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BSI Standards Publication

Cookware — Ovenware for use in traditional domestic ovens

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National foreword

This British Standard is the UK implementation of EN 13834:2020. It supersedes BS EN 13834:2007+A1:2009, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CW/9, Cooking and catering containers.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Attention is drawn to Subclause 6.1.8, which introduces a method for determining thermal shock resistance that differs from the method defined in BS EN 1183:1997, Subclause 6.3. The UK committee considers that the test methods for determining thermal shock and thermal shock endurance contained within BS EN 1183:1997 are the most appropriate to use for evaluating the suitability of brittle materials such as ceramic, glass or glass-ceramics intended for use in ovens or as tableware.

The committee would like to recommend that articles designated by suppliers as 'ovenware', 'oven-proof', 'oven-safe', 'oven to tableware', or any other similar description which suggests that the articles can be safely used in an oven, should when tested in accordance with BS EN 1183:1997, Test Method B, have a thermal shock endurance, ΔT_{50} , of not less than 150 °C.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 539 05600 6

ICS 97.040.60

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2020.

Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

September 2020

ICS 97.040.60

Supersedes EN 13834:2007+A1:2009

English Version

Cookware - Ovenware for use in traditional domestic ovens

Articles culinaires - Articles culinaires à usage domestique pour la cuisson au four traditionnel

Kochgeschirre - Ofengeschirre zur Verwendung in Haushalts-Backöfen

This European Standard was approved by CEN on 3 August 2020.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 13834:2020) has been prepared by Technical Committee CEN/TC 194 "Utensils in contact with food", the secretariat of which is held by AFNOR.

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 March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13834:2007+A1:2009.

The major technical changes in this document compared to EN 13834:2007+A1:2009 concern requirements for handle fatigue resistance (7.4 and Annex B).

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

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1 Scope

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

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1183:1997, *Materials and articles in contact with foodstuffs — Test methods for thermal shock and thermal shock endurance*

EN 12875-1:2005, *Mechanical dishwashing resistance of utensils — Part 1: Reference test method for domestic articles*

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)*

EN ISO 2360, *Non-conductive coatings on non-magnetic electrically conductive base metals — Measurement of coating thickness — Amplitude-sensitive eddy-current method (ISO 2360)*

EN ISO 2409:2013, *Paints and varnishes — Cross-cut test (ISO 2409:2013)*

EN ISO 28706-2:2017, *Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids, alkaline liquids and/or their vapours (ISO 28706-2:2017)*

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)*