

ELASTSED, TEKSTIIL-, LAMINAAT JA MITMEKIHILISED  
PÕRANDAKATTED. PÕHIOMADUSED

Resilient, textile, laminate and modular multilayer floor  
coverings - Essential characteristics

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 14041:2018 sisaldab Euroopa standardi EN 14041:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 14041:2018 consists of the English text of the European standard EN 14041:2018.
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EUROPEAN STANDARD

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English Version

## Resilient, textile, laminate and modular multilayer floor coverings - Essential characteristics

Revêtements de sol résilients, textiles, stratifiés et multicouches modulaires - Caractéristiques essentielles

Elastische, textile und Laminat-Bodenbeläge - Wesentliche Merkmale

This European Standard was approved by CEN on 20 November 2017.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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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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## European foreword

This document (EN 14041:2018) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by NBN.

This 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of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by October 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14041:2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements for construction works of Regulation (EU) No. 305/2011.

For relationship with Regulation (EU) No. 305/2011, see informative Annex ZA, which is an integral part of this document.

The major changes between this version of the standard and the superseded version can be summarized as the following:

### **General**

The product group “modular multilayer floor coverings” has been introduced in the title, scope and has been added throughout the remaining text where applicable. (including Annex ZA).

### **4. Essential Characteristics**

#### **4.2 Content of dangerous substances**

Following the mandate M/119 rev on Dangerous Substances and the answer prepared by CEN/TC 134 and approved by the EC, the former clause “4.2 Content of pentachlorophenol (PCP)” has been integrated into a more detailed “Clause on content of dangerous substances.

#### **4.6 Slip resistance**

The content of this clause has been updated and, according to the answer to the mandate, it is now applicable to all types of floor coverings covered by this standard.

#### **4.7 Thermal resistance (Thermal conductivity)**

The content of this clause has been updated and, according to the answer to the mandate, the option to either declare thermal resistance or thermal conductivity has been added.

### **5. Assessment and verification of constancy of performance (AVCP)**

This clause replaces the former clause “Evaluation of conformity”; an official template for this clause is provided by CEN, which has to be implemented. Clause 5 follows this template.

#### **Annex D (normative) Product parameters for defining product families**

The former Annex D has become Clause 5. The current Annex D is an updated version of the previous Clause D.8. Separate sections per product group for the different essential characteristics have been introduced. The following clauses have been added:

D.2 Product parameters related content of dangerous substances

D.3 Product parameters related to emission of dangerous substances into indoor air

D.4 Product parameters related to slip resistance performance

D.5 Product parameters related to electrical behaviour performance

#### **Annex E (normative) Determination of Polycyclic Aromatic Hydrocarbons (PAH)**

This Annex has been added as there was no standardized test method available for determining Polycyclic Aromatic Hydrocarbons (PAH) at the moment of submitting this standard to CEN formal vote.

#### **Annex F (normative) Determination of phthalates**

This Annex has been added as there was no standardized test method available for determining phthalates at the moment of submitting this standard to CEN formal vote.

#### **Annex G (informative) Example for a Supplier declaration on raw materials or constituent products**

This Annex has been added as guidance for preparing a supplier declaration.

#### **Annex H (normative) Azocolourants – Restricted Aromatic Amines**

This Annex has been added to provide more details on the restricted aromatic amines and azo-dyes.

#### **Annex I (normative) List of pictograms used for an alternative way of expressing the performance of certain characteristics**

This Annex has been added to present the list of characteristics which also may be declared in form of (a) pictogram(s).

#### **Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No.305/2011 (Construction Products Regulation)**

The revised template for the Annex ZA for construction product standards has been implemented.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard specifies the essential characteristics for the following types of floor coverings:

- resilient floor coverings, excluding loose-laid mats;
- textile floor coverings, excluding loose-laid (barrier) mats, runners and rugs;
- laminate floor coverings;
- modular multilayer floor coverings.

These types of floor coverings may or may not be formulated to enhance the performance of one or more essential characteristics.

These types of floor coverings are intended for internal use as floor coverings within a building according to the manufacturer's specifications.

For these types of floor coverings this European standard specifies the assessment methods for determination of performances of the essential characteristics, the ways of expressing their performance, the systems for assessment and verification of constancy of performance (AVCP) their marking.

This standard does not specify requirements of floor coverings, which are not related to the essential characteristics as defined in Regulation (EU) No 305/2011.

This standard does not cover installation or maintenance of the floor coverings.

## 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 312:2010, *Particleboards — Specifications*

EN 651, *Resilient floor coverings — Polyvinyl chloride floor coverings with foam layer — Specification*

EN 652, *Resilient floor coverings — Polyvinyl chloride floor coverings with cork-based backing — Specification*

EN 717-1, *Wood-based panels — Determination of formaldehyde release — Part 1: Formaldehyde emission by the chamber method*

EN 687, *Resilient floor coverings — Specification for plain and decorative linoleum on a corkment backing*

EN 1081, *Resilient floor coverings — Determination of the electrical resistance*

EN 1122, *Plastics - Determination of cadmium — Wet decomposition method*

EN 1307, *Textile floor coverings — Classification*

EN 1815, *Resilient and laminate floor coverings — Assessment of static electrical propensity*

EN 1816, *Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing*



- EN 1817, *Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings*
- EN 12199, *Resilient floor coverings — Specifications for homogeneous and heterogeneous relief rubber floor coverings*
- EN 12466, *Resilient floor coverings — Vocabulary*
- EN 12664, *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Dry and moist products of medium and low thermal resistance*
- EN 12667, *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Products of high and medium thermal resistance*
- EN 12673, *Water quality — Gas chromatographic determination of some selected chlorophenols in water*
- EN 13238:2010, *Reaction to fire tests for building products — Conditioning procedures and general rules for selection of substrates*
- EN 13501-1:2007+A1:2009, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*
- EN 13553:2017, *Resilient floor coverings — Polyvinyl chloride floor coverings for use in special wet areas — Specification*
- EN 13893, *Resilient, laminate and textile floor coverings — Measurement of dynamic coefficient of friction on dry floor surfaces*
- EN 13329, *Laminate floor coverings — Elements with a surface layer based on aminoplastic thermosetting resins — Specifications, requirements and test methods*
- CEN/TR 14823, *Durability of wood and wood-based products — Quantitative determination of pentachlorophenol in wood — Gas chromatographic method*
- CEN/TS 15447, *Mounting and fixing in reaction to fire tests under the Construction Products Directive*
- CEN/TS 15968, *Determination of extractable perfluorooctanesulphonate (PFOS) in coated and impregnated solid articles, liquids and fire fighting foams — Method for sampling, extraction and analysis by LC-qMS or LC-tandem/MS*
- EN 16516, *Construction products: Assessment of release of dangerous substances — Determination of emissions into indoor air*
- EN 62321-1, *Determination of certain substances in electrotechnical products — Part 1: Introduction and overview (IEC 62321-1)*
- EN ISO 139, *Textiles — Standard atmospheres for conditioning and testing (ISO 139)*
- EN ISO 9239-1:2010, *Reaction to fire tests for floorings — Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2010)*

EN ISO 10456, *Building materials and products — Hygrothermal properties — Tabulated design values and procedures for determining declared and design thermal values (ISO 10456)*

EN ISO 10581, *Resilient floor coverings — Homogeneous poly(vinyl chloride) floor covering — Specifications (ISO 10581)*

EN ISO 10582, *Resilient floor coverings — Heterogeneous poly(vinyl chloride) floor coverings — Specification (ISO 10582)*

EN ISO 10595, *Resilient floor coverings — Semi-flexible/vinyl composition (VCT) poly(vinyl chloride) floor tiles — Specification (ISO 10595)*

EN ISO 11925-2:2010, *Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2:2010)*

EN ISO 14362-1, *Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1)*

CEN ISO/TS 16179, *Footwear — Critical substances potentially present in footwear and footwear components — Determination of organotin compounds in footwear materials (ISO/TS 16179)*

CEN ISO/TS 16186, *Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine dimethyl fumarate (DMFU) in footwear materials (ISO/TS 16186)*

EN ISO 18219, *Leather — Determination of chlorinated hydrocarbons in leather — Chromatographic method for short-chain chlorinated paraffins (SCCP) (ISO 18219)*

EN ISO 24011, *Resilient floor coverings — Specification for plain and decorative linoleum (ISO 24011)*

EN ISO 26986, *Resilient floor coverings — Expanded (cushioned) poly(vinyl chloride) floor covering — Specification (ISO 26986)*

ISO 390:1993, *Products in fibre-reinforced cement — Sampling and inspection*

ISO 1766, *Textile floor coverings — Determination of thickness of pile above the substrate*

ISO 1957, *Machine-made textile floor coverings — Selection and cutting of specimens for physical tests*

ISO 2424, *Textile floor coverings — Vocabulary*

ISO 6356:2012, *Textile and laminate floor coverings — Assessment of static electrical propensity — Walking test*

ISO 8302, *Thermal insulation — Determination of steady-state thermal resistance and related properties — Guarded hot plate apparatus*

ISO 10965, *Textile floor coverings — Determination of electrical resistance*

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