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Cookware - Domestic cookware for use on top of a stove, cooker or hob - Part 1: General requirements



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 97.040.60

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EUROPEAN STANDARD

EN 12983-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2023

ICS 97.040.60

Supersedes EN 12983-1:2000, EN 12983-1:2000/A1:2004, EN 12983-1:2000/AC:2008

English Version

Cookware - Domestic cookware for use on top of a stove, cooker or hob - Part 1: General requirements

Articles culinaires - Articles culinaires à usage domestique pour cuisinières et plaques de cuisson - Partie 1 : Prescriptions générales

Kochgeschirre - Haushaltskochgeschirre zur Verwendung auf einem Herd oder Kochfeld - Teil 1: Allgemeine Anforderungen

This European Standard was approved by CEN on 9 January 2023.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 12983-1:2023) 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of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.

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 12983-1:2000, EN 12983-1:2000/A1:2004 and EN 12983-1:2000/AC:2008.

The main changes compared to the previous edition are listed below:

- revision of requirements and associated tests for:
 - handles;
 - coating;
 - heat suitability;
 - heat distribution;
- inclusion of requirements of CEN/TS 12983-2:2005 (except requirements for ceramic).

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, Türkiye and the United Kingdom.

1 Scope

This document specifies safety and performance requirements for items of cookware for domestic use on top of a stove, cooker or hob. It is applicable to all cookware regardless of material or method of manufacture. It is also applicable to cookware intended for use both “on top” and “in oven”.

Hob types covered by this document are gas, electric solid plate, electric radiant ring, radiant plate in glass ceramic and induction plate in glass ceramic.

This document is not applicable to pressure cookers, stove top water kettles and coffee makers.

NOTE 1 Requirements for suitability for use in automatic dishwashers are under study by a specialist group and will be added by amendment when completed.

NOTE 2 The requirements for ceramic and glass ceramic are specified in Part 2.

NOTE 3 The additional requirements for cookware for use on induction heating sources are specified in Part 3.

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 30-1-1, *Domestic cooking appliances burning gas - Part 1-1: Safety - General*

EN 60350-2, *Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance*

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 2409:2020, *Paints and varnishes - Cross-cut test (ISO 2409:2020)*

EN ISO 4628-2, *Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 2: Assessment of degree of blistering (ISO 4628-2)*

EN ISO 28706-1, *Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 1: Determination of resistance to chemical corrosion by acids at room temperature (ISO 28706-1)*

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 10093, *Plastics — Fire tests — Standard ignition sources*