SLOVENSKI STANDARD
SIST EN 12426:2001

01-september-2001

Vrata v industrijske in javne prostore ter garažna vrata - Prepustnost zraka - Klasifikacija

Industrial, commercial and garage doors and gates - Air permeability - Classification

Tore - Luftdurchlässigkeit - Klassifizierung

Portes équipant les locaux industriels, commerciaux et les garages - Perméabilité a l'air - Classification

Ta slovenski standard je istoveten z: **EN 12426:2000**

ICS:

91.060.50	Vrata in okna	Doors and windows
91.090	Konstrukcije zunaj stavb	External structures

SIST EN 12426:2001 **en**

EUROPEAN STANDARD
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English version

Industrial, commercial and garage doors and gates - Air permeability - Classification

Portes équipant les locaux industriels, commerciaux et les garages - Perméabilité à l'air - Classification

Tore - Luftdurchlässigkeit - Klassifizierung

This European Standard was approved by CEN on 19 July 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Contents

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 33 " Doors, windows, shutters, building hardware and curtain walling", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by January 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

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.

No existing EN standard is superseded.

This standard is one of a series of performance standards identified within the product standard prEN 13421:1998.

European Standards as well as relevant national regulations and standards will enable the actual exposure levels to be determined for the individual locations of the products.

1 Scope

1.1 General

This European Standard specifies the classification for air permeability for doors in a closed position, when tested in accordance with EN 12427.

The doors are intended for installation in areas in the reach of people, for which the main intended uses are giving safe access for goods, vehicles and persons in industrial, commercial or residential premises.

The doors may be manually or power operated.

This document applies to all doors provided in accordance with prEN 13241:1998.

1.2 Exclusions

It does not apply to:

- lock gates and dock gates;
- doors on lifts;
- doors on vehicles;
- armoured doors;
- doors mainly for the retention of animals;
- theatre textile curtains;
- horizontally moving doors less than 2,5 m wide and 6,25 m² area, designed principally for pedestrian use;
- revolving doors of any size;
- doors outside the reach of people (such as crane gantry fences);
- railway barriers;
- barriers used solely for vehicles.

2 Normative References

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 12427	Industrial, commercial and garage doors and gates - Air permeability - Test method
EN 12433-1	Industrial, commercial and garage doors and gates - Terminology - Part 1: Types of doors
EN 12433-2	Industrial, commercial and garage doors and gates - Terminology - Part 2: Parts of doors
prEN 13241:1998	Industrial, commercial and garage doors and gates - Product standard

3 Terms and definitions

For the purpose of this standard the terms and definitions in EN 12433-1 and EN 12433-2 apply. In addition the following definitions also apply:

3.1 Air permeability: ability of a test specimen in relation to the overall area, when in closed position, to allow air flow, expressed in $m^3/m^2 h$.

3.2 Overall area: the area of the structural opening of the specimen, expressed in square meters (m^2).

4 Classification

The air permeability of a test specimen shall be declared in relation to classes indicated in table 1.

A test specimen belongs to a specified class, if the test results measured in accordance with EN 12427 do not exceed the value specified for that class as given in table 1.

Table 1 - Air permeability classes

Class	Air permeability Δp at a pressure of 50 Pa [$m^3/m^2 h$]	Specification
0		No performance determined
1	24	
2	12	
3	6	
4	3	
5	1,5	
6		Exceptional; Agreement between manufacturer and purchaser for both leakage and pressure.

NOTE Where conditions above 50 Pa apply, then this is considered to be exceptional and higher than class 5 and should be the subject of contract approval between the manufacturer and the purchaser.

5 Marking

The performance class shall be clearly marked in accordance with prEN 13241:1998 either on the door label or in the relevant documentation.