

SLOVENSKI STANDARD
SIST EN 61340-4-1:2004/A1:2015
01-september-2015

Elektrostatika - 4-1. del: Standardne preskusne metode za posebno uporabo - Električna upornost talnih oblog in položenih tal - Dopnilo A1

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

Elektrostatik - Teil 4-1: Standard-Prüfverfahren für spezielle Anwendungen - Elektrischer Widerstand von Bodenbelägen und verlegten Fußböden

Electrostatique - Partie 4-1: Méthodes d'essai normalisées pour des applications spécifiques - Résistance électrique des revêtements de sol et des sols finis

<https://standards.iteh.ai/catalog/standards/sist/4abb40b9-2e25-4c68-ab03-76dd6f31d73b/sist-en-61340-4-1-2004-a1-2015>

Ta slovenski standard je istoveten z: EN 61340-4-1:2004/A1:2015

ICS:

17.220.99	Drugi standardi v zvezi z električno in magnetizmom	Other standards related to electricity and magnetism
59.080.60	Tekstilne talne obloge	Textile floor coverings

SIST EN 61340-4-1:2004/A1:2015 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61340-4-1:2004/A1:2015

<https://standards.iteh.ai/catalog/standards/sist/4abb40b9-2e25-4c68-ab03-76dd6B1d73b/sist-en-61340-4-1-2004-a1-2015>

EUROPEAN STANDARD

EN 61340-4-1:2004/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2015

ICS 17.220.99; 59.080.60

English Version

**Electrostatics - Part 4-1: Standard test methods for specific applications - Electrical resistance of floor coverings and installed floors
(IEC 61340-4-1:2003/A1:2015)**

Electrostatique - Partie 4-1: Méthodes d'essai normalisées pour des applications spécifiques - Résistance électrique des revêtements de sol et des sols finis
(IEC 61340-4-1:2003/A1:2015)

Elektrostatik - Teil 4-1: Standard-Prüfverfahren für spezielle Anwendungen - Elektrischer Widerstand von Bodenbelägen und verlegten Fußböden
(IEC 61340-4-1:2003/A1:2015)

This amendment A1 modifies the European Standard EN 61340-4-1:2004; it was approved by CENELEC on 2015-06-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61340-4-1:2004/A1:2015**European foreword**

The text of document 101/461/FDIS, future IEC 61340-4-1:2003/A1, prepared by IEC/TC 101 "Electrostatics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61340-4-1:2004/A1:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-03-03
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-06-03

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice**iTeh STANDARD PREVIEW**

The text of the International Standard IEC 61340-4-1:2003/A1:2014 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

[SIST EN 61340-4-1:2004/A1:2015](https://standards.iteh.ai/catalog/standards/sist/4abb40b9-2e25-4c68-ab03-76dd6b1d73b/sist-en-61340-4-1-2004-a1-2015)

<https://standards.iteh.ai/catalog/standards/sist/4abb40b9-2e25-4c68-ab03-76dd6b1d73b/sist-en-61340-4-1-2004-a1-2015>



IEC 61340-4-1

Edition 2.0 2015-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Electrostatics – iTeh STANDARD PREVIEW
Part 4-1: Standard test methods for specific applications – Electrical resistance
of floor coverings and installed floors

<https://standards.iteh.ai/catalog/standards/sist/4abb40b9-2e25-4c68-ab03-2024/61340-4-1:2004/A1:2015>

Electrostatique –
Partie 4-1: Méthodes d'essai normalisées pour des applications spécifiques –
Résistance électrique des revêtements de sol et des sols finis

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 17.220.99; 59.080.60

ISBN 978-2-8322-2628-5

Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

FOREWORD

This amendment has been prepared by IEC technical committee 101: Electrostatics.

The text of this amendment is based on the following documents:

FDIS	Report on voting
101/461/FDIS	101/469/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

iTeh STANDARD PREVIEW (standards.iteh.ai)

1 Scope

[SIST EN 61340-4-1:2004/A1:2015](#)

Add the following **NOTE** at the end of the Scope.
[http://standards.iteh.ai/catalog/standards/sist/4abb40b9-2e25-4c68-ab03-76dd6B1d73b/sist-en-61340-4-1-2004-a1-2015](#)

NOTE Although this standard does not include requirements for personal safety, attention is drawn to the fact that all concerned might need to comply with the relevant local statutory requirements regarding the health and safety of all persons in all places of work that use floor coverings defined by the test method of this standard.

3.8 vertical resistance

Replace the existing text of definition 3.8 with the following new text:

electrical resistance measured between the counter-electrode on the back of the material under test and a single electrode placed on the use-surface

5.4 Support plates

Replace the first paragraph of 5.4 with the following new text:

For point-to-point resistance measurements, where required (see Clause 6) and resistance to ground measurements: support plates shall be equal in area to the test specimens, of sufficient rigidity to hold specimens together for testing, and made from insulating material with a vertical resistance at least one order of magnitude greater than the expected value or if the expected value is unknown, greater than $10^{14} \Omega$.

5.5 Insulating plate

Replace the existing text of 5.5 with the following new text:

For vertical resistance measurements: a flat plate 640 mm \pm 10 mm square, 5 mm \pm 1 mm thick, made from insulating material with a vertical resistance greater than $10^{14} \Omega$ shall be used. For point-to-point and resistance to ground measurements: a flat plate

1 300 mm ± 10 mm by 600 mm ± 10 mm, 5 mm ± 1 mm thick, made from insulating material with a vertical resistance at least one order of magnitude greater than the expected value or if the expected value is unknown, greater than $10^{14} \Omega$ shall be used.

6 Sampling for laboratory evaluations

Replace the fifth paragraph of Clause 6 with the following new text:

For tiles smaller than the size required for testing, several tiles may be combined together, cutting where necessary to achieve the required area. Support plates (see 5.4) may be required. If so, they shall be attached to the tiles, and the edges of adjacent tiles joined according to the manufacturer's instructions or as otherwise agreed. If tiles are used to form the test specimen, measurements shall include a test across a minimum of one joint. Groundable points shall be attached to one or more tiles before application of the support plates, bearing in mind the requirement for a minimum distance of 1 000 mm ± 50 mm between a groundable point and the positions of measuring resistance to ground (see 9.4).

9.4 Resistance to ground

Replace the last paragraph of 9.4 with the following new text:

The number of measurements shall be chosen so as to be representative of the floor in question, but in any case shall be at least one measurement per 100 m² with a minimum of six measurements.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Figure 1 – Example of two alternative designs for suitable measuring electrodes

Replace the existing title of Figure 1 with the following new title:

Figure 1 – Example of two designs for suitable measuring electrodes
