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Interested committees:

Title: Draft BS ISO 6356 Textile and laminate floor coverings — Assessment of static electrical propensity — Walking test.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

ISO/DIS 6356

Textile and laminate floor coverings — Assessment of static electrical propensity — Walking test

*Revêtements de sol textiles et laminé — Évaluation de la
propension à l'accumulation des charges électrostatiques —
Essai du marcheur*

ICS: 97.150

ISO/TC 219

Secretariat: **NBN**

Voting begins on:
2025-08-25

Voting terminates on:
2025-11-17

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
5.1 Earthed metal base plate	2
5.2 Rubber mat	2
5.3 Polyethylene foam (PE-foam)	2
5.4 Polyethylene foil (PE-foil)	2
5.5 Test Sandals	3
5.6 Means of cleaning the sandals	3
5.7 Ionizing source	3
5.8 Body voltage measuring system	3
5.9 Measuring devices for temperature and relative humidity	3
6 Sampling and selection of specimens	4
6.1 Textile floor coverings	4
6.2 Laminate	4
7 Preconditioning	4
8 Atmosphere for conditioning and testing	4
9 Test procedures	4
9.1 Preparation	4
9.1.1 Cleaning the sandals	4
9.2 Method A: test procedure in laboratory conditions	5
9.2.1 Test procedure for textile floor coverings	5
9.2.2 Test procedure for laminate floor coverings	6
9.3 Method B: test procedure <i>in situ</i>	6
10 Calculation and expression of results	6
11 Test report	8
12 Precision	8
Annex A (normative) Specification of the sandals	9
Annex B (normative) Standard sole material — Neolite (standard XS-664P)	14
Annex C (normative) Standard sole material — EPDM-rubber	15
Annex D (normative) Method for measuring the electrical resistance of the footwear	16
Annex E (informative) Example of a hand-held electrode and its use	18
Annex F (informative) Method of checking calibration of the measuring system	20
Annex G (informative) Precision of the method	21
Bibliography	22

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

This third edition cancels and replaces the second edition (ISO 6356:2012(E)), which has been technically revised.

The main changes are as follows:

— replacing BAM by EPDM

A list of all parts in the ISO 6356 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This test is a measurement of the electric potential (voltage) due to the accumulation of static charge on a person walking on the surface of a textile and laminate floor covering under controlled conditions. It is important that this measurement is made under carefully controlled conditions to minimize test variability.

Textile and laminate floor coverings — Assessment of static electrical propensity — Walking test

1 Scope

This document specifies a method of evaluating the electrostatic propensity of textile and laminate floor coverings under controlled conditions. Since the potential generated varies with humidity, shoe materials, walk surface and individuals' mannerisms, the values generated by this test will not necessarily reflect actual field experience, but will provide a relative comparison of the performance of different surfaces.

For classification purposes and in cases of dispute, the measurement procedure specified in this document can be used under controlled conditions specified in the relevant classification standard or agreed between disputing parties. There may be occasions where measurements are required under non-controlled conditions, e.g. in situ measurements on installed floor coverings. The principle of measurement using the equipment specified in this document can be used to make measurements, either with the standard footwear specified or with specific footwear relevant to the end use.

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 1183-1:2019, *Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1)*

ISO 37:2024, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 48-2:2018, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*

ISO 48-4:2018, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 4: Indentation hardness by durometer method (Shore hardness)*

ISO 1957, *Machine-made textile floor coverings — Selection and cutting of specimens for physical tests*

ISO 2424, *Textile floor coverings — Vocabulary*

ISO 9407:1991, *Shoe sizes — Mondopoint system of sizing and marking*

ISO 4649:2024, *Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*

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)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2424 and the following 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>