



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 12983-1:2023

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

02/2023



National Foreword

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English Version

**Cookware - Domestic cookware for use on top of a stove,
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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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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 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of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.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*

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

cookware

utensil, in the form of a hollow container, intended for use in the cooking of food or liquids on the top of a stove, cooker or hob, and/or in an oven

3.2

fixing system

attachment method, or methods, utilized in fastening a handle to the body of an item of cookware or to fix a knob to a lid

3.3

capacity

maximum volume of water which can be held by the article on a level surface

Note 1 to entry: 0,1 % (mass fraction) of hand wash detergent shall be added to the water in order to minimize the surface tension.

3.4

usable capacity

two thirds of the capacity

Note 1 to entry: The true usable capacity of the cookware varies with the food being cooked. The figure given here is an average value intended for use in test situations only and not as information to the consumer.

3.5

handle

projection integral with or affixed to the body of the cookware and intended to facilitate the carrying and holding of the article in normal use

3.6

knob

short projection integral with or affixed to the lid of the cookware to facilitate positioning or removal in normal use

3.7

shallow item

cookware of overall internal depth 1/3 or less of the interior diameter at the rim

3.8

furniture

handles and knobs