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



Irish Standard I.S. EN 13834:2009+A1:2009

# Cookware - Ovenware for use in traditional domestic ovens

© NSAI 2009 No copying without NSAI permission except as permitted by copyright law.

*Incorporating amendments/corrigenda issued since publication:* EN 13834:2007/A1:2009

<i>This document replaces:</i> I.S. EN 13834:2007	<i>This document is based on:</i> EN 13834:2007+A1:2009 EN 13834:2007	<i>Publish</i> 11 Feb 28 June	ruary, 2009	
This document was published under the authority of the NSAI and comes into effect on: 20 March, 2009			ICS number: 97.040.60	
Northwood, Santry F +3 Dublin 9 E st	Sales: 53 1 807 3800 T +353 1 8 53 1 807 3838 F +353 1 8 andards@nsai.ie W standar SAl.ie	57 6729	Price Code: I	
Údarás um Chaighdeáin Náisiúnta na hÉireann				

# EUROPEAN STANDARD

# EN 13834:2007+A1

# NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2009

ICS 97.040.60

Supersedes EN 13834:2007

**English Version** 

# Cookware - Ovenware for use in traditional domestic ovens

Articles culinaires - Articles culinaires à usage domestique conçus pour la cuisson au four traditionnel Kochutensilien - Ofengeschirre zur Verwendung in Haushalts-Backöfen

This European Standard was approved by CEN on 26 April 2007 and includes Amendment 1 approved by CEN on 29 December 2008.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



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

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

© 2009 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 13834:2007+A1:2009: E

## EN 13834:2007+A1:2009 (E)

# Contents

	Pa	ige
Forewo	ord	3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Materials	6
5	General conditions for testing	6
6	Construction	6
7	Furniture	8
8	Coatings	8
9	Stability – Deformation test	. 10
10	Product Information	. 11
Annex	A (normative) Test for heat resistance of ovenware and furniture	. 12
Annex	B (normative) Handle fatigue test	. 13
Annex	C (normative) Non-stick performance test for bakeware – Easy clean performance test for metallic and ceramic bakeware – Corrosion test for tinned bakeware	. 15
Annex	D (normative) Non-stick performance test for roasting and gratin dishes – Easy clean performance test for roasting and gratin dishes – Corrosion test for tinned roasting and gratidishes	
Annex	E (normative) Resistance to staining of hard anodized coatings	. 17
Annex	F (normative) Resistance to alkali of hard anodized aluminium	. 18
Annex	G (normative) Central loading test	. 19
Annex	H (normative) Eccentric loading test	. 22
Annex	I (normative) Tearing test for flexible ovenware	. 26

# Foreword

This document (EN 13834:2007+A1:2009) has been prepared by Technical Committee CEN/TC 194 "Utensils in contact with food", 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 August 2009, and conflicting national standards shall be withdrawn at the latest by August 2009.

This document includes Amendment 1, approved by CEN on 2008-12-29.

This document supersedes A1 EN 13834:2007. (A1

The start and finish of text introduced or altered by amendment is indicated in the text by tags  $A_{1}$   $A_{1}$ .

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 United Kingdom.

#### 1 Scope

This European Standard specifies safety and performance requirements for items of ovenware for use in domestic ovens. It is applicable to ovenware regardless of material or method of manufacture.

It is applicable to products intended for use both on top of the stove and in oven.

This European Standard is not applicable to metal pots, items for single use, throwaway ovenware or ovenware intended for use in a microwave oven only.

### 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.

A) EN 1183:1997 ⟨A], Materials and articles in contact with foodstuffs — Test methods for thermal shock and thermal shock endurance

EN 14483-2:2004, Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 2: Determination of resistance to chemical corrosion by boiling acids, neutral liquids and/or their vapours

EN 14916, Domestic cookware — Graphical symbols (pictograms)

EN ISO 2064, Metallic and other inorganic coatings — Definitions and conventions concerning the measurement of thickness (ISO 2064:1996)

EN ISO 2360, Non-conductive coatings on non-magnetic electrically conductive basis materials — Measurement of coating thickness — Amplitude-sensitive eddy current method (ISO 2360:2003)

A EN ISO 2409:2007 (A, Paints and varnishes — Cross-cut test (A) (ISO 2409:2007) (A

ISO 2747, Vitreous and porcelain enamels — Enamelled cooking utensils — Determination of resistance to thermal shock

ISO 4532, Vitreous and porcelain enamels — Determination of the resistance of enamelled articles to impact — *Pistol test* 

ISO 13805, Vitreous and porcelain enamels for aluminium — Determination of the adhesion of enamels on aluminium under the action of electrolytic solution (spall test)

#### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

#### ovenware

utensil, in the form of a hollow or flat container, intended for use in the cooking of food either solid or liquid

- NOTE Ovenwares include, but are not restricted to, the follow items:
  - gratin and roasting dishes used in the preparation and cooking of vegetable and meat dishes;
  - ceramic pots used in the preparation and cooking of meats and/or vegetables;
  - bakeware used in the preparation and cooking of various types of dough mixtures (bakeware varies in shape and may include removable parts)
  - pate mould used in the preparation and cooking of pates.



This is a free preview. Purchase the entire publication at the link below:

**Product Page** 

S Looking for additional Standards? Visit Intertek Inform Infostore

> Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation