

Code of practice for

Glazing for buildings —

Part 4: Safety related to human impact

UDC 698.3:691.6:614.8

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee B/520, Glass and glazing in building, to subcommittee B/520/4 upon which the following bodies were represented:

- Aluminium Window Association
- Association of Building Engineers
- BSI Quality Assurance
- BSI Testing Services
- British Adhesives and Sealants Association
- British Woodworking Federation
- Chief and Assistant Chief Fire Officers Association
- Child Accident Prevention Trust
- Conservatory Association
- Consumer Policy Committee of BSI
- Department of the Environment (Building Research Establishment)
- Department of the Environment (Construction Directorate)
- Department of Trade and Industry (Consumer Safety Unit)
- Flat Glass Manufacturers' Association
- Glass and Glazing Federation
- Health and Safety Executive
- Institute of Building Control
- National Association of Shopfitters
- Patent Glazing Contractors' Association
- Royal Institute of British Architects
- Royal Society for the Prevention of Accidents

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Foreword

This Part of BS 6262 has been prepared under the direction of Technical Committee B/520, Glass and glazing in building. It supersedes 4.7, 5.7 and 6.7 of BS 6262:1982 which are deleted by amendment.

BS 6262:1982 is being revised and also restructured to simplify its use and will be published in seven Parts covering the following areas:

- *Part 1: General;*
- *Part 2: Heat, light and sound;*
- *Part 3: Fire, security and wind loading;*
- *Part 4: Safety related to human impact;*
- *Part 5: Frame design considerations;*
- *Part 6: Special applications;*
- *Part 7: Provision of information.*

Recommendations for standards of workmanship for glazing have been published separately in BS 8000-7 and therefore this subject is not dealt with in this standard.

Since the correct selection of materials to be used in glazing for buildings depends on many factors, the recommendations in this Part of BS 6262 should be used in conjunction with those in the other Parts.

As a code of practice, this British Standard takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

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.

1 Scope

This Part of BS 6262 gives safety recommendations for the vertical use of glass and plastics glazing sheet materials in locations likely to be subject to accidental human impact. The recommendations are intended to reduce impact related injuries and in particular the risk of cutting and piercing injuries.

These recommendations do not apply to:

- a) patent glazing (see BS 5516);
- b) glazing for furniture and fittings (see BS 7376 and BS 7449);
- c) glazing for commercial greenhouses (see BS 5502-21);
- d) glazing for domestic greenhouses.

2 References

2.1 Normative references

This Part of BS 6262 incorporates, by dated or undated reference, provisions from other publications. These normative references are made at the appropriate places in the text and the cited publications are listed on the inside back cover. For dated references, only the edition cited applies; any subsequent amendments to or revisions of the cited publication apply to this Part of BS 6262 only when incorporated in the reference by amendment or revision. For undated references, the latest edition of the cited publication applies, together with any amendments.

2.2 Informative references

This Part of BS 6262 refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this Part of BS 6262, the following definitions apply.

3.1

critical location

that part of a door, wall or other part of a building most likely to be subject to accidental human impact

3.2

glazing

- a) glass, or plastics glazing sheet material, for installation into a building or;
- b) the action of installing glass, or plastics glazing sheet materials, into a building.

3.3

insulating glass unit

two or more panes of glass manufactured to size and shape, spaced apart and then hermetically sealed in a factory, ready for glazing

NOTE The individual panes may be of different sizes and or thicknesses.

3.4

manifestation

any technique for enhancing a person's awareness of the presence of transparent glazed areas

3.5

pane

a single piece of glass, or plastics glazing sheet material, in a finished size ready for glazing

3.6

plastics glazing sheet material

plastics material in the form of a single sheet, or a combination of sheets laminated together, or an extruded multi-wall sheet

3.7

pane size

the dimensions of a pane (see Figure 1)

3.8

sight size

the dimensions of the opening which, when glazed with transparent or translucent material, admits light (see Figure 1)

3.9

tight size (or rebated size)

the dimensions of the rebated opening (see Figure 1)

3.10

nominal dimensions

the design size excluding tolerances

3.11

unbacked glazing

glazing which has either no backing or only partial backing behind its entire area, or has a backing that does not retain its integrity or is cracked or broken when tested as described in appendix A of BS 7449:1991

3.12

vertical

true vertical, or within 15° of true vertical