BS EN 13329:2016



BSI Standards Publication

Laminate floor coverings

— Elements with a surface
layer based on aminoplastic
thermosetting resins —
Specifications, requirements
and test methods



BS EN 13329:2016 BRITISH STANDARD

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This British Standard is the UK implementation of EN 13329:2016. It supersedes BS EN 13329:2006+A1:2008 which is withdrawn.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.

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English Version

Laminate floor coverings - Elements with a surface layer based on aminoplastic thermosetting resins - Specifications, requirements and test methods

Revêtements de sol stratifiés - Éléments dont la surface est à base de résines aminoplastes thermodurcissables - Spécifications, exigences et méthodes d'essai Laminatböden - Elemente mit einer Deckschicht auf Basis aminoplastischer, wärmehärtbarer Harze -Spezifikationen, Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 27 November 2015.

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 foreword

This document (EN 13329:2016) 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of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

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

This document supersedes EN 13329:2006+A1:2008.

Compared to EN 13329:2006+A1:2008, the following changes have been made:

- a) general definition for laminate floor coverings included;
- b) test method for the light fastness stated more precisely;
- c) general requirements for thickness tolerances of elements with pre-attached underlays added;
- d) requirements for abrasion resistance changed;
- e) requirements for cigarette resistance deleted;
- f) general requirements for surface soundness changed into a classification requirement, requirements partly increased;
- g) defined underlay for the impact resistance test with the large diameter ball added and requirements for this property changed;
- h) requirements for castor chair test changed;
- i) requirements for thickness swelling partly changed;
- j) requirements for locking strength added;
- k) requirements for dimensional stability changed;
- l) technical characteristic micro-scratch resistance adde;
- m) test method for abrasion resistance in Annex E stated more precisely;
- n) Annex G for hardness measurements for abrasion wheels added;
- o) test method for impact resistance in Annex H stated more precisely.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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1 Scope

This European Standard specifies characteristics, requirements and test methods for laminate floor coverings with a surface layer based on aminoplastic thermosetting resins as defined in 3.1 and 3.2. It also specifies requirements for marking and packaging.

It includes a classification system, based on EN ISO 10874, giving practical requirements for areas of use and levels of use, to indicate where laminate floor coverings will give satisfactory service and to encourage the consumer to make an informed choice.

Laminate floor coverings are considered for domestic and commercial levels of use, including domestic kitchens. This standard does not specify requirements relating to areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas.

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 311, Wood-based panels - Surface soundness - Test method

EN 318, Wood based panels - Determination of dimensional changes associated with changes in relative humidity

EN 322, Wood-based panels - Determination of moisture content

EN 424, Resilient floor coverings - Determination of the effect of simulated movement of a furniture leg

EN 425:2002, Resilient and laminate floor coverings - Castor chair test

EN 438 (all parts), High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins ($Usually\ called\ Laminates$)

EN 16094, Laminate floor coverings - Test method for the determination of micro-scratch resistance

CEN/TS 16354, Laminate floor coverings - Underlays - Specification, requirements and test methods

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

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

EN ISO 4892-2:2006/A1:2009, Plastics - Methods of exposure to laboratory light sources - Part 2: Xenonarc lamps (ISO 4892-2:2006/Amd1:2009)

EN ISO 6506-1, Metallic materials - Brinell hardness test - Part 1: Test method (ISO 6506-1)

EN ISO 10874, Resilient, textile and laminate floor coverings - Classification (ISO 10874)

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