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Irish Standard  
I.S. EN 15423:2008

# Ventilation for buildings - Fire precautions for air distribution systems in buildings

## I.S. EN 15423:2008

*Incorporating amendments/corrigenda issued since publication:*

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<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie	<b>Price Code:</b> I
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English Version

## Ventilation for buildings - Fire precautions for air distribution systems in buildings

Systèmes de ventilation des bâtiments - Sécurité incendie  
pour les systèmes de distribution d'air dans les bâtiments

Lüftung von Gebäuden - Brandschutz von Lüftungsanlagen  
in Gebäuden

This European Standard was approved by CEN on 11 March 2008.

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

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## **Foreword**

This document (EN 15423:2008) has been prepared by Technical Committee CEN/TC 156 “Ventilation for buildings”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

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## **1 Scope**

This document gives guidance for system designers, installers, commissioners and maintenance teams on the incorporation of protective measures for air distribution systems including dual purpose systems for smoke and heat exhaust systems within buildings, to prevent the initiation and the spread of fire, smoke and other by-products of combustion.

This document intends to only support any national (building) regulations, which are the basis of any design of a building or parts of it. It is up to the designer to enquire about the suitability (in particular in legal terms) of a specific solution given in this document (e.g. although “dual purpose systems” are covered in this document, they may not be permitted in some Member States or only in certain types of buildings).

This document applies to all air distribution systems including dual purpose systems (except systems only dedicated to smoke exhaust systems, which are dealt in other European standards) including technical rooms or spaces for the installation of devices to assist in ventilation of a building (e.g. distance of storage of combustible materials to devices and not the fire resistance of the building structure), penetrations, and following components/products used in the system like:

- inlet/outlet louvres;
- fans not exposed / exposed to the smoke;
- air control dampers;
- ducts;
- fire control dampers;
- air terminal devices;
- anchors and supports;
- duct fittings;
- control panels;
- cables and connections;
- air handling units;
- air filters;
- sound attenuators;
- heat exchangers.

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