



NSAI
Standards

Irish Standard
I.S. EN 1081:2018

Resilient, laminate and modular multilayer floor coverings - Determination of the electrical resistance

I.S. EN 1081:2018

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 1081:2018 is the adopted Irish version of the European Document EN 1081:2018, Resilient, laminate and modular multilayer floor coverings - Determination of the electrical resistance

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EUROPEAN STANDARD

EN 1081

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 97.150

Supersedes EN 1081:1998

English Version

Resilient, laminate and modular multilayer floor coverings - Determination of the electrical resistance

Revêtements de sol résilients, stratifiés et
multicouches modulaires - Détermination de la
résistance électrique

Elastische, Laminat- und modulare mehrschichtige
Bodenbeläge - Bestimmung des elektrischen
Widerstandes

This European Standard was approved by CEN on 1 July 2018.

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, 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 United Kingdom.



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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 1081:2018) 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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 1081:1998.

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EN 1081:2018 (E)**1 Scope**

This document specifies test methods for determining:

- a) the vertical resistance,
- b) the resistance to earth,
- c) the surface resistance

of a resilient, laminate and modular multilayer floor covering after installation in test piece or after installation.

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 62631-3-1, *Dielectric and resistive properties of solid insulating materials - Part 3-1: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity - General method (IEC 62631-3-1)*

ISO 48, *Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD)*

3 Terms and definitions

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

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

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

3.1**vertical resistance R1**

electrical resistance measured between a tripod electrode on the surface of a test piece and an electrode attached to the underside of the test piece

Note 1 to entry: See Figure 1 for tripod electrode and see Figure 2 for testing of vertical resistance.

3.2**resistance to earth R2**

electrical resistance measured between a loaded tripod electrode on the surface of a laid floor covering and earth

3.3**surface resistance R3**

electrical resistance measured between two tripod electrodes set up at a fixed distance of 100 mm apart on a laid floor covering

Note 1 to entry: See Figure 4 for the electrical resistance measured between two tripod electrodes and see Figure 3 for distance of 100 mm apart on a laid floor covering.

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