



SLOVENSKI STANDARD
kSIST FprEN 14159:2014
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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

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

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: FprEN 14159

ICS:

59.080.60 Tekstilne talne obloge Textile floor coverings

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This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 134.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (FprEN 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 document is currently submitted to the Unique Acceptance Procedure.

This document will supersede CEN/TS 14159:2007.

Significant changes:

- the tolerance on the length of wall-to-wall carpet has been changed from “+ 1,0 % / - 0 %” to “+ 1,0 % / - 1,0 %” (Table 1, row 3, column 3)

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.

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 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 (carpet roll)

arcing of the carpet roll itself in the production direction when unrolled (Figure 5)

3.2

linear pattern distortion (in direction of production)

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 (Figure 3)

3.3

bowing (at right angles to direction of production)

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. This displacement is usually at its greatest extent in the centre of the carpet width (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

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 (Figure 4)

3.8

width (rugs)

linear dimension of the shortest side

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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 < 1,0 m: 1 mm.
- for dimensions > 1,0 m and < 5,0 m: 5 mm.
- for dimensions ≥ 5,0 m: 10 mm.

4.2 Dividers

4.3 Drawing device

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.

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.