

ICS 97.060

English Version

**Cookware - Domestic cookware for use on top of a stove,
cooker or hob - Part 3: Cookware for use on induction heating
sources**

Articles culinaires - Articles culinaires à usage domestique
pour cuisinières et plaques de cuisson - Partie 3: Articles
culinaires pour plaques à induction

Kochutensilien - Haushaltskochgeschirre zur Verwendung
auf einem Ofen, Herd oder Kochmulde - Teil 3:
Kochgeschirre zur Verwendung auf Induktionsheizquellen

This Technical Specification (CEN/TS) was approved by CEN on 13 August 2007 for provisional application.

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Performance – Suitability for use on an induction heat source	5
5 Design	5
6 Care and use instructions.....	5
Annex A (normative) Conditions for deciding suitability for use with induction heat sources.....	7
A.1 Apparatus	7
A.2 Test conditions	8
A.3 Determination of the power consumption of the reference pan.....	8
A.4 Procedure for cooking pans.....	8
Annex B (normative) Determination of the base stability on induction heat sources.....	9
B.1 Apparatus	9
B.2 Procedure	9
Annex C (normative) Water uptake by the base	10
C.1 Apparatus	10
C.2 Procedure	10
Annex D (normative) Safety of utensils with internal non-stick-coating when heated up empty.....	11
D.1 Apparatus	11
D.2 Procedure	11

Foreword

This document (CEN/TS 12983-3:2007) 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 CEN Technical Specification: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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1 Scope

This Technical Specification specifies safety and performance requirements for items of domestic cookware for use on induction heating sources (top of a stove, cooker or hob) and is applicable to all cookware regardless of material or method of manufacture. It covers products intended for use both "on top" and "in oven".

This Technical Specification is complementary to EN 12983-1 and CEN/TS 12983-2.

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 requirements*

CEN/TS 12983-2:2005, *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*

3 Terms and definitions

For the purposes of this Technical Specification the terms and definitions given in EN 12983-1:2000 and the following apply.

3.1

sandwich base

high thermal conductivity material such as aluminium or copper applied to the exterior base of a piece of cookware made of low thermal conductivity material, such as stainless steel, covered by another disc of stainless steel

NOTE The edge of the high thermal conductivity material will be visible between the base of the cookware and the outer disc.

3.2

encapsulated base

type of sandwich base in which the high thermal conductivity base is completely covered by an outer skin of a low thermal conductivity material, such as stainless steel

3.3

sound

resonance between the piece of cookware and the inductor resulting in noise at audible frequencies

3.4

active base diameter

diameter of the pan base which interacts with the inductor

3.5

pan detection mechanism

device incorporated in a hob element that prevents its operation unless an appropriate piece of cookware is placed on the hob element