

English version

**Cookware - Domestic cookware for use on top of a stove,
cooker or hob - Part 2: Further general requirements and
specific requirements for ceramic, glass and glass ceramic
cookware**

Articles culinaires - Articles culinaires à usage domestique
pour cuisinières et plaques de cuisson - Partie 2 :
Exigences générales supplémentaires et exigences
spécifiques pour articles culinaires en verre et en
céramique

Kochutensilien - Haushaltskochgeschirre zur Verwendung
auf einem Ofen, Herd oder Kochmulde - Teil 2: Weitere
allgemeine Anforderungen und spezifische Anforderungen
für Keramik- und Glaskochgeschirre

This Technical Specification (CEN/TS) was approved by CEN on 14 September 2004 for provisional application.

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Foreword

This document (CEN/TS 12983-2:2005) has been prepared by Technical Committee CEN/TC 194 “Utensils in contact with food”, the secretariat of which is held by BSI.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document, part of EN 12983, specifies safety and performance requirements of items of domestic cookware for use on top of a stove, cooker or hob and is applicable to all cookware regardless of material or method of manufacture. It also applies to products intended for use both "on top" and "in oven".

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

This document is complementary to EN 12983-1.

NOTE 1 Requirements for suitability for use with Induction hobs are in the process of being compiled and will be issued as a complementary standard.

NOTE 2 Requirements for suitability for use in automatic dishwashers is under study by a specialist group and will be added by amendment when completed.

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.

EN 12983-1:2000, *Cookware – Domestic cookware for use on top of a stove, cooker or hob - Part 1: General requirement*.

ENV 12875-1, *Mechanical dishwashing resistance of domestic utensils – Part 1: Reference test method*.

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 4628-2:2003)*.

ISO 2747, *Vitreous and porcelain enamel - Enamel cooking utensils – Determination of resistance to thermal shock*.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12983-1:2000 and the following apply:

3.1

glass

inorganic non-metallic material produced by the complete fusion of raw materials at a high temperature into a homogeneous liquid which is then cooled to a rigid condition essentially without crystallisation

3.2

glass ceramic

inorganic, non-metallic material produced by the complete fusion of raw materials at high temperatures into a homogeneous liquid which is then cooled to a rigid material and heat treated to achieve a certain degree of crystallisation, mainly sub-microscopic small crystallites

4 Resistance to pull of handle assembly

When tested as described in Annex A, a handle assembly shall withstand a dynamic impact of 1,5 N.m without any reduction in the security of the fixing system.

5 Non-stick coatings

5.1 General

The requirements given in this clause apply to any surfaces which are claimed to be non-stick.

NOTE Non-stick coatings are intended to facilitate the release of food after cooking and also cookware cleaning.

5.2 Endurance

When tested as described in Annex B, any surface claimed to be non-stick shall leave no portion greater than 10 % of the surface area of the pancake still adhering to the test surface.

5.3 Corrosion resistance

When tested as described in Annex C, any surface claimed to be non-stick shall show no blistering exceeding size 2 density 2 according to EN ISO 4628-2.

6 Suitability for use with various heat sources

6.1 Declaration of suitability

The manufacturer or supplier shall declare the heat source(s) for which their products are suitable.

6.2 Heat distribution

If suitability for use on solid plate or glass ceramic hobs with radiant or halogen heaters is claimed, when tested as described in Annex D, the temperature at the point where the sugar first melted shall not exceed 290 °C at the completion of the test.

6.3 Suitability

Test methods for the evaluation of suitability for various heat sources are given in Annex E as guidance to manufacturers and suppliers who wish to claim suitability of their cookware for use with solid plate or glass ceramic hobs with radiant or halogen heaters. These tests do not apply to shallow items.

7 Glass and glass ceramic ware

7.1 Bodies

When tested as described in ISO 2747, the minimum failure temperature shall be 280 °C.

7.2 Lids

When tested as described in Annex F, there shall be no damage caused to the test piece.