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**oSIST prEN 14215:2024**  
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**Tekstilne talne obloge - Specifikacija preprog in tekačev**

Textile floor coverings - Specification of rugs and runners

Textile Bodenbeläge - Klassifizierung von maschinengefertigten Teppichen und Läufern

Revêtements de sol textiles - Spécification des carpettes et passages

**Ta slovenski standard je istoveten z: prEN 14215**

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## Textile floor coverings - Specification of rugs and runners

Revêtements de sol textiles - Classification des  
carpettes et passages à velours manufacturés

Textile Bodenbeläge - Klassifizierung von  
maschinengefertigten Teppichen und Läufern

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

If this draft becomes a European Standard, 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
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## European foreword

This document (prEN 14215:2024) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile, laminate and modular mechanical locked floor coverings”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 14215:2018.

prEN 14215:2024 includes the following significant technical changes with respect to EN 14215:2018:

- Title of document: Classification of rugs and runners has been changed into Specification of machine-made rugs and runners ; Deleted “machine-made” from title.
- Clause 1 Scope: classification has been changed into level of use intensity.
- Clause 2 Normative references: general update and included publication dates of referred norms.
- Clause 3 Terms and definitions: definitions of abbreviations deleted, added definitions of needed floor coverings.
- Table 1 Characteristics: tolerances aligned with Table 2 of EN 1307:2014+A3:2018. Changed footnote of table.
- Clause 4 Identification requirements: aligned with EN 1307:2014+A3:2018.
- Clause 5 Table 2 Basic requirements: modified basic requirements.
- Clause 6 Classification for level of use intensity: classification scheme changed in Level of use intensity with suitability for areas of use requirements.
- Table 4 Luxury rating classes: requirements aligned with Table 18 of EN 1307:2014+A3:2018.
- Annex A Criteria for the assessment of stair suitability: aligned with Annex C of EN 1307:2014+A3:2018.

**prEN 14215:2024 (E)****1 Scope**

This document specifies requirements for woven, tufted, knitted, needled, flocked, bonded, hand-tufted rugs and runners, including a level of use intensity and luxury.

This document is not applicable to hand-knotted rugs and runners, to barrier mats or to bathroom rugs.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 984:2001, *Textile floor coverings – Determination of the mass per unit area of the use surface of needled floor coverings*

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*

EN 14499, *Textile floor coverings – Minimum requirements for carpet underlays*

EN ISO 105-B02:2014, *Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:2014)*

EN ISO 105-E01:2013, *Textiles - Tests for colour fastness - Part E01: Colour fastness to water (ISO 105-E01:2013)*

EN ISO 105-X12:2016, *Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing (ISO 105-X12:2016)*

EN ISO 9405:2017, *Textile floor coverings - Assessment of changes in appearance (ISO 9405:2015)*

ISO 1763:2020, *Textile floor coverings - Determination of number of tufts and/or loops per unit length and per unit area*

ISO 1765:1986, *Machine-made textile floor coverings - Determination of thickness*

ISO 1766:1999, *Textile floor coverings - Determination of thickness of pile above the substrate*

ISO 2424:2007, *Textile floor coverings - Vocabulary*

ISO 4919:2012, *Carpets - Determination of tuft withdrawal force*

ISO 8543:2020, *Textile floor coverings - Methods for determination of mass*

ISO 10361:2015, *Textile floor coverings – Production of changes in appearance by means of Vettermann drum and hexapod tumbler tester*

**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

#### **nominal value**

value stated by the manufacturer

### 3.2

#### **flat needled floor covering type A1**

##### **flat needled homogeneous floor covering**

flat needled floor covering with one visible layer

Note 1 to entry: Layers such as secondary backing are also taken into consideration for the determination of the number of layers.

### 3.3

#### **flat needled floor covering type A2**

flat needled floor covering with more than one visible layer, the bonding compound of which does not reach the top of the use surface

Note 1 to entry: Layers such as secondary backing are also taken into consideration for the determination of the number of layers.

### 3.4

#### **flat needled floor covering type A3**

flat needled floor covering with more than one visible layer the bonding compound of which is present throughout its thickness

Note 1 to entry: Layers such as secondary backing are also taken into consideration for the determination of the number of layers.

### 3.5

#### **pile needled floor coverings type B1**

needled textile floor covering with pile in which the use-surface is composed of entangled fibres bonded together by a mechanical and a chemical process, of which the mechanical bonding system is a consolidation of a batt of fibres through entanglement by multiple penetrations of barbed needles in one or more (visible) layers and needles are used for structuring this pre-needled felting material, the use surface is either a geometric or linear design, a velours or a rib pattern

### 3.6

#### **pile needled floor coverings type B2**

needled textile floor covering with pile in which the use-surface is composed of entangled fibres bonded together by a mechanical and a chemical process, of which the mechanical bonding system is a consolidation of a batt of fibres through entanglement by multiple penetrations of barbed needles in one or more (visible) layers and mechanically brushing machines are being used for structuring this pre-needled felting material, resulting in a roughened surface with relatively long and coarse protruding fibres and for which the bonding system is applied to the back

### 3.7

#### **pile needled floor coverings type B3**

needled textile floor covering in which the use-surface is composed of fibre spheres bonded together by a mechanical and a chemical process, the chemical bonding system being incorporated in the backing

## 4 Identification requirements

This clause specifies the requirements for the identification of the product and tolerances for the identifying properties.

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The following information shall be provided in accordance with the terms and definitions according to ISO 2424:2007 and in accordance with the list of references in Annex B:

- commercial name,
- composition of use surface (see Annex B, Table B.2.5),
- type of manufacture (see Annex B, Table B.2.1),
- type of surface (see Annex B, Table B.2.2),
- type of primary backing, if applicable (see Annex B, Table B.2.3),
- type of additional backing if applicable (see Annex B, Table B.2.4).

The nominal values of the characteristics shall be declared as listed in Table 1 using the test methods specified therein. The tolerances of the characteristics shall be in accordance with Table 1.

**Table 1 — Identification characteristics**

Characteristics	Test method / Reference	Tolerances (to nominal value)	Applicable for (X means applicable)			
			Carpets with pile	Carpets without pile	Flat needed	Pile needed
Fibre composition of use-surface	Table B.2.5 Ref 5.		X	X	X	X
Dimensions	EN 14159:2014	EN 14159:2014 Table 1	X	X	X	X
Total thickness (in mm)	ISO 1765:1986	+15 % / -10 %	X	X	X	X
Total mass per unit area (in g/m <sup>2</sup> )	ISO 8543:2020	± 15 %	X	X	X	X
Effective pile mass / Mass of pile per unit area above the substrate (in g/m <sup>2</sup> )	ISO 8543:2020 EN 984:2001	+15 % / -10 %	X			Type B2, B3
Number of tufts/loops per unit area (/m <sup>2</sup> )	ISO 1763:2020	+10 % / -7,5 %	X			

**5 Basic requirements**

All rugs and runners shall meet the basic requirements as specified in Table 2, tested in accordance with the test methods therein.

**Table 2 — Basic requirements**

Characteristics	Test methods	Requirements
Colour fastness to light <sup>a</sup> - man-made fibres - natural fibres	EN ISO 105-B02:2014, using Exposure cycle 1 (Table 2) and Exposure method 2 (par. 8.3.3)	≥ 5 ≥ 4



Characteristics	Test methods	Requirements
Colour fastness to rubbing - wet - dry	EN ISO 105-X12:2016	≥ 3 ≥ 3 – 4
Colour fastness to Water (change in colour)  - uni coloured - other than uni coloured Water (staining) - all colours	EN ISO 105-E01:2013, using multifibre adjacent fabric (par. 4.3.1)	≥ 3 – 4 ≥ 4 ≥ 2 - 3 <sup>a</sup>
Tuft withdrawal force: - woven cut pile - tufted cut pile - woven loop pile - tufted loop pile - cross-over	ISO 4919:2012	≥ 3,0 N ≥ 10,0 N ≥ 10,0 N ≥ 20,0 N ≥ 5,0 N (with no individual result below 50 % of the above minimum requirement)
<sup>a</sup> Conformity may be declared by supplier for each of the colour range of the specified product.		

## 6 Level of use intensity

Rugs and runners will be suitable for the level of use intensity when in accordance with the basic requirements of Clause 5 (for all levels of use) and in accordance with the requirements for change of appearance of Table 3.

The change in appearance is determined in accordance with EN ISO 10361:2015 Method A using the Vettermann drum tester or EN ISO 10361:2015 Method B using the Hexapod tumbler tester, both using the number of cycles for short term tests. The tested specimens shall be assessed in accordance with EN ISO 9405:2017 and the median grade for change in appearance shall meet the requirements specified in Table 3.

The use of an underlay is optional but shall always be mentioned in the reporting. If the rug or runner is to be tested over an underlay, the underlay shall have a work compression of  $(175 \pm 25)$  J/m<sup>2</sup> in accordance with EN 14499.

**Table 3 — Level for use intensity – Change in appearance – Requirements**

Level of use	Test methods	Assessment method	Requirements
Suitable for use in domestic areas	EN ISO 10361:2015 Method A (Vettermann drum) at 5000 revolutions or EN ISO 10361:2015 Method B (Hexapod) at 4000 revolutions	EN ISO 9405:2017	≥ 2

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Level of use	Test methods	Assessment method	Requirements
Suitable for occasional use in commercial areas	EN ISO 10361:2015 Method A (Vettermann drum) at 5000 revolutions or EN ISO 10361:2015 Method B (Hexapod) at 4000 revolutions	EN ISO 9405:2017	≥ 3
Suitable for intensive use in commercial areas	EN ISO 10361:2015 Method A (Vettermann drum) at 5000 revolutions or EN ISO 10361:2015 Method B (Hexapod) at 4000 revolutions	EN ISO 9405:2017	≥ 3,5

**7 Luxury rating requirements**

Rugs and runners shall be classified as specified in Table 4.

**Table 4 — Luxury rating class**

Luxury rating class	Test method	Requirement (in g/m <sup>2</sup> )	Conformity without testing
LC1	ISO 8543:2020 / EN 984:2001	≤ 400	- Carpets without pile - Flat needled carpets types A1/A2/A3
LC2		> 400	- Pile needled carpets type B3
LC3		> 600	
LC4		> 800	
LC5		> 1000	

**8 Additional performance properties**

The following additional performance properties may be made for products described in this document, based on the characteristics and corresponding requirements in Table 5.

**Table 5 — Additional performance properties**

Characteristics	Test methods	Requirements
Castor chair suitability - Intensive use - Occasional use	EN ISO 4918:2021, textile floor coverings (par. 9.1.5) Test A	r ≥ 2,4 r ≥ 2,0
Suitability for use on stairs (runners only)	EN ISO 12951:2020 Test B	As described in Annex A

**9 Report**

The results taken from the test reports of the individual test required for specification of rugs and runners shall be summarized as shown in Annex B.