



BSI Standards Publication

Glazing for buildings

Part 4: Code of practice for safety related to human impact

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Summary of pages

This document comprises a front cover, and inside front cover, pages i to iv, pages 1 to 17, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 6262 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 May 2018. It was prepared by Technical Committee B/520, *Glass and glazing in building*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 6262 supersedes [BS 6262-4:2005](#), which is withdrawn. C1 This part of BS 6262 also replaces Clause 8 of BS 5516-2:2004. BS 5516-2 is in the process of being incorporated into the BS 6262 series and when completed it is anticipated that it will be withdrawn. C1

Information about this document

Text introduced or altered by Corrigendum No. 1 is indicated in the text by tags C1 C1. Minor editorial corrections are not tagged.

BS 6262, *Glazing for buildings*, consists of the following 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; and*
- *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 is intended to be used in conjunction with those in the other parts.

Use of this document

As a code of practice, this part of BS 6262 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.

Any user claiming compliance with this part of BS 6262 is expected to be able to justify any course of action that deviates from its recommendations.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of The Shorter Oxford English Dictionary is used (e.g. “organization” rather than “organisation”).

Contractual and legal considerations

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 cannot confer immunity from legal obligations.

Particular attention is drawn to the following specific regulations:

- the Building Regulations 2010 [\[1\]](#);
- the Building (Amendment) (Wales) Regulations 2014 [\[2\]](#);
- the Building (Scotland) Regulations 2004 [\[3\]](#);
- the Building Regulations (Northern Ireland) 2012 [\[4\]](#); and
- the Building Regulations (Isle of Man) Order 2003 [\[5\]](#).

1 Scope

This part of BS 6262 gives safety recommendations for the use of glass and plastics glazing sheet materials in locations likely to be subject to accidental human impact. This part of BS 6262 also gives recommendations for the type of glass or plastics glazing sheet materials to be used in sloping overhead glazing C1 (these recommendations replace those in BS 5516-2:2004). C1

The recommendations are intended to reduce impact-related injuries and in particular the risk of cutting and piercing injuries. C1 In the case of sloping glazing, this also covered the risk from falling glazing. C1

These recommendations do not apply to:

- a) glazing for furniture and fittings (see BS EN 12521 and BS EN 14749);
- b) glazing for commercial greenhouses (see [BS 5502-21](#)); and
- c) glazing for domestic greenhouses.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions 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 952-1](#), *Glass for glazing — Part 1: Classification*

[BS 6180](#), *Barriers in and about buildings — Code of practice*

[BS 6206:1981](#), *Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings¹⁾*

BS EN 572-3, *Glass in building — Basic soda lime silicate glass products — Part 3: Polished wired glass*

BS EN 572-6, *Glass in building — Basic soda lime silicate glass products — Part 6: Wired patterned glass*

BS EN 12150-1, *Glass in building — Thermally toughened soda lime silicate safety glass — Part 1: Definition and description*

BS EN 12600:2002, *Glass in building — Pendulum test — Impact test method and classification for flat glass*

BS EN 13024-1, *Glass in building — Thermally toughened borosilicate safety glass — Part 1: Definition and description*

BS EN 14179-1, *Glass in building — Heat soaked thermally toughened soda lime silicate safety glass — Part 1: Definition and description*

BS EN 14321-1, *Glass in building — Thermally toughened alkaline earth silicate safety glass — Part 1: Definition and description*

BS EN 14428, *Shower enclosures — Functional requirements and test methods*

BS EN 14449, *Glass in building — Laminated glass and laminated safety glass — Evaluation of conformity/Product standard*

BS EN 15682-1, *Glass in building — Heat soaked thermally toughened alkaline earth silicate safety glass — Part 1: Definition and description*

¹ Most of this British Standard has been withdrawn (and superseded by BS EN 12600) with the exception of safety plastics.

3 Terms and definitions

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

3.1 critical location

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

3.2 film retention system

means of attaching the adhesive backed polymeric film on adhesive backed polymeric filmed glass to the supporting structure

3.3 glazing (noun)

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

3.4 glazing (verb)

action of installing glass, or plastics glazing sheet materials, into a building

3.5 insulating glass unit

assembly consisting of at least two panes of glass, separated by one or more spacers, hermetically sealed along the periphery, mechanically stable and durable

[SOURCE: BS EN 1279-1:2018, 3.1]

NOTE The individual panes may be of different sizes, glass types and/or thicknesses.

3.6 manifestation

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

3.7 pane

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

3.8 pane size

dimensions of a pane

NOTE See [Figure 1](#).

3.9 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

3.10 safety filmed glass

glass product that has had an adhesive backed polymeric film applied

NOTE See BS EN 15755-1 for further information.

3.11 safety glass

glass product that has a performance classification for pendulum body impact resistance

NOTE Pendulum body impact resistance for safety glass is classified in accordance with BS EN 12600.

3.12 safety plastics

plastics glazing sheet material that has been classified for pendulum body impact resistance

NOTE Pendulum body impact resistance for safety plastics is classified in accordance with [BS 6206](#).