

norm**NEN-EN 14565**

Veerkrachtige vloerbedekkingen -
Vloerbedekkingen gebaseerd op
synthetische thermoplastische polymeren -
Specificatie

Publicatie uitsluitend voor commentaar

Resilient floor coverings - Floor coverings based upon synthetic
thermoplastic polymers - Specification

juli 2018
ICS 97.150

Commentaar vóór 2018-08-20

Zal vervangen NEN-EN 14565:2004

Als Europees normontwerp is gepubliceerd: prEN 14565:2018, IDT

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Voorbeeld
Preview

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 14565

June 2018

ICS 97.150

English Version

**Resilient floor coverings - Floor coverings based upon
synthetic thermoplastic polymers - Specification**

Revêtements de sol résilients - Revêtements de sol à
base de polymères thermoplastiques synthétiques -
Spécification

Elastische Bodenbeläge - Bodenbeläge auf Basis
synthetischer Thermoplaste - Spezifikation

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.

This draft European Standard was established by CEN 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.

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Voorbereidings
Preview

European foreword

This document (prEN 14565:2018) 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 CEN Enquiry.

This document will supersede EN 14565:2004.

In comparison with the previous edition, the following technical modifications have been made:

The normative references in Clause 2 have been updated, as well as the informative references in the Bibliography.

Forbiede
Preview

prEN 14565:2018 (E)**1 Scope**

This document specifies the characteristics for resilient floor coverings based upon synthetic thermoplastic polymers, supplied either in roll or tile form.

This specification does not apply to floor coverings specified in one of the following standards: EN ISO 10581, EN ISO 10582, EN ISO 10595, EN ISO 26986, EN 650, EN 651 and EN 652.

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 1269:2015, *Textile floor coverings — Assessment of impregnations in needled floor coverings by means of a soiling test*

EN 1372, *Adhesives — Test method for adhesives for floor and wall coverings — Peel test*

EN 1373, *Adhesives — Test method for adhesives for floor and wall coverings — Shear test*

EN 1903, *Adhesives — Test method for adhesives for plastic or rubber floor coverings or wall coverings — Determination of dimensional changes after accelerated ageing*

EN 12466:1998, *Resilient floor coverings — Vocabulary*

EN 20105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*

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 291, *Plastics — Standard atmospheres for conditioning and testing (ISO 291:2008)*

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

EN ISO 10874, *Resilient, textile and laminate floor coverings — Classification (ISO 10874:2009)*

EN ISO 23997, *Resilient floor coverings — Determination of mass per unit area (ISO 23997:2007)*

EN ISO 23999, *Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat (ISO 23999:2008)*

EN ISO 24340, *Resilient floor coverings — Determination of thickness of layers (ISO 24340:2006)*

EN ISO 24341, *Resilient and textile floor coverings — Determination of length, width and straightness of sheet (ISO 24341:2006)*

EN ISO 24342, *Resilient and textile floor-coverings — Determination of side length, edge, straightness and squareness of tiles (ISO 24342:2007)*

EN ISO 24343-1, *Resilient and laminate floor coverings — Determination of indentation and residual indentation — Part 1: Residual indentation (ISO 24343-1:2007)*

EN ISO 24344:2012, *Resilient floor coverings — Determination of flexibility and deflection (ISO 24344:2008)*

EN ISO 24345, *Resilient floor coverings — Determination of peel resistance (ISO 24345:2006)*

EN ISO 24346, *Resilient floor coverings — Determination of overall thickness (ISO 24346:2006)*

ISO 4918, *Resilient, textile and laminate floor coverings — Castor chair test*

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

ISO 11378-1:2000, *Textile floor coverings — Laboratory soiling tests — Part 1: Kappasoil test*

ISO 16906, *Resilient floor coverings — Determination of seam strength*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12466:1998 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

product with backing

floor covering consisting of a homogeneous or heterogeneous surface layer and a backing of any material different from the surface layer

Note 1 to entry: Typical backing materials are cork, foams and jute.

3.2

scratch

permanent surface damage of visible physical nature

4 Requirements

4.1 General requirements

Floor coverings described in this standard shall comply with the appropriate general requirements specified in Table 1, when tested in accordance with the methods given therein.

Table 1 — Requirements

Characteristic	Requirement		Test method	
	For product without backing	For product with backing		
Roll form Length Width	m mm	not less than the nominal value	EN ISO 24341	
Tiles Side length Squariness and straightness for side length	mm	deviation $\pm 0,13$ % of nominal length up to 0,5 mm maximum deviation at any point	EN ISO 24342	
≤ 400 mm > 400 mm > 400 mm (intended for welding)		$\leq 0,25$ $\leq 0,35$ $\leq 0,50$		
Overall thickness Average ^a individual results	mm	nominal value $+ 0,13$ $- 0,10$ average value ^b $\pm 0,15$	nominal value $+ 0,18$ $- 0,15$ average value ^b $\pm 0,20$	EN ISO 24346
Thickness of wear layer - average ^a - individual results	mm	nominal value $+ 13$ % $- 10$ % average value ^b $\pm 0,15$	nominal value $+ 18$ % $- 15$ % average value ^b $\pm 0,20$	EN ISO 24340
Total mass per unit area g/m ² (average)		nominal value $+ 13$ % $- 10$ %		EN ISO 23997
Residual indentation Recovery after indentation	mm %	$\leq 0,10$	≥ 80	EN ISO 24343-1 EN ISO 24343-1 ^c
Dimensional stability after exposure to heat Expansion/Shrinkage	%	$\leq 0,20$		Annex C
Curling under exposure to heat Rolls and tiles (intended for welding)	mm	≤ 8		EN ISO 23999 (6 h, 50 °C)

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