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BSI Standards Publication

Laminate floor coverings — Specifications, requirements and test methods

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National foreword

This British Standard is the UK implementation of EN 13329:2023. It supersedes BS EN 13329:2016+A2:2021, BS EN 15468:2016+A1:2021 and BS EN 14978:2016+A1:2021, which are withdrawn.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 committee manager.

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Amendments/corrigenda issued since publication

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English Version

Laminate floor coverings - Specifications, requirements and test methods

Revêtements de sol stratifiés - Spécifications, exigences
et méthodes d'essaiLaminatböden - Spezifikationen, Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 27 November 2023.

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 13329:2023) 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of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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 13329:2016+A2:2021, EN 14978:2016+A1:2021 and EN 15468:2016+A1:2021.

The main changes compared to EN 13329:2016+A2:2021, EN 14978:2016+A1:2021 and EN 15468:2016+A1:2021 are listed below:

- EN 13329, EN 14978 and EN 15468 merged;
- Annex A and Annex B on determination of geometrical characteristics replaced by reference to EN 17539 in Table 1;
- Annex E, Annex F and Annex G on determination of abrasion resistance replaced by reference to ISO 24338 in Table 2;
- specification of underlay in 4.2 modified;
- in Table 2 requirements for impact resistance with large ball reduced due to modified underlay;
- in Table 2 castor chair test according to EN 425 replaced by test according to EN ISO 4918 with adjusted requirements;
- in Table 3 water resistance according to ISO 4760 introduced as additional technical characteristic;
- information on recycling added as 4.4 and Annex D.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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

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1 Scope

This document specifies characteristics, requirements and test methods for laminate floor coverings with a surface layer as defined in 3.2 to 3.5. 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 generally designed for floating installations and are considered for domestic and commercial levels of use, including domestic kitchens. This document does not specify requirements relating to the use in areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas. In general, laminate floor coverings can only be used in those areas when authorized by the manufacturer and under conditions described in the manufacturer's installation guidelines.

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 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 438-2, *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (usually called laminates) — Part 2: Determination of properties*

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

EN 16354, *Laminate floor coverings — Underlays — Specification, requirements and test methods*

EN 17368, *Laminate floor coverings — Determination of impact resistance with small ball*

EN 17539, *Modular mechanical locked floor coverings (MMF) — Determination of geometrical characteristics*

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 2813, *Paints and varnishes — Determination of gloss value at 20°, 60° and 85° (ISO 2813)*

EN ISO 4892-2:2013,¹ *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2:2013)*

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

¹ As impacted by EN ISO 4892-2:2013/A1:2021.