



National Standards Authority of Ireland

IRISH STANDARD

ENV 13419-2:1999

ICS 13.040.99

**BUILDING PRODUCTS - DETERMINATION OF
THE EMISSION OF VOLATILE ORGANIC
COMPOUNDS - PART 2: EMISSION TEST
CELL METHOD**

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN PRESTANDARD
PRÉNORME EUROPÉENNE
EUROPÄISCHE VORNORM

ENV 13419-2

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English version

**Building products - Determination of the emission of volatile
organic compounds - Part 2: Emission test cell method**

Produits de construction - Détermination des émissions de
composés organiques volatils - Partie 2: Méthode de la
cellule d'essai d'émission

Bauprodukte - Bestimmung der Emission von flüchtigen
organischen Verbindungen - Teil 2: Emissionsprüfzellen-
Verfahren

This European Prestandard (ENV) was approved by CEN on 6 May 1999 as a prospective standard for provisional application.

The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into a European Standard.

CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Definitions, abbreviations, symbols and units	5
4 Principle	6
5 Apparatus	7
6 Test conditions	8
7 Verification of the test conditions	9
8 Test specimens	10
9 Emission test cell preparation	10
10 Test method	10
11 Calculation of area specific emission rates and expression of results	11
12 Test report	12
Annex A (normative) System for quality assurance / quality control	14
Annex B (informative) Examples of area specific air flow rates in a model room	15
Annex C (informative) Description of an example of an emission test cell	16
Annex D (informative) Bibliography	18

Foreword

This European Prestandard has been prepared by Technical Committee CEN/TC 264 "Air quality", the secretariat of which is held by DIN.

This prestandard consists of four parts:

- Part 1: Emission test chamber method;
- Part 2: Emission test cell method;
- Part 3: Procedure for sampling, storage of samples and preparation of test specimens;
- Part 4: Determination of VOCs; active sampling on Tenax TA, thermal desorption and gas chromatographic method.

Part 4 is under preparation within ISO/TC 146. It is intended that after the final voting stage, the CEN prestandard (Parts 1-3) will be taken over by ISO and the ISO standard (Part 4) will be taken over by CEN.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The determination of volatile organic compounds (VOCs) emitted from building products using emission test cells 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.
- On-site (factory) quality control of products emitting volatile organic compounds.
- On-site investigation of building product surfaces.

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

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