

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Draft for Comments Only

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भारतीय मानक मसौदा

वस्त्रादि फर्श आवरण — जल अप्रवेश्यता परीक्षण
(आई एस 18554 : 2024 का पहला पुनरीक्षण)

Draft Indian Standard

TEXTILE FLOOR COVERINGS — WATER IMPERMEABILITY TEST
(First Revision of IS 18554 : 2024)

ICS : 97.150

Wool, Wool Products and Textile Floor
Coverings Sectional Committee, TXD 04

Last date for receipt of comments is
27 June 2025

NATIONAL FOREWORD

(Formal clauses will be added later)

This Indian Standard intended to be adopted is identical with ISO 20251 : 2024 ‘Textile floor coverings — Water impermeability test’ issued by the International Organization for Standardization (ISO).

The standard was originally published in 2016. The first revision of the standard has been undertaken to align it with the latest version of ISO 20251 : 2024. The major changes in this revision are as follows:

- inclusion of the pouring height of the coloured solution onto the test specimen;
- revision of process to make the coloured liquid.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In the standard intended to be adopted, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 139 Textiles — Standard atmospheres for conditioning and testing	IS 6359 : 2023 Method for conditioning of textiles (first revision)	Technically Equivalent
ISO 2424 Textile floor coverings — Vocabulary	IS 11205 : 2011 Textile floor coverings — Vocabulary (first revision)	Identical

The technical committee has reviewed the provisions of the following International Standard referred in this standard intended to be adopted and has decided that these are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 1957	Machine-made textile floor coverings — Selection and cutting of specimens for physical tests

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

Extract of ISO 20251 : 2024 ‘Textile floor coverings — Water impermeability test’

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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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 second edition cancels and replaces the first edition ([ISO 20251:2016](#)), which has been technically revised.

The main changes are as follows:

- inclusion of the pouring height of the coloured solution onto the test specimen;
- revision of process to make the coloured liquid.

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.

1 Scope

This document specifies a laboratory test method for determining the water impermeability of textile floor coverings.

This document does not apply to the characterization of a wall-to-wall installation of textile floor covering tiles.

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.

[ISO 139](#), Textiles — Standard atmospheres for conditioning and testing

[ISO 1957](#), Machine-made textile floor coverings — Selection and cutting of specimens for physical tests

[ISO 2424](#), Textile floor coverings — Vocabulary

3 Terms and definitions

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

— IEC Electropedia: available at <https://www.electropedia.org/>

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(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

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NAME OF THE COMMENTATOR/ORGANIZATION:

DOCUMENT NO: TXD 04 (28085) WC

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Item, Clause Sub-Clause No. Commented upon (Use Separate Box afresh)	Comments	Specific Proposal (Draft clause to be add/amended)	Remarks	Technical References and justification on which (2), (3), (4) are based
(1)	(2)	(3)	(4)	(5)