



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 1081:1998

**Resilient floor coverings -
Determination of the electrical
resistance**

Revêtements de sol résilients -
Détermination de la résistance électrique

Elastische Bodenbeläge - Bestimmung
des elektrischen Widerstandes

01/1998



National Foreword

This European Standard EN 1081:1998 was adopted as Luxembourgish Standard ILNAS-EN 1081:1998.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

ILNAS-EN 1081:1998
EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM
EN 1081
January 1998

ICS 97.150

Descriptors: floor coverings, tests, determination, electrical resistance

English version

Resilient floor coverings - Determination of the electrical resistance

Revêtements de sol résilients - Détermination de la résistance électrique

Elastische Bodenbeläge - Bestimmung des elektrischen Widerstandes

This European Standard was approved by CEN on 23 November 1997.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 134 “Resilient and textile floor coverings”, the secretariat of which is held by BSI.

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 July 1998, and conflicting national standards shall be withdrawn at the latest by July 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies the determination for the vertical resistance of a floor covering, one determination for the surface resistance of a floor covering and one determination for the resistance to earth of a floor covering after installation.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

IEC 93:1980 Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials

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

3 Definitions

For the purposes of this standard the following definitions apply.

3.1 vertical resistance R_1 : The electrical resistance measured between a tripod electrode (see figure 1) on the surface of a test piece and an electrode attached to the underside of the test piece (see figure 2).

3.2 resistance to earth R_2 : The electrical resistance measured between a loaded tripod electrode on the surface of a laid floor covering and earth.

3.3 surface resistance R_3 : The electrical resistance measured between two tripod electrodes (see figure 4) set up at a fixed distance of 100 mm apart on a laid floor covering (see figure 3).