

**DRAFT FOR COMMENTS ONLY**

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**भारतीय मानक मसौदा**  
**कागज़ और बोर्ड — पानी के प्रवेश के प्रतिरोध का निर्धारण**

*Draft Indian Standard*

**Paper and board — Determination of resistance to water  
penetration**

ICS 85.060

Paper Based Packaging Materials Sectional  
Committee: CHD 16

Last date of comments: 30 September 2025

**NATIONAL FOREWORD**

*(formal clauses to be added later)*

The ability of paper and board to resist water penetration is essential for many industrial and packaging applications. This draft standard specifies a method for the determination of the resistance of paper and board to water penetration under standard conditions.

This draft standard is applicable to papers and boards which have been rendered water resistant or waterproof by internal sizing, by surface sizing, by coating, or by lamination using waterproof laminates, or by any other method. This draft standard is not applicable for corrugated fibreboard but may be applied to components of such board.

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

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'; and
- 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 this draft standard, 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 186 Paper and board — Sampling to determine average quality	IS 1060 (Part 5/Sec 1) : 2014/ISO 186 : 2002 Methods of sampling and test for paper and allied products: Part 5 Methods of test for paper and board, Section 1 Sampling to determine average quality	Identical
ISO 187 Paper, board and pulps — Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples	IS 1060 (Part 4/Sec 1) :2025/ ISO 187 : 2022 Methods of sampling and test for paper and allied products: Part 4 Methods of test for paper, board and pulp: Section 1 Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples ( <i>First revision</i> )	Identical

In reporting the result 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*)’.

**‘FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 5633 : 1983**

**Note:** The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the copy of the complete ISO Standard, please contact:

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