



BSI Standards Publication

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

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## National foreword

This British Standard is the UK implementation of EN 14041:2018. It supersedes BS EN 14041:2004, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/60, Resilient and Laminate Floor Coverings.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 14041**

January 2018

ICS 97.150

Supersedes EN 14041:2004

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.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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  
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<b>Contents</b>	<b>Page</b>
<b>European foreword .....</b>	<b>4</b>
<b>1 Scope.....</b>	<b>6</b>
<b>2 Normative references.....</b>	<b>6</b>
<b>3 Terms and definitions .....</b>	<b>9</b>
<b>4 Essential characteristics.....</b>	<b>9</b>
<b>5 Assessment and verification of constancy of performance (AVCP) .....</b>	<b>21</b>
<b>6 Marking and labelling .....</b>	<b>31</b>
<b>Annex A (informative) Product standards for resilient, textile, laminate and modular multilayer floor coverings .....</b>	<b>32</b>
<b>Annex B (normative) Determination of content of pentachlorophenol (PCP) in resilient and textile floor coverings .....</b>	<b>34</b>
<b>B.1 Principle of test.....</b>	<b>34</b>
<b>B.2 Apparatus and materials.....</b>	<b>34</b>
<b>B.3 Sampling and specimen preparation.....</b>	<b>34</b>
<b>B.4 Sample extraction and analysis .....</b>	<b>34</b>
<b>B.5 Expression of results .....</b>	<b>34</b>
<b>Annex C (informative) Guidance on the reduction of slip hazards .....</b>	<b>35</b>
<b>C.1 Scope.....</b>	<b>35</b>
<b>C.2 General.....</b>	<b>35</b>
<b>C.3 Design.....</b>	<b>35</b>
<b>C.4 Service.....</b>	<b>36</b>
<b>C.5 User responsibility .....</b>	<b>37</b>
<b>Annex D (normative) Product parameters for defining product families.....</b>	<b>38</b>
<b>D.1 Product parameters related to reaction to fire performance.....</b>	<b>38</b>
<b>D.2 Product parameters related content of dangerous substances .....</b>	<b>39</b>
<b>D.3 Product parameters related to emission of dangerous substances into indoor air .....</b>	<b>41</b>
<b>D.4 Product parameters related to slip resistance performance.....</b>	<b>43</b>
<b>D.5 Product parameters related to electrical behaviour performance .....</b>	<b>43</b>
<b>Annex E (normative) Determination of content of Polycyclic Aromatic Hydrocarbons (PAH) .....</b>	<b>45</b>
<b>E.1 Principle of test.....</b>	<b>45</b>
<b>E.2 Terms and definitions .....</b>	<b>45</b>
<b>E.3 Abbreviations.....</b>	<b>45</b>
<b>E.4 Equipment .....</b>	<b>45</b>

E.5	Chemicals and solutions.....	46
E.6	Procedure .....	47
E.7	GC-MS Analysis.....	48
E.8	Calculations.....	49
E.9	Test Report.....	49
Annex F (normative)	Determination of content of phthalates .....	50
F.1	Principle of test .....	50
F.2	Terms and definitions.....	50
F.3	Equipment and Supplies .....	51
F.4	Measurement of Phthalate Concentration.....	52
Annex G (normative)	Information to be provided in the Supplier declaration on raw materials or constituent products.....	57
G.1	Information to be provided with the supplier declaration on dangerous substances in raw materials or constituent products.....	57
G.2	Supplier declaration on the content of dangerous substances in raw materials or constituent products .....	58
Annex H (normative)	Content of Azocolourants – Restricted Aromatic Amines .....	60
Annex I (normative)	List of pictograms used for an alternative way of expressing the performance of certain characteristics .....	61
Annex ZA (informative)	Relationship of this European Standard with Regulation (EU) No.305/2011 .....	64
Bibliography	.....	69

## 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*