



BSI Standards Publication

**Resilient, modular mechanical locked floor coverings (MMF) and laminate floor coverings —  
Assessment of static electrical propensity**

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## National foreword

This British Standard is the UK implementation of EN 1815:2025. It supersedes BS EN 1815:2016, which is withdrawn.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 committee manager.

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## EUROPÄISCHE NORM

October 2025

ICS 97.150

Supersedes EN 1815:2016

English Version

## Resilient, modular mechanical locked floor coverings (MMF) and laminate floor coverings - Assessment of static electrical propensity

Revêtements de sol résilients, modulaires à  
verrouillage mécanique (MMF) et stratifiés -  
Évaluation à la propension à l'accumulation de charges  
électrostatiques

Elastische, modulare mechanisch verriegelnde  
Bodenbeläge (MMF) und Laminat-Bodenbeläge -  
Beurteilung des elektrostatischen Verhaltens

This European Standard was approved by CEN on 15 September 2025.

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.

CEN members are the national standards bodies of 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 United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 1815:2025) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile, laminate and modular mechanical locked 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 April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.

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 1815:2016.

EN 1815:2025 includes the following significant technical changes with respect to EN 1815:2016:

- modular mechanical locked floor coverings were added to the Title and Scope;
- correction of the normative references in Clause 2 related to the new technical parameter;
- the test principle description in Clause 4 was divided in method A and B;
- a description of a conditioned room was added as 5.1;
- technical parameters of the new EPDM sole in 5.5;
- Clause 6, “Preparation of test pieces for method A” was integrated;
- 8.2.2 “Discharging” was modified;
- the Annex A with the description of the test sandals was added and Figure A.1 was replaced.

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 a method for determining the body voltage (BV) generated when a person wearing standardized footwear walks on a resilient, modular mechanical locked floor coverings (MMF) or laminate floor covering. The test method can be used under laboratory conditions as well as *in situ*.

## 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 ISO 1183-1, *Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1)*

EN IEC 61340-4-1, *Electrostatics — Part 4-1: Standard test methods for specific applications — Electrical resistance of floor coverings and installed floors (IEC 61340-4-1)*

ISO 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*

ISO 48-4, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 4: Indentation hardness by durometer method (Shore hardness)*

ISO 4649, *Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*

ISO 9407, *Footwear sizing — Mondopoint system of sizing and marking*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

### 3.1

#### **static electrical propensity**

tendency for charge to be generated by a person walking on the floor covering

### 3.2

#### **earthed**

connected to a reference earth