

Specification for Crystal glass

UDC 666.21

Confirmed January 2012

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Co-operating organizations

The Glass Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following scientific and industrial organizations:

- British Glass Industry Research Association*
- British Lampblown Scientific Glassware Manufacturers' Association
- British Plastics Federation
- Flat Glass Manufacturers' Association
- Glass Manufacturers' Federation*
- Greater London Council
- Scientific Instrument Manufacturers' Association
- Society of Glass Technology*
- University of Sheffield (Department of Glass Technology)

The scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- China and Glass Retailers' Association of the United Kingdom
- Department of Trade and Industry
- Institute of Trading Standards Administration
- Retail Trading — Standards Association Incorporated

This British Standard, having been approved by the Glass Industry Standards Committee, was published under the authority of the Executive Board on 28 February 1973

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First published December 1964
First revision February 1973

The following BSI references relate to the work on this standard:
Committee reference GLC/11
Draft for approval 72/55145

ISBN 0 580 07853 1

Amendments issued since publication

Amd. No.	Date of issue	Comments
1201	June 1973	Indicated by a sideline in the margin

Contents

	Page
Co-operating organizations	Inside front cover
Foreword	ii
Section 0. General	
0.1 Scope	1
Section 1. Crystal glass complying only EEC Directive	
1.1 Scope of Section 1	1
1.2 Designation	1
1.3 Chemical composition	1
1.4 Physical properties	1
1.5 Labelling	1
1.6 Use of the BS number	1
Annex I List of categories of crystal glass	2
Annex II Methods for determination of chemical and physical properties of the categories of crystal glass	3
Section 2. Crystal glass complying both with EEC Directive and with certain additional requirements	
2.1 Scope of Section 2	4
2.2 Requirements	4
2.3 Test methods	4
2.4 Quality of articles	5
2.5 Marking of articles	5
Appendix A Suitable methods of test (for use only in connection with Section 2)	6
Figure 1 — Suitable apparatus for the determination of refractive index	7
Publication referred to	8

Foreword

This British Standard was first published in 1964 under the title “Lead crystal glasses”, having been prepared at the request of the Glass Manufacturers’ Federation by a representative Technical Committee under the authority of the Glass Industry Standards Committee. The 1964 edition specified requirements for two categories of lead crystal glass: “full lead crystal glass” with a minimum lead oxide content of 30 % and “lead crystal glass” with a minimum lead oxide content of 24 %.

The present revision, also prepared at the request of the Glass Manufacturers’ Federation, takes into account the EEC Directive of 15 December 1969 on crystal glasses, and specifies four categories of crystal glass, together with test methods for their assessment and marking for their identification.

For convenience the specification is divided into two Sections. Section 1 is technically identical with the EEC Directive in regard to the quality of the glass and the provisions for testing and labelling.

Section 2, which relates only to the glasses of Categories 1 and 2, specifies certain additional requirements which in effect maintain the superior quality of glasses of UK manufacture complying with the requirements specified in BS 3828:1964.

In the opinion of the Technical Committee, the provisions of Section 2 would be a suitable basis for a proposal to revise the EEC Directive and could in due course be put forward by the UK Government for this purpose. It is recognized, however, that such a proposal is unlikely to receive consideration before the date of 1 July 1973 when the EEC Directive in its existing form is required to be implemented in the UK.

For the time being, therefore, it is proposed to effect this implementation by means of a statutory instrument making reference to BS 3828-1:1973.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Section 0. General

0.1 Scope

This British Standard specifies requirements for chemical composition and physical properties of categories of glass used in the manufacture of crystal glassware, together with appropriate test methods and marking provisions.

Section 1 specifies four categories of glass, as defined in the corresponding Directive of the Council of the Economic Communities.

Section 2 specifies additional requirements relating to only two of these categories of glass.

NOTE The title of the British Standard referred to in Section 2 of this standard is given on page 8.

Section 1. Crystal glass complying only with EEC Directive

1.1 Scope of Section 1

This Section of this British Standard specifies requirements for chemical composition and major physical properties, with associated test methods and marking provisions, for four categories of glass used in the manufacture of crystal glassware, as defined in the Directive 69/493/CEE, dated 15 December 1969, of the Council of the European Communities.

1.2 Designation

Annex I shows the designations and symbols allotted in the EEC Directive to four categories of glass, for which the equivalent English designations are:

- 1) full lead crystal 30 %;
- 2) lead crystal 24 %;
- 3) crystallin *or* crystal glass;
- 4) crystallin *or* crystal glass.

1.3 Chemical composition

The chemical composition of the glasses, when tested in accordance with the methods described in Clause 1 of Annex II, shall be as shown in Annex I.

1.4 Physical properties

The physical properties of the glasses, when tested in accordance with the methods described in Clause 2 of Annex II, shall be as shown in Annex I.

1.5 Labelling

Labelling used in connection with the glasses shall be in accordance with the following principles:

1) The designations in column b of Annex I, and the English equivalents given in 1.2, shall not be used to describe products that do not comply with the corresponding requirements in columns d to g of Annex I.

2) A product bearing one of these designations may also have the corresponding identification symbol defined in columns h and i of Annex I.

3) If a trade mark, the name of an undertaking or other inscription includes any of these designations or is liable to be confused with any of them, then such mark, name or inscription shall be accompanied, clearly and in close proximity, by:

- a) the designation of the product if it complies with the requirements for one of the categories in Annex I, or
- b) an indication of the exact nature of the product if it does not comply with these requirements.

4) The designations and identification symbols may be used on the same label.

1.6 Use of the BS number

If the number of this British Standard is used in connection with glasses complying with the requirements specified in Section 1 only of this British Standard, the form "BS 3828-1" shall be used.