भारतीय मानक मसौदा

भीतरी वायु

भाग 11 भवन निर्माण उत्पादों और साज-सज्जा के नमूनों से वाष्पशील कार्बनिक यौगिकों के उत्सर्जन का निर्धारण - नमूनाकरण, नमूनों का भंडारण और परीक्षण नमूनों की तैयारी

Draft Indian Standard

Indoor Air

Part 11 Determination of the Emission of Volatile Organic Compounds from Samples of Building Products and Furnishing — Sampling, Storage of Samples and Preparation of Test Specimens

ICS 13.040.20

Air Quality Sectional Committee, CHD 35	Last Date for Comments: **4th December 2025**

Air Quality Sectional Committee, CHD 35

NATIONAL FOREWORD

(Formal clause will be added later)

This part of ISO specifies the sampling procedures, transport conditions, storage and substrate used that can affect emissions of volatile organic compounds for three types of building products or furnishing: solid, liquid and combined. For individual products, the preparation of a test specimen for each type is specified.

This Indian Standard is published in several parts. The other parts in this series are:

Part 1 General aspects of sampling strategy

Part 2 Sampling strategy for formaldehyde

Part 3 Determination of formaldehyde and other carbonyl compounds in indoor and test chamber air — Active Sampling Method

Part 4 Determination of Formaldehyde — Diffusive Sampling Method

Part 5 Sampling Strategy for Volatile Organic Compounds (VOCs) (*Under preparation*) Doc No. 28183

Part 6 Determination of volatile organic compounds in indoor air and test chamber air by active sampling on Tenax TA® sorbent, thermal desorption and gas chromatography using MS/FID (*Under preparation*) Doc No. 28184

Part 7 Sampling strategy for determination of airborne asbestos fibre concentrations (*Under preparation*) Doc No. 28185

Part 9 Determination of the emission of volatile organic compounds from samples of building products and furnishing emission test chamber method (*Under preparation*) Doc No. 28186

Part 10 Determination of the emission of volatile organic compounds from building products and furnishing Emission test cell method (*Under preparation*) Doc No. 28187

Part 15 Sampling Strategy for Nitrogen Dioxide (NO_2) (*Under preparation*)

Part 37 Measurement of PM 2.5 mass concentration

Part 40 Indoor air quality management system

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:

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 in the International Standard, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

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

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 16000-9 Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test chamber method	Doc No. CHD/35/ 28186 IS 17118 (Part 9) : 20XX/ ISO 16000-9:2024 Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test chamber method	Identical
ISO 16000-10 Indoor air — Part 10: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test cell method	Doc No. CHD/35/ 28187 IS 17118 (Part 10) : 20XX/ ISO 16000-10:2006 Indoor air — Part 10: Determination of the emission of volatile organic compounds from building products and furnishing Emission test cell method	Identical

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard.

International Standard	*Title*
EN 1937	*Test method for hydraulic setting floor smoothing and/or levelling compounds — Standard mixing procedures*

EN 13892-1	Methods of test for screed materials — Part 1: Sampling, making and curing specimens for test

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are 27 ℃ ± 2 ℃ and (65 ± 5) percent, relative humidity and shall be observed while using this standard.

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 16000 -11 : 2024

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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