



**NSAI**  
Standards

Irish Standard  
I.S. EN 13240:2001

# Roomheaters fired by solid fuel - Requirements and test methods

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## I.S. EN 13240:2001

*Incorporating amendments/corrigenda issued since publication:*

EN 13240:2001/A2:2004  
EN 13240:2001/A2:2003/AC:2006  
EN 13240:2001/AC:2006  
EN 13240:2001/A2:2004/AC:2007

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**EUROPEAN STANDARD**

**EN 13240:2001/A2:2004/AC**

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August 2007

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English version  
Version Française  
Deutsche Fassung

**Roomheaters fired by solid fuel - Requirements and test methods**

**Poêles à combustible solide - Exigences et méthodes d'essai**

**Raumheizer für feste Brennstoffe - Anforderungen und Prüfungen**

This corrigendum becomes effective on 1 August 2007 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 1 août 2007 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 1. August 2007 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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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Ref. No.: EN 13240:2001/A2:2004/AC:2007 D/E/F

### English version

A.6.2.9, replace “The values of A and p used in equation 21 are calculated as follows:” by  
“The values of A and  $m_s$  used in equation 21 are calculated as follows:”

Equation (22), replace “p” by “ $m_s$ ”.

In 6.2 Carbon monoxide emission, add the following NOTE:

“NOTE In some countries national laws also require limits for particulate and organic compound emissions, emissions under slow combustion conditions and for weighed values for emissions to be used. In some countries clean air legislation is based on the use of authorized fuels.”.

### Version française

A.6.2.9, remplacer “Les valeurs de A et p utilisées dans l'équation 21 sont calculées de la manière suivante :” par

“Les valeurs de A et  $m_s$  utilisées dans l'équation 21 sont calculées de la manière suivante :”

L'équation (22), remplacer “p” par “ $m_s$ ”.

### Deutsche Fassung

A.6.2.9, ersetze “Die Werte für A und p aus Gleichung 21 sind folgendermaßen zu berechnen:”  
durch

“Die Werte für A und  $m_s$  aus Gleichung 21 sind folgendermaßen zu berechnen:”

Gleichung (22), ersetze “p” durch “ $m_s$ ”.

**I.S. EN 13240:2001**

**EUROPEAN STANDARD**

**EN 13240:2001/AC**

**NORME EUROPÉENNE**

June 2006

**EUROPÄISCHE NORM**

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**Raumheizer für feste Brennstoffe -  
Anforderungen und Prüfung**

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Die Berichtigung tritt am 21. Juni 2006 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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Ref. No.: EN 13240:2001/AC:2006 D/E/F

**I.S. EN 13240:2001****EN 13240:2001/AC:2006 (E/F/D)****English version**

In A.6.2.7.1, replace formula 18 by the following:

$$\begin{aligned}
C_{\text{pmd}} = & 3,6 \times \left( 0,361 + 0,008 \times \left( \frac{t_a}{1000} \right) + 0,034 \times \left( \frac{t_a}{1000} \right)^2 \right. \\
& + \left( 0,085 + 0,19 \times \left( \frac{t_a}{1000} \right) - 0,14 \times \left( \frac{t_a}{1000} \right)^2 \right) \times \left( \frac{CO_2}{100} \right) \\
& \left. + \left( 0,3 \times \left( \frac{t_a}{1000} \right) - 0,2 \times \left( \frac{t_a}{1000} \right)^2 \right) \times \left( \frac{CO_2}{100} \right) \right) \quad (18)
\end{aligned}$$

A.6.2.1.2, Equation (4)

Replace “1,92” by “1,224”

**Version française**

En A.6.2.7.1, la formule 18 doit être remplacée par la formule suivante:

$$\begin{aligned}
C_{\text{pmd}} = & 3,6 \times \left( 0,361 + 0,008 \times \left( \frac{t_a}{1000} \right) + 0,034 \times \left( \frac{t_a}{1000} \right)^2 \right. \\
& + \left( 0,085 + 0,19 \times \left( \frac{t_a}{1000} \right) - 0,14 \times \left( \frac{t_a}{1000} \right)^2 \right) \times \left( \frac{CO_2}{100} \right) \\
& \left. + \left( 0,3 \times \left( \frac{t_a}{1000} \right) - 0,2 \times \left( \frac{t_a}{1000} \right)^2 \right) \times \left( \frac{CO_2}{100} \right) \right) \quad (18)
\end{aligned}$$

A.6.2.1.2, l'équation (4)

Remplacer “1,92” par “1,224”

**Deutsche Fassung**

In A.6.2.7.1 ist Berechnung 18 wie folgt zu ersetzen:

$$C_{\text{pmd}} = 3,6 \times \left( 0,361 + 0,008 \times \left( \frac{t_a}{1000} \right) + 0,034 \times \left( \frac{t_a}{1000} \right)^2 \right)$$

$$\begin{aligned} &+ \left( 0,085 + 0,19 \times \left( \frac{t_a}{1000} \right) - 0,14 \times \left( \frac{t_a}{1000} \right)^2 \right) \times \left( \frac{CO_2}{100} \right) \\ &+ \left( 0,3 \times \left( \frac{t_a}{1000} \right) - 0,2 \times \left( \frac{t_a}{1000} \right)^2 \right) \times \left( \frac{CO_2}{100} \right) \end{aligned} \quad (18)$$

Das folgende Unterabschnitttitel ist hinzuzufügen

**A.6.2.1.1 Allgemeines**

A.6.2.1.2 (früher A.6.2.1.1), Gleichung (4)

Ersetzen "1,92" durch "1,224".

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ICS 97.100.30

English version

## Roomheaters fired by solid fuel - Requirements and test methods

Poêles à combustible solide - Exigences et méthodes d'essai

Raumheizer für feste Brennstoffe - Anforderungen und Prüfungen

This amendment A2 modifies the European Standard EN 13240:2001; it was approved by CEN on 10 May 2004.

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

## I.S. EN 13240:2001

### EN 13240:2001/A2:2004 (E)

#### Foreword

This document (EN 13240:2001/A2:2004) has been prepared by Technical Committee CEN/TC 295 "Residential solid fuel burning appliances", the secretariat of which is held by BSI.

This Amendment to the European Standard EN 13240:2001 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2005, and conflicting national standards shall be withdrawn at the latest by May 2006.

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 standard.

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ICS 97.100.30

English version

## Roomheaters fired by solid fuel - Requirements and test methods

Poêles à combustible solide - Exigences et méthodes d'essai

Raumheizer für feste Brennstoffe - Anforderungen und Prüfung

This European Standard was approved by CEN on 7 April 2001.

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## **Foreword**

This European Standard has been prepared by Technical Committee CEN/TC 295 "Residential solid fuel burning appliances", 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 December 2001, and conflicting national standards shall be withdrawn at the latest by December 2002.

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**1 Scope**

This European Standard specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) instructions and marking together with associated test methods and test fuels for type testing residential roomheaters fired by solid fuel.

This Standard is applicable to non-mechanically fired appliances which are listed under categories 1a and 2a of Table 1. These appliances provide heat into the space where they are installed. Additionally, where fitted with a boiler, they also provide domestic hot water and/or central heating. These appliances may burn either solid mineral fuels, peat briquettes, natural or manufactured wood logs or be multi-fuel in accordance with the appliance manufacturer's instructions.

This standard is not applicable to appliances with fan assisted combustion air.

**Table 1 - Categorisation of appliances**

	a) Freestanding or inset appliances without functional modification	b) Freestanding or inset appliances which have functional modification	c) Inset appliances for fireplace recess and enclosure
1 Appliances operating with firedoors closed	EN 13240	EN 13229	EN 13229
2 Appliances operating with firedoors closed or open	EN 13240	EN 13229	EN 13229
3 Open fires without firedoors	EN 13229	EN 13229	EN 13229

NOTE Without functional modification means "modification of the surround of an appliance, that only changes the transmission of heat, without effect on combustion".

**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 (including amendments).

EN 1561:1997	Founding - Grey cast irons
EN 1563:1997	Founding - Spheroidal graphite cast iron
EN 10025:1993	Hot rolled products of non-alloy structural steels - Technical delivery conditions
EN 10027-2:1992	Designation systems for steels - Part 2: Numerical system

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