



**NSAI**  
Standards

Irish Standard  
I.S. EN 14159:2014

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

**I.S. EN 14159:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

EN 14159:2014

*Published:*

2014-12-17

*This document was published under the authority of the NSAI and comes into effect on:*

2015-01-19

ICS number:

59.080.60

NOTE: If blank see CEN/CENELEC cover page

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

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.



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>		<b>Page</b>
Foreword.....		<b>3</b>
Introduction .....		<b>4</b>
<b>1</b> <b>Scope</b> .....		<b>5</b>
<b>2</b> <b>Normative references</b> .....		<b>5</b>
<b>3</b> <b>Terms and definitions</b> .....		<b>5</b>
<b>4</b> <b>Apparatus</b> .....		<b>6</b>
4.1 <b>Length measuring device</b> .....		<b>6</b>
4.2 <b>Dividers</b> .....		<b>6</b>
4.3 <b>Drawing device</b> .....		<b>6</b>
<b>5</b> <b>Procedure</b> .....		<b>6</b>
5.1 <b>Measurement of dimensions</b> .....		<b>6</b>
5.2 <b>Measurement of pattern distortion</b> .....		<b>6</b>
5.2.1 <b>General</b> .....		<b>6</b>
5.2.2 <b>Distortion in pattern repeat</b> .....		<b>6</b>
5.2.3 <b>Bowing</b> .....		<b>7</b>
5.2.4 <b>Linear pattern distortion</b> .....		<b>8</b>
5.2.5 <b>Skewing of pattern</b> .....		<b>9</b>
5.2.6 <b>Arcing</b> .....		<b>9</b>
<b>6</b> <b>Required tolerances and deviations</b> .....		<b>10</b>
6.1 <b>Dimensions</b> .....		<b>10</b>
6.2 <b>Pattern repeat and distortion</b> .....		<b>11</b>
6.3 <b>Arcing of the carpet roll</b> .....		<b>11</b>
<b>Bibliography</b> .....		<b>12</b>

## **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.

**EN 14159:2014 (E)**

## **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 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

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-