

Specification for domestic ceramicware and glassware — Articles intended for contact with foodstuffs, and vases

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Foreword

This Publicly Available Specification, PAS 54:2003, has been prepared by BSI to provide an interim specification for ceramic tableware and glassware. It is not intended to be applicable to articles that are designed primarily for ornamental uses.

This PAS specifies important safety requirements relating to the release of metals from ceramic tableware and glassware in contact with foodstuffs, in accordance with legislative requirements, i.e. The Ceramic Ware (Safety) Regulations 1988, SI 1988 no. 1647. This PAS also specifies other important requirements relevant to ceramic tableware and glassware for home and domestic use.

This specification is not intended to restrict new developments in design and materials.

This PAS is not to be regarded as a British Standard. It will be withdrawn upon publication of its content in, or as, a British Standard.

Acknowledgement is given to the following organisations that were consulted in the development of this specification.

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CERAM Research Limited

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This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 9 and a back cover.

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1 Scope

This PAS specifies requirements for ceramicware and glassware intended primarily for home and domestic use.

This PAS acts as an umbrella PAS, referring to a variety of standards on ceramicware and glassware. It covers the following:

- requirements for ceramicware, glassware and glass ceramicware:
 - chemical composition;
 - integrity of handle attachments;
 - resistance to impact breakage in service;
 - thermal shock endurance;
 - metal marking;
 - performance of vessels for pouring;
 - handle and knob temperature;
 - stability;
 - water retention;
 - metal release;
 - metal release: lip/rim test.
- additional requirements for ceramicware:
 - water absorption;
 - crazing resistance;
 - translucency.
- additional requirements for glassware:
 - durability – hand washing;
 - temper level.
- additional requirements for special applications:
 - microwave usage;
 - resistance to freezing and freezer to oven usage;
 - freezer to microwave usage;
 - dishwasher usage (durability);
- conformity marking.

NOTE This specification is not applicable to vitrified hotelware or corporate ware, for which there is a separate specification, BS 4034.

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.

ASTM C 148¹⁾, *Standard test methods for polariscopic examination of glass containers.*

ASTM C 927-80¹⁾, *Standard test method for lead and cadmium extracted from the lip and rim area of glass tumblers externally decorated with ceramic glass enamels.*

BS 3828, *Specification for crystal glass.*

BS 5416, *Specification for china tableware.*

BS 6748, *Specification for limits of metal release from ceramicware, glassware, glass ceramicware and vitreous enamel ware.* (Derived from EEC Directive 84/500/EEC.)

¹⁾ Available from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, Pennsylvania, USA 19428-2959, <http://www.astm.org>.