



SLOVENSKI STANDARD
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Netekstilne in tekstilne talne obloge - Ocenitev elektrostatičnega obnašanja

Resilient and laminate floor coverings - Assessment of static electrical propensity

Elastische und laminierte Bodenbeläge - Beurteilung des elektrostatischen Verhaltens

Revêtements de sol résilients et stratifiés - Evaluation de la propension à l'accumulation de charges électrostatiques

Ta slovenski standard je istoveten z: prEN 1815 rev

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59.080.60	Tekstilne talne obloge	Textile floor coverings
97.150	Netekstilne talne obloge	Non-textile floor coverings

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Resilient and laminate floor coverings - Assessment of static electrical propensity

Revêtements de sol résilients et stratifiés - Evaluation de la propension à l'accumulation de charges électrostatiques

Elastische und Laminat-Bodenbeläge - Beurteilung des elektrostatischen Verhaltens

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 134.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (prEN 1815:2014) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 1815:1997.

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prEN 1815:2014 (E)

1 Scope

This standard specifies a method for determining the body voltage generated when a person wearing standardized footwear walks on a resilient or laminate floor covering. The test method can be used under laboratory conditions as well as in-situ.

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 61340-4-1:2004 Electrostatics - Part 4-1: Standard test methods for specific applications - Electrical resistance of floor coverings and installed floors (IEC 61340-4-1)

3 Definitions

For the purposes of this European standard the following terms and definitions apply:

3.1

static electrical propensity

static electrical charge generated by a person walking on a floor

3.2

grounded connection

direct electrical connection to earth

4 Principle

A floor covering is evaluated for static electrical propensity by means of a walking test with an operator using a pair of standard sandals, walking over the floor covering situated over a grounded metal base plate (resilient floor coverings) or over a PE-foam/PE-foil situated over a grounded metal base plate (laminate floor coverings).

5 Apparatus

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5.1 Substructure for resilient floor coverings

A grounded metal base plate shall be used, e.g. a stainless steel plate of approximately (100 x 200) cm and 1 mm thick.

5.2 Substructure for laminate floor coverings

5.2.1 Laminate floor coverings without attached sound absorbing material

A PE foam sheet of approximately (220 x 120) cm and $(3 \pm 0,5)$ mm thick, with a vertical volume resistance $\geq 10^{13} \Omega$ (measured at 500 V DC according to EN 61340-4-1) shall be used. This PE foam sheet is laid on a grounded metal base plate, as specified in 5.1.

5.2.2 Laminate floor coverings with attached sound absorbing material:

A water vapour barrier PE foil of approximately (220 x 120) cm and $(0,2 \pm 0,1)$ mm thick is laid on a grounded metal base plate, as specified in 5.1.

NOTE The product Trittex 3 mm made by Selit GmbH is an example of a suitable PE-foam product available commercially. This information is given for the convenience of users of this European standard and does not constitute an endorsement by CEN of this product. Equivalent products may be used if they can be shown to lead to the same results.