

Thermal performance of buildings — Air permeability of building components and building elements — Laboratory test method

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ICS 91.120.10

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National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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This British Standard, having been prepared under the direction of the Sector Committee for Building and Civil Engineering, was published under the authority of the Standards Committee and comes into effect on 15 June 2000

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ISBN 0 580 32418 4

Amendments issued since publication

Amd. No.	Date	Comments

English version

Thermal performance of buildings - Air permeability of building components and building elements - Laboratory test method

Performance thermique de bâtiments - Perméabilité à l'air
des composants et parois de bâtiments - Méthode d'essai
en laboratoire

Wärmetechnisches Verhalten von Gebäuden -
Luftdurchlässigkeit von Bauteilen - Laborprüfverfahren

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 89, Thermal performance of buildings and building components, the Secretariat of which is held by SIS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2000, and conflicting national standards shall be withdrawn at the latest by September 2000.

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

Introduction

Air permeability is an important performance characteristic for many types of building envelopes. The general test method given in this standard sets out the main features (definitions, apparatus, test procedure, expression of results) for the laboratory testing of air permeability of building components and parts of building envelopes. Annex A (normative) gives test conditions (which may depend on the type and use of the tested products), to be followed unless product specifications specify otherwise.

Except where specific products have properties which make application of this standard difficult, this standard should be used as the reference by all harmonized product specifications.

1 Scope

This standard defines a general laboratory test method for determining the air permeability of building components or building elements, when subjected to positive or negative air pressure differences. It specifies the definitions, the test equipment and procedure, and provides directions for the interpretation of results.

Annexes give indications on test conditions and a method for expressing results using a regression technique.

This standard is not applicable to whole buildings or on site measurements.

2 Normative references

No other European or International Standards are referred to.

3 Definitions, symbols and units

3.1 Definitions

For the purposes of this standard, the following definitions apply:

3.1.1 pressure difference: Difference in static pressure across a specimen.