

# Glazing for buildings —

## Part 1: General methodology for the selection of glazing

ICS 81.040.20

# 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, Properties and glazing methods, upon which the following bodies were represented:

- British Adhesives and Sealants Association
- British Plastics Federation
- British Woodworking Federation
- Consumer Policy Committee of BSI
- Council for Aluminium in Building
- Flat Glass Manufacturers' Association
- Glass and Glazing Federation
- Nottingham University
- Office of the Deputy Prime Minister — Building Division
- Office of the Deputy Prime Minister — represented by the BRE
- RICS Building Control Forum
- Co-opted members

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## Foreword

This part of BS 6262 has been prepared by Subcommittee B/520/4. It partially supersedes BS 6262:1982, which will be withdrawn upon publication of all seven parts of the newly revised and restructured BS 6262. BS 6262:1982 is being revised and restructured to simplify its use and will be published in seven parts:

- *Part 1: General methodology for the selection of glazing;*
- *Part 2: Code of practice for energy, light and sound;*
- *Part 3: Code of practice for fire, security and wind loading;*
- *Part 4: Code of practice for safety related to human impact;*
- *Part 5: Code of practice for frame design considerations;*
- *Part 6: Code of practice for special applications;*
- *Part 7: Code of practice for the 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.

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

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

In particular, attention is drawn to the following statutory regulations:

- a) the Building Regulations 2000 [1];
- b) the Building Regulations (Northern Ireland) 2000 [2];
- c) the Building (Scotland) Regulations 2004 [3].

## Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, an inside back cover and a back cover.

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## 1 Scope

This part of BS 6262 gives a general methodology for the selection of an appropriate choice of glass, plastics glazing sheet material and method of glazing.

These recommendations do not apply to:

- a) patent glazing (see BS 5516-1);
- b) glass in non-vertical applications (see BS 5516-2);
- c) glazing for furniture and fittings (see BS 7376 and BS 7449);
- d) glazing for commercial greenhouses (see BS 5502-21);
- e) glazing for domestic greenhouses.

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.

## 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.

BS 6399-2, *Loading for buildings — Part 2: Code of practice for wind loads*.

BS 8206-2, *Lighting for buildings — Part 2: Code of practice for daylighting*.

BS EN 673, *Glass in building — Determination of thermal transmittance (U value) — Calculation method*.

## 3 Terms and definitions

For the purposes of this part of BS 6262, the following terms and definitions apply.

### 3.1 glazing (noun)

glass or plastics glazing sheet material, for installation into a building

### 3.2 pane

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

### 3.3 plastics glazing sheet material

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

## 4 Design and performance

### 4.1 Introduction

In recent years, the design and performance requirements, such as higher thermal insulation, amended acoustic performance, etc., for glass and plastics glazing sheet material have become more demanding. There are many requirements that previously had been regarded as client-set (for example, security) that are being incorporated into legislation (outlined in Annex A).

It is important, at the initial project evaluation stage, to adopt a methodology that incorporates the implications of using any glass and plastics glazing sheet materials and the material's influence upon the performance of the building. The sequence in Figure 1 outlines such a methodology, which is expanded on from 4.2 to 4.12. In this methodology, it has been assumed that:

- a) the location of the glazed areas, their shapes and preliminary sizes have been decided as part of the normal building design process;
- b) the designer will have acquired information on glass and plastics glazing sheet materials used in similar circumstances;
- c) the designer is aware of the implications of any innovative design.

NOTE For information on the normal building design process, see BS 8213-1.