



SLOVENSKI STANDARD
SIST EN 1470:1999
01-marec-1999

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HJb]` `cV`c[

Textile floor coverings - Classification of needled floor coverings except for needled pile floor coverings

Textile Bodenbeläge - Einstufung von Nadelvlies-Bodenbelägen ausgenommen Polvlies-Bodenbeläge

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Revetements de sol textiles - Classement des revêtements de sol aiguilletés à l'exception des moquettes aiguilletées

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Ta slovenski standard je istoveten z: EN 1470:1997

ICS:

59.080.60 Tekstilne talne obloge Textile floor coverings

SIST EN 1470:1999 **en**

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EUROPEAN STANDARD

EN 1470

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 1997

ICS

Descriptors: floor coverings, textile floor coverings, needled floor covering, specifications, designation, characteristics, classifications, wear resistance, appearance, colourfastness

English version

Textile floor coverings - Classification of needled floor coverings except for needled pile floor coverings

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This European Standard was approved by CEN on 26 September 1997.

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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 Central Secretariat has the same status as the official versions.

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

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Contents

Foreword.....

1 **Scope**

2 **Normative references**

3 **Definitions**

4 **Description of levels of use**

5 **Identification requirements**

6 **Basic requirements (table 3)**.....

7 **Classification requirements**

8 **Additional characteristics**

Annex A (normative) Additional specification for tiles.....

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 134 " Resilient and textile 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 April 1998, and conflicting national standards shall be withdrawn at the latest by April 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard describes and specifies needed floor coverings in sheet form including use classification according to wear and appearance retention. These floor coverings are intended to be bonded to the substrate.

This standard is also applicable to tiles ; the additional requirements for which are given in annex A.

This standard is not applicable to needed pile floor coverings.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 984	Determination of the mass per unit area of the use surface of needed floor coverings
EN 985	Textile floor coverings - Castor chair test
EN 986	Textile floor coverings - Tiles - Determination of dimensional changes due to the effects of varied water and heat conditions, and distortion out of plane
EN 994	Textile floor coverings - Determination of the side length, squareness and straightness of tiles
EN 995	Textile floor coverings - Assessment of the creep of the backings
EN 1269	Textile floor coverings - Assessment of impregnations in needed floor coverings by means of a soiling test
EN 1307	Textile floor coverings - Classification of pile carpets
EN 1318	Textile floor coverings - Determination of the apparent effective thickness of backing
prEN 1814	Textile floor coverings - Determination of resistance to damage at cut edges using the modified Vetterman drum test.
prEN 1815	Resilient floor coverings - Assessment of static electrical propensity.
EN 1963	Textile floor coverings - Tests using the Lisson Tretrad machine.

EN ISO 105-A01	1995	Textiles - Tests for colour fastness - Part A01 : General principles of testing (ISO 105-A01 : 1994).
EN ISO 105-E01	1996	Textiles - Test for colour fastness - Part E01 : Colour fastness to water (ISO 105-E 01 : 1994)
EN ISO 105-X12	1995	Textiles - Test for colour fastness - Part X12 : Colour fastness to rubbing (ISO 105-X12 : 1993)
ISO 105-B02	1994	Textiles - Tests for colour fastness - Part B02 : Colour fastness to artificial light : Xenon arc fading lamp test.
ISO 140-8	1978	Acoustics - Measurement of sound insulation in buildings and of buildings elements - Part 8 : Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a standard floor
ISO 354	1985	Acoustics - Measurement of sound absorption in a reverberation room
ISO 717-2	1982	Acoustics - Rating of sound insulation in buildings and of building elements - Part 2 : Impact sound insulation
ISO 1765		Machine-made textile floor coverings - Determination of thickness
ISO 2424		Textile floor coverings - Vocabulary
ISO 2551	1981	Machine-made textile floor coverings - Determination of dimensional changes due to the effects of varied water and heat conditions
ISO 3018		Textile floor coverings - Rectangular textile floorcoverings - Determination of dimensions
ISO 3415		Textile floor coverings - Determination of thickness loss after brief, moderate static loading
ISO 8543		Textile floor coverings - Methods for determination of mass
ISO 8302	1991	Thermal insulation - Determination of steady-state thermal resistance and related properties - Guarded hot plate apparatus
ISO/DIS 10965		Textile floor coverings - Determination of electrical resistance

3 Definitions

For the purposes of this standard the definitions given in ISO 2424 and the following definitions apply :

3.1 back coated needled floor coverings : Needled floor coverings where the bonding compound is applied to the back of the needled floor covering and does not reach the use surface, the bonding compound is present only in the lower part of the needled floor coverings.

3.2 fully impregnated needled floor covering : The needled floor covering is totally immersed in the bonding compound so that in the finished product the bonding compound is present throughout the thickness of the needlefelt.

4 Description of levels of use

Textile floor coverings are classified as suitable for different levels of use in accordance with the performance requirements specified in clause 7.

The different levels of use are described in table 1.

Table 1

Level of use class	Use intensity	Examples of use	
		Domestic	Commercial
1	light use	light domestic	
2	general use	normal domestic	
3	heavy use	heavy domestic	general contract
4	extra-heavy use		heavy contract

NOTE : In very demanding commercial environments, class 4, should be used as the basis to which additional requirements are added to provide an individual full specification.

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 in ISO 2424

- commercial references ;
- type of bonding (full impregnation or back coated) ;
- type of backing according to ISO 2424 if applicable ;
- type of manufacture (homogeneous or heterogeneous, see ISO 2424 and EN 984)

and shall declare the values of the characteristics in table 2.

Table 2

Characteristics	Test methods	Tolerances
Fiber composition of use surface	EN 1307	
Dimensions	ISO 3018	
Total thickness mm	ISO 1765	
Total mass per unit area g/m ²	ISO 8543	nominal mass \pm 15 %
Mass per unit area of the use-surface (for heterogeneous product) g/m ²	EN 984	nominal mass \pm 15 %
Apparent thickness of foam backing mm	EN 1318	nominal \pm 0,5 mm

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6 Basic requirements (table 3) standards.iteh.ai

Needed floor coverings shall conform to the basic requirements specified in table 3.

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