



ISO 16000-11

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**

Air intérieur —

*Partie 11: Dosage de l'émission de composés organiques
volatils d'échantillons de produits de construction et d'objets
d'équipement — Échantillonnage, conservation des échantillons
et préparation des éprouvettes d'essais*

**Second edition
2024-03**

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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This second edition cancels and replaces the first edition (ISO 16000-11:2006), which has been technically revised.

The main changes are as follows:

- detailed descriptions for the preparation of samples of liquid products like paints, varnishes and impregnating primers have been added;
- the wet layer thickness instead of the dry film thickness for preparing liquid samples have been recommended;
- sample preparation instructions have been added to determine the cut edge emissions.

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The determination of volatile organic compounds (VOCs) emitted from building products and furnishing using emission test chambers in conjunction with the standardised sampling, storage of samples and preparation of test specimens has objectives such as:

- to provide manufacturers, builders and end users with emission data useful for the evaluation of the impact of building products on the indoor air quality;
- to promote the development of improved products.

Studies of the emission of volatile organic compounds from building products or furnishing in test chambers or cells require proper handling of the product prior to testing and during the testing period.

The method can in principle be used for most building products and furnishings used indoors.

NOTE Depending on the non-homogeneity of the product, it can be necessary to make measurements on different test specimens to determine the specific emission rate.