tolérances sur les dimensions (linéaires) des tapis, passages, dalles de moquette et moquettes et aux tolérances sur le raccord de dessin

Ta slovenski standard je istoveten z: EN 14159:2014

ICS:

59.080.60 Tekstilne talne obloge Textile floor coverings

SIST EN 14159:2015

en,fr,de

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EUROPEAN STANDARD

EN 14159

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2014

ICS 59.080.60

Supersedes CEN/TS 14159:2007

English Version

Textile floor coverings - Requirements for tolerances on (linear) dimensions of rugs, runners, carpet tiles and wall-to-wall carpet and for tolerances on pattern repeat

Revêtements de sol textiles - Exigences relatives aux tolérances sur les dimensions (linéaires) des tapis, passages, dalles de moquette et moquettes et aux tolérances sur le raccord de dessin

Textile Bodenbeläge - Anforderungen an Toleranzen der (linearen) Maße von abgepassten Bodenbelägen, Läufern, Fliesen und Bahnenware und des Musterrapports

This European Standard was approved by CEN on 16 November 2014.

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, 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 United Kingdom.



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 SIST EN 14159:2015

Foreword

This document (EN 14159:2014) has been prepared by 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 June 2015 and conflicting national standards shall be withdrawn at the latest by June 2015.

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 CEN/TS 14159:2007.

In comparison with CEN/TS 14159:2007, the document has been revised editorially.

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.

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Introduction

Owing to influences of the production process on the structure, textile floor coverings may show variations in size and distortion. However, in many cases, certain discrepancies can be eliminated by professional and careful installation. By open communication between manufacturer and installer, an agreement can be found between what is technically possible in manufacturing, and at the same time technically workable during installation.

The maximum distortions in pattern repeat specified in this European Standard are applicable only to carpets with certain design styles ex-factory.

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1 Scope

This European Standard specifies the maximum accepted tolerances on the dimensions and distortions in pattern, of rugs, runners, carpet tiles and wall-to-wall carpet.

NOTE These tolerances do not affect the functional characteristics of the textile floor covering.

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 2424:2007, *Textile floor coverings — Vocabulary*

ISO 3018, *Textile floor coverings — Rectangular textile floor coverings — Determination of dimensions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2424:2007 and the following apply.

3.1

arcing

arcing of the carpet roll itself in the production direction when unrolled

Note 1 to entry: See Figure 5.

3.2

linear pattern distortion

displacements of the pattern widthways so that alignment of repeated design features in the production direction are not parallel with the edge of the carpet

Note 1 to entry: See Figure 3.

3.3

bowing

displacement of the pattern alignment across the width of the carpet so that repeated design features are displaced from a line at right angles to the direction of production

Note 1 to entry: This displacement is usually at its greatest extent in the centre of the carpet width.

Note 2 to entry: See Figure 2.

3.4

length

<rugs> linear dimension of the longest side

3.5

length

<carpet roll> linear dimension parallel to the direction of production

3.6

pattern repeat

smallest part of the pattern that contains all its characteristics

EN 14159:2014 (E)**3.7****skewing**

situation in which lines drawn through repeated design features both parallel to and perpendicular to the production direction are not at right angles to each other

Note 1 to entry: See Figure 4.

3.8**width**

<rugs> linear dimension of the shortest side

3.9**width**

<carpet rolls> linear dimension at right angles to the production direction

4 Apparatus**4.1 Length measuring device**

The device shall be capable of measuring to an accuracy of

- for dimensions $\leq 1,0$ m: 1 mm.
- for dimensions $> 1,0$ m and $< 5,0$ m: 5 mm.
- for dimensions $\geq 5,0$ m: 10 mm.

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4.2 Dividers**4.3 Drawing device**

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The device shall be capable of describing a datum line across the width of the carpet at 90° to the edge of the carpet.

5 Procedure**5.1 Measurement of dimensions**

Lay the rug or carpet roll out flat, use surface uppermost. Use the length measuring device (4.1) and the dividers (4.2), if appropriate, to measure the length (l_x) and the width, (l_y), in accordance with ISO 3018.

5.2 Measurement of pattern distortion**5.2.1 General**

Each of the following measurements can be made either on the face (tufted carpet) or back (woven carpet) of the unrolled carpet.

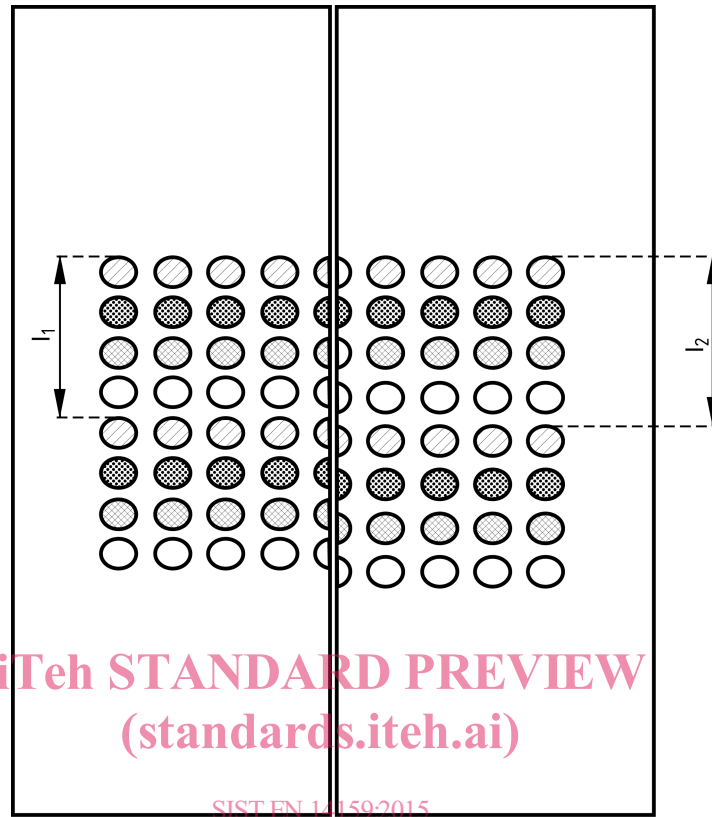
5.2.2 Distortion in pattern repeat

Measure the distortion in pattern repeat length as the distance between a line drawn across the carpet at the maximum extent of the pattern (l_1), and an equivalent line drawn across the carpet at the minimum extent of the corresponding pattern (l_2). Figure 1 shows an example of measurement of the distortion in pattern repeat length.

Measure the maximum deviation to the appropriate accuracy (see 4.1) over n pattern repeats and over a length of at least 1 m.

The distortion (mm) is given by $(l_2 - l_1)$.

The measurements should be repeated in a number of positions throughout the carpet and all results quoted.



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Figure 1 — Pattern repeat

5.2.3 Bowing

Use the device described in 4.3 to draw a line perpendicular to the machine direction edge of the carpet. The line should be drawn perpendicular to the edge at a convenient reference point, i.e. one particular part of the pattern repeat that can be traced across the width of the carpet.

Use the length measuring device (4.1) and dividers (4.2) to measure the maximum deflection (a_q) to the appropriate accuracy (see 4.1), as shown in Figure 2.

The measurements should be repeated in a number of positions throughout the carpet and all results quoted.