

STANDARD

I.S. EN 13141-1:2004

ICS 91.140.30

VENTILATION FOR BUILDINGS -

PERFORMANCE TESTING OF

COMPONENTS/PRODUCTS FOR

RESIDENTIAL VENTILATION - PART 1:

EXTERNALLY AND INTERNALLY MOUNTED

AIR TRANSFER DEVICES

National Standards Authority of Ireland Dublin 9 Ireland

Tel: (01) 807 3800 Tel: (01) 807 3838

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

April 27, 2004

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2004 Price Code H

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 13141-1

January 2004

ICS 91.140.30

English version

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 1: Externally and internally mounted air transfer devices

Ventilation des bâtiments - Essais des performances des composants/produits pour la ventilation des logements -Partie 1: Dispositifs de transfert d'air montés en extérieur et en intérieur Lüftung von Gebäuden - Leistungsprüfungen von Bauteilen/Produkten für die Lüftung von Wohnungen - Teil 1: Außenwand- und Überströmluftdurchlässe

This European Standard was approved by CEN on 22 October 2003.

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.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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

EN 13141-1:2004 (E)

Contents

		page
Fore	word	3
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Performance testing of aerodynamic characteristics	7
4.1	Flowrate/pressure	7
4.2	Non-reverse flow ability	13
4.3	Air tightness when closed (for closeable externally mounted air transfer device)	
4.4	Geometrical free area	
4.5	Air diffusion in the occupied zone	14
5	Performance testing of sound insulation	17
6	Performance testing of water tightness	18
6.1	Principle	18
6.2	Test installation and conditions	18
6.3	Test procedure	18
6.4	Test report	
Anne	ex A (informative) Method for calculation of the equivalent area	19
Biblio	ography	20

EN 13141-1:2004 (E)

Foreword

This document (EN 13141-1:2004) 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 July 2004, and conflicting national standards shall be withdrawn at the latest by July 2004.

This standard is one of a series of standards on residential ventilation. The performance characteristics of the components/products for residential ventilation are given in EN 13142.

The position of this standard in the field of mechanical building services is shown in Figure 1.

Annex A is informative.

This document includes a bibliography.

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

EN 13141-1:2004 (E)

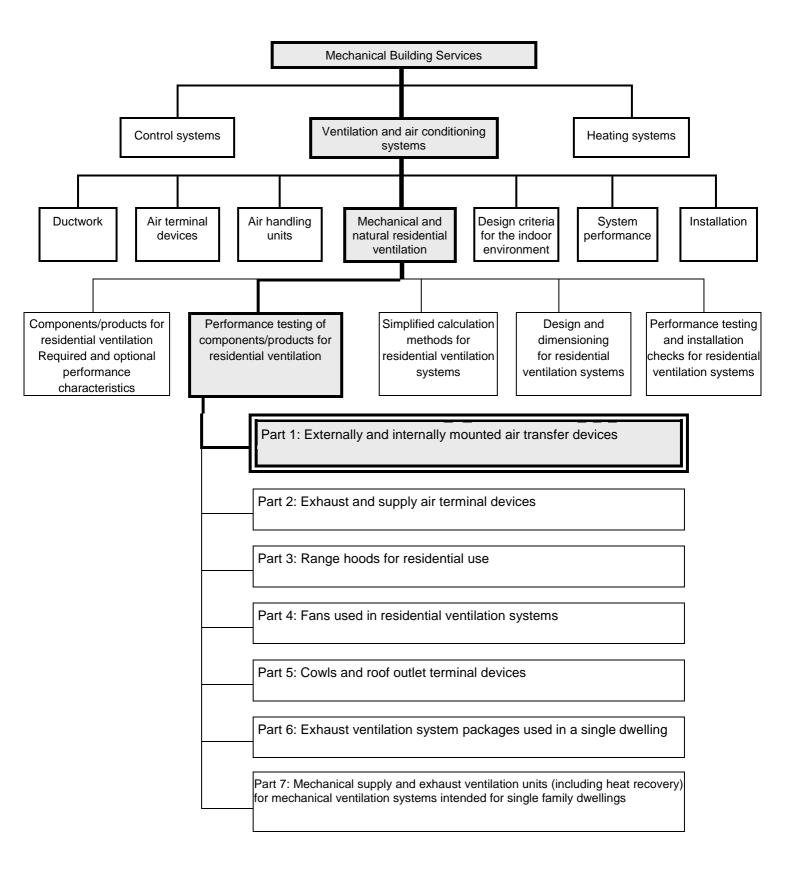


Figure 1 - Position of EN 13141-1 in the field of mechanical building services



The ic a nee previous i arenace are chare pasheaten at the limit selection	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation