

भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

लचीली एवं वस्त्रादि फर्श आवरण – टाइलों और तख्तों के साइड की लंबाई,  
किनारे की सिधाई और वर्गाकारिता का निर्धारण  
(आई एस 17857 : 2022 पहला पुनरीक्षण)

*Draft Indian Standard*

**RESILIENT AND TEXTILE FLOOR COVERINGS —  
DETERMINATION OF SIDE LENGTH, EDGE STRAIGHTNESS AND  
SQUARENESS OF TILES AND PLANKS**

*(First Revision of IS 17857 : 2022)*

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 24342 : 2024 ‘Resilient and textile floor coverings — Determination of side length, edge straightness and squareness of tiles and planks’ issued by the International Organization for Standardization (ISO).

The standard was originally published in 2022. The first revision of the standard has been undertaken to align it with the latest version of ISO 24342 : 2024. The major changes in this revision are as follows:

— procedures have been modified to allow for differences between planks and tiles. Clauses 3, 4, 5, 8 and 9 have therefore been updated;

— uncertainty of measurement of the records defined by dial gauges method has been changed from 0,02 mm into 0,01 mm.

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 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 24342 : 2024 'Resilient and textile floor coverings — Determination of side length, edge straightness and squareness of tiles and planks'**

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](http://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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 219, Floor coverings, in collaboration with the European Committee for Standardization (CEN) Technical Committee

CEN/TC 134, Resilient and textile floor coverings, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition ([ISO 24342:2018](#)), which has been technically revised.

The main changes are as follows:

— procedures have been modified to allow for differences between planks and tiles. Clauses 3, 4, 5, 8 and 9 have therefore been updated;

— uncertainty of measurement of the records defined by dial gauges method has been changed from 0,02 mm into 0,01 mm.

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](http://www.iso.org/members.html).

## **1 Scope**

This document specifies methods for determining side lengths, straightness of edges and squareness of square and/or rectangular resilient or textile floor tiles and planks.

## **2 Normative references**

There are no normative references in this document.

## **3 Terms and definitions**

For the purposes of this document, the following terms and definitions 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/>

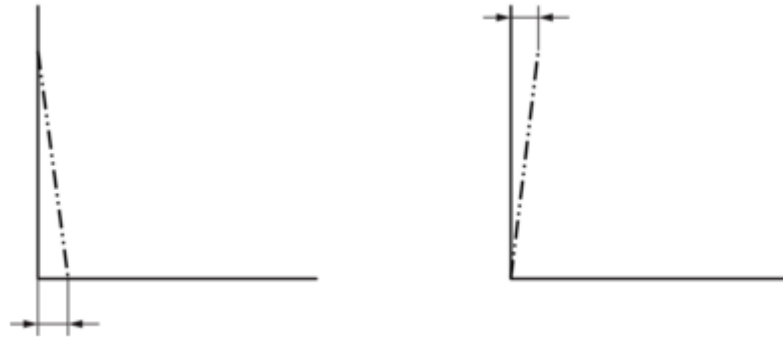
### **3.1**

#### **squareness**

measurement of the amount the corner of the tile/plank deviates from 90°

Note 1 to entry: See [Figure 1](#).

**Figure 1 — Definition of squareness**



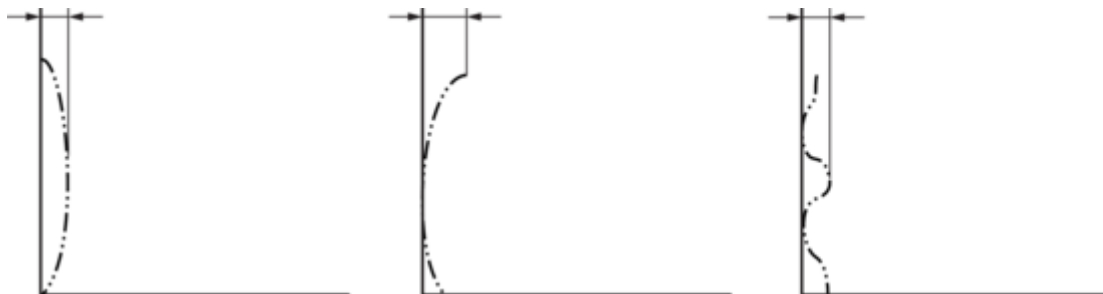
### 3.2

#### **straightness**

property of an edge to be straight, unbent

Note 1 to entry: Some examples are shown in [Figure 2](#).

**Figure 2 — Examples of straightness – Curved and S-Bow cases**



### 3.3

#### **tile**

#### **plank**

type of resilient or textile flooring of predetermined shape intended to be used in a modular mode

Note 1 to entry: Tiles are usually square. Planks have a ratio length divided by width superior or equal to 1,3. A modular product with a ratio inferior to 1,3 has to be considered as a tile.

## FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

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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
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(1)	(2)	(3)	(4)	(5)