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National Standards Authority of Ireland

IRISH STANDARD

ENV 13419-2:1999

ICS 13.040.99

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

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

April 14, 2000

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EUROPEAN PRESTANDARD

PRÉNORME EUROPÉENNE

EUROPÄISCHE VORNORM

ENV 13419-2

August 1999

ICS 13.040.99

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

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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.

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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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