
Tekstilne talne obloge - Minimalne zahteve za iglane talne obloge za enkratno uporabo v primerih omejenega trajanja

Textile floor coverings - Minimum requirements for needled floor coverings for single usage in events of limited duration

Textile Bodenbeläge - Mindestanforderungen für Nadelvlies-Bodenbeläge im Fall von Veranstaltungen mit begrenzter Dauer

Revêtements de sol textiles - Exigences minimales relatives aux revêtements de sol aiguilletés à usage unique pour événements de durée limitée

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59.080.60

Tekstilne talne obloge

Textile floor coverings

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EUROPEAN STANDARD
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English Version

Textile floor coverings - Minimum requirements for needled floor coverings for single usage in events of limited duration

Revêtements de sol textiles - Exigences minimales
relatives aux revêtements de sol aiguilletés à usage unique
pour événements de durée limitée

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Nadelvlies-Bodenbeläge im Fall von Veranstaltungen mit
begrenzter Dauer

This European Standard was approved by CEN on 11 May 2012.

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STANDARD PREVIEW
(standards.itech.ai)

Foreword

This document (EN 15772:2012) has been prepared 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of an identical text or by endorsement, at the latest by December 2012, and conflicting national standards shall be withdrawn at the latest by December 2012.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.

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EN 15772:2012 (E)**1 Scope**

This European Standard specifies the minimum requirements for needled floor coverings in sheet form for single usage in events of limited duration. These floor coverings are intended to be adhered to the substrate.

This European Standard is both applicable to needled pile floor coverings for single usage in events of limited duration and needled floor coverings without pile for single usage in events of limited duration.

This European Standard is not applicable to tiles.

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.

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

EN 985:2001, *Textile floor coverings — Castor chair test*

EN 1269, *Textile floor coverings — Assessment of impregnations in needled floor coverings by means of a soiling test*

EN 1318, *Textile floor coverings — Determination of the apparent effective thickness of the backing*

EN 1963, *Textile floor coverings — Tests using the Lisson Tretrad Machine*

CEN/TS 14159, *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*

CEN/TS 15398, *Resilient, textile and laminate floor coverings — Floor covering standard symbols*

EN ISO 105-B02, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:1994, including amendment 1:1998)*

EN ISO 845, *Cellular plastics and rubbers — Determination of apparent density (ISO 845)*

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

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

ISO 2551, *Machine-made textile floor coverings — Determination of dimensional changes due to the effects of varied water and heat conditions*

ISO 6356, *Textile floor coverings — Assessment of static electrical propensity — Walking test*

ISO 8543, *Textile floor coverings — Methods for determination of mass*

ISO 11379, *Textile floor coverings — Laboratory cleaning procedure using spray extraction*

3 Terms and definitions

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

4 Description of categories and level of use

4.1 Needed floor coverings categories

Needed floor coverings for single usage in events of limited duration shall be distributed in three categories.

- Type 1: one visible layer (homogeneous product);
- Type 2: more than one visible layer, the bonding compound of which does not reach the top of the use surface;
- Type 3: more than one visible layer, the bonding compound of which is present throughout its thickness.

NOTE Layers such as secondary backing are also to be taken in consideration for the determination of the number of layers.

4.2 Level of use

Needed textile floor coverings are classified as suitable for single usage in events of limited duration in accordance with the performance requirements specified in Clause 7.

5 Identification requirements

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

The producer shall provide the following information in accordance with the definitions given in ISO 2424:

- commercial references; [SIST EN 15772:2012](https://standards.iteh.ai/catalog/standards/sist/d2c4244-0b04-4c9a-af4b-403870832124/sist-en-15772-2012)
- type of bonding (full impregnation or back coated); <https://standards.iteh.ai/catalog/standards/sist/d2c4244-0b04-4c9a-af4b-403870832124/sist-en-15772-2012>
- type of backing.

The producer shall also declare the values of the characteristics listed in Table 1.

Table 1 — Identification requirements

Characteristics	Test methods	Tolerances
Fibre composition of use surface	European Directives 96/73/EC, 96/74/EC and 73/44/EEC	
Dimensions	CEN/TS 14159	CEN/TS 14159
Total thickness mm	ISO 1765	Nominal $\pm 15\%$ ^a
Total mass per unit area g/m ²	ISO 8543	Nominal mass $\pm 15\%$
Mass per unit area of the use-surface (for type 2 and type 3 product) g/m ²	EN 984	Nominal mass $\pm 15\%$
Foam backing (if applicable)		
♦ apparent thickness mm	EN 1318	Nominal $\pm 0,5\text{ mm}$
♦ apparent density g/cm ³	EN ISO 845	
^a For products with total thickness $\leq 3,5\text{ mm}$: tolerance maximum $\pm 0,5\text{ mm}$		

6 Basic requirements

Needled floor coverings for single usage in events of limited duration shall conform to the basic requirements specified in Table 2.

Table 2 — Basic requirements

Characteristics	Requirements	Test methods
Dimensional stability	Shrinkage $\leq 1,2\%$ in either direction Extension $\leq 0,5\%$ in either direction	ISO 2551
Assessment of impregnations	≥ 2	EN 1269
Colour fastness to light ^a	≥ 4	EN ISO 105-B02
Hairiness (pilling)	$\geq 2,5$ ^b	EN 1963 – Test D
^a Conformity to be declared by the manufacturer for each colour ^b Tested production-wise and cross-wise, worst result decisive.		

7 Level of use classification

7.1 General

Needed floor for single usage in events of limited duration are classified taking into account general structural integrity. The change in appearance and wear resistance are not considered to be a classification property for needed floor coverings for single usage in events of limited duration.

7.2 General structural integrity

The general structural integrity of a specimen tested according to test C from EN 985 shall show no destruction such as described in EN 985:2001, 9.3 after 5 000 cycles.

8 Additional characteristics

8.1 Additional claims

Additional claims may be made for products described in this European Standard.

The product is considered to be antistatic if it meets the following requirement: taking into account the cleaning requirements from 8.2, the tested specimen shall have a body voltage of $\leq 2,0$ kV as the result of tests according to ISO 6356 at 25 % relative humidity and 20 °C with any of the listed soles.

8.2 Cleaning requirements (standards.iteh.ai)

For textile antistatic floor coverings, a washing and cleaning procedure similar to that used in practice is required where applicable to verify the durability of surface antistatic treatments.

In such cases the specimens to be tested shall be subjected to the laboratory spray extraction cleaning procedure according to ISO 11379 with the following modifications.

Clean the test specimens three times, with an interval of $2\text{ h} \pm 15\text{ min}$ between cycles, each cleaning cycle consisting of two strokes:

- for the first stroke use the spray extraction machine with simultaneous spray and extraction;
- for the second stroke operate the machine only as an extraction machine.

Carry out the first cleaning cycle using the reference cleaning solution at ambient temperature $25\text{ °C} \pm 10\text{ °C}$ and the second and third cleaning cycle with water at ambient temperature without any addition of chemicals.

After this, the test shall be repeated and the requirements satisfied.

9 Report

The results taken from the test reports of the individual tests required for classification shall be summarized as shown in Annex A.

The contents of the report should be regarded as normative, not the lay-out.