



National Standards Authority of Ireland

IRISH STANDARD

I.S. CEN/TS 12983-2:2005

ICS 97.040.60

**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**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
May 5, 2005*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2005

Price Code H

Údarás um Chaighdeáin Náisiúnta na hÉireann

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 12983-2

February 2005

ICS 97.040.60

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.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of 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.



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

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

CEN/TS 12983-2:2005 (E)

Contents	page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Resistance to pull of handle assembly.....	4
5 Non-stick coatings.....	5
5.1 General.....	5
5.2 Endurance	5
5.3 Corrosion resistance.....	5
6 Suitability for use with various heat sources	5
6.1 Declaration of suitability	5
6.2 Heat distribution	5
6.3 Suitability.....	5
7 Glass and glass ceramic ware.....	5
7.1 Bodies	5
7.2 Lids.....	5
Annex A (normative) Test for resistance to pull.....	6
A.1 Apparatus	6
A.2 Procedure	6
Annex B (normative) Endurance tests for non-stick coatings.....	8
B.1 Apparatus	8
B.2 Test batter.....	8
B.3 Procedure	13
Annex C (normative) Corrosion resistance of non-stick surfaces	14
C.1 General.....	14
C.2 Procedure	14
Annex D (normative) Heat distribution	15
D.1 Apparatus	15
D.2 Materials	15
D.3 Procedure	15
Annex E (informative) Conditions for deciding suitability for use with solid plate and ceramic hobs with radiant or halogen heating	17
E.1 Apparatus	17
E.2 Test conditions	17
E.3 Procedure	18
E.4 Hob efficiency	19
E.4.1 General.....	19
E.4.2 Apparatus	19
E.4.3 Procedure	20
Annex F (normative) Test for the thermal shock resistance of glass lids	22
F.1 Apparatus	22
F.2 Procedure	22

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.

CEN/TS 12983-2:2005 (E)

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.

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

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-