



# SLOVENSKI STANDARD

## oSIST prEN 687:2018

01-oktober-2018

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### Netekstilne talne obloge - Specifikacija linoleja na plutinem hrbtišču z dekorativnim vzorcem in brez njega

Resilient floor coverings - Specification for plain and decorative linoleum on a corkment backing

Elastische Bodenbeläge - Spezifikation für Linoleum mit und ohne Muster mit Korkmentrücken

Revêtements de sol résilients - Spécifications pour le linoléum uni et décoratif sur support en composition de liège

**Ta slovenski standard je istoveten z: prEN 687**

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#### **ICS:**

97.150      Talne obloge      Floor coverings

**oSIST prEN 687:2018**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 687**

August 2018

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Will supersede EN 687:2011

English Version

## Resilient floor coverings - Specification for plain and decorative linoleum on a corkment backing

Revêtements de sol résilients - Spécifications pour le linoléum uni et décoratif sur support en composition de liège

Elastische Bodenbeläge - Spezifikation für Linoleum mit und ohne Muster mit Korkmentrücken

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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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SIST EN 687:2019

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## European foreword

This document (prEN 687:2018) 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 687:2011.

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

- Table 2 has been replaced with the correct version from EN 687:2011.

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**prEN 687:2018 (E)****1 Scope**

This document specifies the characteristics of plain and decorative linoleum on a corkment backing as a compound floor covering, supplied in roll form.

To encourage the consumer to make an informed choice, this standard includes a classification system based on intensity of use, which shows where resilient floor coverings should give satisfactory service (see EN ISO 10874). It also includes requirements for marking.

The term 'linoleum' is frequently incorrectly applied to a range of floor coverings, often to those based on polyvinyl chloride or rubber. Such materials are not included in this document.

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

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

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

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

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

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

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

EN ISO 26985, *Resilient floor coverings — Identification of linoleum and determination of cement content and ash residue (ISO 26985)*

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

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

**3 Terms and definitions**

For the purposes of this document, the following terms and definitions 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****Linoleum with corkment backing**

product produced by calendaring a homogeneous mixture of linoleum cement, cork and/or woodflour, pigments and inorganic filler onto a corkment backing

Note 1 to entry: The product is then converted into its final form by an oxidative curing process; the only chemical cross-linking bondings in linoleum will be those which are formed during the oxidation process.

### 3.2

#### Linoleum cement

binder in linoleum, consisting of a mixture of linseed oil and/or other vegetable drying oils, rosin and drying oil catalysts, which is converted to a semi-elastic mass by an oxidative curing process

### 3.3

#### Corkment

backing or underlay produced by calendering a homogeneous mixture of linoleum cement, granulated cork, pigments and inorganic fillers on a fibrous backing

Note 1 to entry: The product is then converted into its final form by an oxidative curing process.

## 4 Identification

Linoleum shall be identified by its ability to be disintegrated in 0,5 mol/l potassium hydroxide/methanol solution and by the determination of cement content and ash residue.

The minimum amount of linoleum cement shall be 30 % when tested in accordance with EN ISO 26985.

The maximum amount of inorganic filler (ash residue) shall be 50 % when tested in accordance with EN ISO 26985.

Corkment shall be identified by its ability to be disintegrated in 0,5 mol/l potassium hydroxide/methanol solution.

## 5 Requirements

See Table 1.

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**Table 1 — General requirements**

Property	Requirement	Test method
Rolls length width	m mm Not less than the nominal values	EN ISO 24341
Nominal overall thickness average individual values	mm ≥ 4,0 Nominal value ± 0,20 Nominal value ± 0,25	EN ISO 24346
Thickness of linoleum layer average individual values	mm Nominal value ± 0,15 Nominal value ± 0,20	EN ISO 24340
Mass per unit area Average	g/m <sup>2</sup> Nominal value ± 10 %	EN ISO 23997
Residual indentation after static loading average	mm ≤ 0,40	EN ISO 24343-1
Flexibility around a mandrel of diameter 60 mm	Shall show no signs of cracking	EN ISO 24344