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Glass in building — Basic soda lime silicate glass products —

Part 2: Float glass

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: + 41 22 749 01 11
~~Email~~E-mail: copyright@iso.org
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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ~~ISO's~~ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 160, *Glass in ~~Building~~building*.

This second edition cancels and replaces the first edition (ISO 16293-2:2017), which has been technically revised.

The main changes are as follows:

— ~~—~~introduction of thin glass (under ~~2mm~~2 mm);

— ~~—~~revision of defect description and table link with the thickness definition.

— ~~—~~revision of method for measuring the halo size of spot fault.

A list of all parts in the ISO 16293 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Glass in building — Basic soda lime silicate glass products —

Part 2:
Float glass

1 Scope

This document specifies dimensional and minimum quality requirements (in respect of optical and visual quality) for float glass for use in building, as defined in ISO 16293-1.

This document applies to float glass supplied in stock sizes, oversize, and final cut sizes.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 16293-1, *Glass in building — Basic soda lime silicate glass products — Part 1: Definitions and general physical and mechanical properties*

3 Terms and definitions

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For the purposes of this document, the terms and definitions given in ISO 16293-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

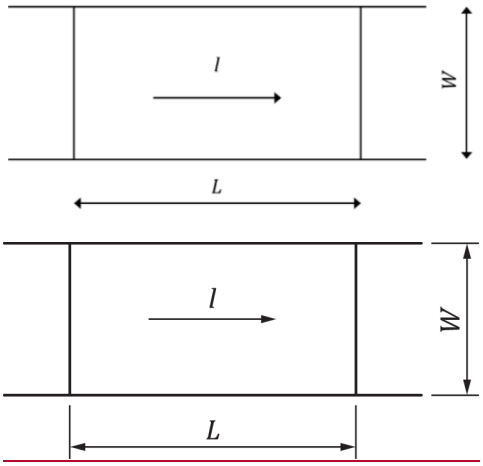
— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

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3.1 ~~3.1~~
length
L
dimension of the straight edge of the glass parallel to the direction of draw of the glass ribbon

Note 1 to entry: See Figure 1~~Figure 1.~~



Key

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l direction of draw
L length
W width

Figure 1 — Relationship between length, width and direction of draw

3.2 ~~3.2~~
width
W
dimension of the edge of the glass perpendicular to the direction of the glass ribbon

Note 1 to entry: See Figure 1~~Figure 1.~~.

3.3 ~~3.3~~
stock sizes
glass sizes that are intended to be re-cut to obtain *final cut sizes* (3.4~~(3.4)~~)

Note 1 to entry: Stock sizes can be *jumbo sizes* (3.3.1~~,~~), *split sizes* (3.3.2) or *supplied sizes* (3.3.3~~,~~).

~~3.3.1~~
3.3.1 ~~Jumbo~~
jumbo sizes
glass delivered in the following sizes:

nominal length *L*: 4 500 mm, 5 100 mm or 6 000 mm;

nominal width *W*: ~~3210~~3 210 mm;

the minimum length of ~~Jumbo~~jumbo is 3 ~~600mm~~600 mm

Note 1 to entry: The usual width is 3 210 mm. Exceptional production requirements can be modified.

Note 2 to entry: The usual maximum length is ~~6000~~6 000 mm. Oversize plates where the nominal length, *L*, is greater than 6 000 mm~~,~~ can be produced to special order.

3.3.2 ~~3.3.2~~
split sizes
glass delivered in the following size ranges:

nominal length *L*: 1 000 mm to 2 550 mm;

nominal width *W*: 3 210 mm

Note 1 to entry: The usual width is 3 210 mm. Exceptionally production requirements can be modified.

3.3.3 ~~3.3.3~~
supplied size
pane of glass that has been supplied as raw material for cutting down to a size for installation, delivered in the following size ranges:

nominal length *L*: any;

nominal width *W*: <3 210 mm

Note 1 to entry: In some cases, nominal width can be *L* < 3 810 mm.

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