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Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 14989-2:2007

ICS 91.060.40
91.140.30

**CHIMNEYS - REQUIREMENTS AND TEST
METHODS FOR METAL CHIMNEYS AND
MATERIAL INDEPENDENT AIR SUPPLY
DUCTS FOR ROOMSEALED HEATING
APPLICATIONS - PART 2: FLUE AND AIR
SUPPLY DUCTS FOR ROOM SEALED
APPLIANCES**

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ICS 91.060.40; 91.140.30

English Version

Chimneys - Requirements and test methods for metal chimneys
and material independent air supply ducts for roomsealed
heating applications - Part 2: Flue and air supply ducts for room
sealed appliances

Conduits de fumée - Exigences et méthodes d'essai pour
conduits de fumée métalliques et conduits d'alimentation
en air pour tous matériaux pour des appareils de chauffage
étanches - Partie 2: Conduits de fumée et d'alimentation en
air pour appareils étanches

Abgasanlagen - Anforderungen und Prüfverfahren für
Metall-Abgasanlagen und materialunabhängige
Luftleitungen für raumluftunabhängige Anlagen - Teil 2:
Abgas- und Luftleitungen für raumluftunabhängige
Feuerstätten

This European Standard was approved by CEN on 10 November 2007.

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Foreword

This document (EN 14989-2:2007) has been prepared by Technical Committee CEN/TC 166 "Chimneys", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by June 2008, and conflicting national standards shall be withdrawn at the latest by September 2009.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 14989 *Chimneys — Requirements and test methods for metal chimneys and material independent air supply ducts for roomsealed heating applications* consists of the following parts:

Part 1: Vertical air/flue terminals for C6-type appliances

Part 2: Flue and air supply ducts for room sealed appliances

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

Introduction

This European Standard covers flue and air supply ducts for room sealed appliances meaning the combination of chimney and air supply duct needed for the correct functioning of a room sealed appliance.

The requirements in this European Standard have been drawn up in connection with the widespread use of so-called room sealed appliances in which the combustion air supply duct and flue duct may be separate or as a concentric configuration.

The requirements for flue ducts for separate air/flue configurations are in EN 1856-1.

The requirements for terminals for room sealed appliances type C62 and C63 are covered by EN 14989-1.

1 Scope

This European Standard specifies requirements and test methods for metal flue ducts material independent air supply ducts for room sealed appliances.

It also specifies the requirements for marking, manufacturer's instruction, product information and evaluation of conformity.

NOTE 1 Recommendations for preferred dimensions of products are given in the informative Annex A.

NOTE 2 In this European Standard, only general requirements are specified for elastomeric and plastic components. Elastomeric and plastic products used in flue systems are covered by separate standards, i.e. EN 14241-1 and EN 14471.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1443:2003, *Chimneys — General requirements*

EN 1856-1:2003, *Chimneys — Requirements for metal chimneys — Part 1: System chimney products*

EN 1856-2:2004, *Chimneys — Requirements for metal chimneys — Part 2: Metal liners and connecting flue pipes*

EN 1859:2000, *Chimneys — Metal chimneys — Test methods*

EN 14241-1, *Chimneys — Elastomeric seals and elastomeric sealants — Material requirements and test methods — Part 1: Seals in flue liners*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989)*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

BS 1042-2.1, *Measurement of fluid flow in closed conduits — Velocity area method — Method using Pitot static tubes*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1443:2003, EN 1856-1:2003, EN 1856-2:2004, EN 1859:2000 and the following apply.

3.1

air supply duct

independent duct in a building or an integral part of an air/flue configuration conveying combustion air to a room sealed appliance

3.2

concentric air/flue configuration

configuration in which the chimney flue is fully surrounded by the air supply duct

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