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Resilient, textile, laminate and modular multilayer floor coverings – Essential characteristics; English version EN 14041:2018, English translation of DIN EN 14041:2018-05

Elastische, textile, Laminat- und modulare mehrschichtige Bodenbeläge – Wesentliche Merkmale;

Englische Fassung EN 14041:2018,

Englische Übersetzung von DIN EN 14041:2018-05

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

Version anglaise EN 14041:2018,

Traduction anglaise de DIN EN 14041:2018-05

Document comprises 71 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This document (EN 14041:2018) has been prepared by Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings" (Secretariat: NBN, Belgium).

The responsible German body involved in its preparation was *DIN-Normenausschuss Kunststoffe* (DIN Standards Committee Plastics), Working Committee NA 054-04-08 GA "Joint working committee FNK/NHM: Floor coverings".

It should be noted that errors are contained in the English reference version of this standard which had to be taken over in the German version. The reference to class " F_{fl} " in subclause 4.1.3.1 is incorrect; it should read class " E_{fl} ". Furthermore, indices of classes E, F etc. are to be written in small letters.

The DIN document corresponding to the international document referred to in this document is as follows:

ISO 2424 DIN ISO 2424

Amendments

This standard differs from DIN EN 14041:2008-05 as follows:

- a) the European Standard has been thoroughly technically revised;
- b) normative references have been updated;
- c) the document has been brought in line with the current rules of presentation.

Previous editions

DIN EN 14041: 2004-10, 2005-02, 2006-04, 2008-05

National Annex NA

(informative)

Bibliography

DIN ISO 2424, Textile floor coverings — Vocabulary

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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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, Laminat- und modulare mehrschichtige Bodenbeläge - Wesentliche Merkmale

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

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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 were 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 phathalates 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