BS 6206:1981

(Reprinted, incorporating Amendments Nos. 1, 2, 3, 4 and 5)

Specification for

Impact performance requirements for flat safety glass and safety plastics for use in buildings

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Cooperating organizations

The Elements and Components (of Diverse Materials) for Buildings Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

Agrement Board Aluminium Federation Asbestos Cement Manufacturers' Association

Asbestos Cement Manufacturers' Association Limited

Association of British Roofing Felt Manufacturers

Brick Development Association

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British Precast Concrete Federation Ltd.

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Convention of Scottish Local Authorities Department of the Environment (PSA)* Department of the Environment (Building

Research Establishment, Princes Risborough Laboratory)

Department of the Environment (Housing and Construction)*

Flat Glass Manufacturers' Association*

Glass and Glazing Federation*

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Mastic Asphalt Council and Employers'

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National Federation of Roofing Contractors Royal Institute of British Architects*

Royal Institution of Chartered Surveyors*

Scottish Development Department

Society of Chemical Industry

Timber Research and Development

Association

Trades Union Congress

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

Aluminium Window Association Architectural Aluminium Association Chief and Assistant Chief Fire Officers' Association

Child Accident Prevention Committee
Department of the Environment (Building
Research Establishment)

Department of Trade (Metrology, Quality Assurance, Safety and Standards Division) Greater London Council
Metal Window Federation of Great Britain
National Association of Shopfitters
National House-building Council
Patent Glazing Conference
Sealant Manufacturers' Conference
Union of Construction, Allied Trades and
Technicians

This British Standard, having been prepared under the direction of the Elements and Components (of Diverse Materials) for Buildings Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 November 1981

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Foreword

This British Standard has been prepared under the direction of the Glass Standards Committee¹⁾ at the request of the Glass and Glazing Federation, in order to provide specified and verifiable safety performance criteria for the types of flat safety glass and safety plastics used in buildings so as to reduce cutting and piercing injuries to persons who impact them.

In the preparation of this standard, full consideration has been given to the United States standard ANSI Z 97.1-1975 "Safety performance specifications and methods of test for safety glazing material used in buildings", which appears to have been successful in reducing injury due to accidents involving glass and plastics since its initial publication in 1972.

Work is currently being carried out by CEN Technical Committee 129, Glass in building, with the objective of producing a European Standard on the impact performance of flat glass for use in buildings. The United Kingdom is actively participating in the preparation of this new European Standard, which will be adopted as a British Standard when it is published. It is anticipated that the new standard will be available in approximately 3 years time and will supersede the impact performance requirements for flat glass given in BS 6206.

The Technical Committee responsible for BS 6206 decided that changes were required to improve and clarify the test procedure to overcome the deficiencies identified in the existing procedure and thereby extend the validity of the standard.

ANSI Z 97.1-1975 "Safety performance specifications and methods of test for safety glazing material used in buildings", which appears to have been successful in reducing injury due to accidents involving glass and plastics since its initial publication in 1972.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 18, an inside back cover and a back cover.

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¹⁾ After the main drafting work on this British Standard had been completed, the Technical Committee responsible for it was transferred from the Glass Standards Committee (which was subsequently disbanded) to the Elements and Components (of Diverse Materials) for Buildings Standards Committee (ECB/-). In consequence the committee reference for the work was changed from GLC/1 to ECB/4.