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Glass in building — Basic soda lime silicate glass products —

Part 5: Patterned glass

Verre dans la construction — Produits de base: verre de silicate sodo-calcique —

Partie 5: Verre imprimé

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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 on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 160, *Glass in Building*, Subcommittee SC 1, *Product considerations*.

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

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Glass in building — Basic soda lime silicate glass products —

Part 5: Patterned glass

1 Scope

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

This document applies only to patterned glass supplied in rectangular panes, in stock sizes and in final cut sizes.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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

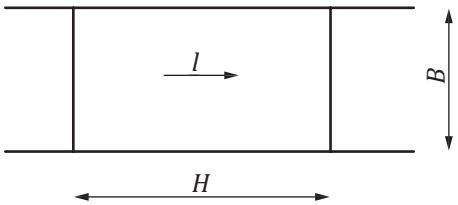
— IEC Electropedia: available at http://www.electropedia.org/

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

3.1
length
H
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.

[SOURCE: ISO 11485-1:2011, 2.26, modified]



Key

l direction of draw
H length
B width

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

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3.2
width
B
dimension of the edge of the glass perpendicular to the direction of the glass ribbon

Note 1 to entry: See Figure 1.

3.3
stock size
glass sizes that are intended to be re-cut to obtain final cut sizes

3.4
final cut size
pane of glass that has been cut down to the dimensions being required either for installation or processing into a final product, e.g. insulating glass units, thermally toughened safety glass, of those dimensions

Note 1 to entry: The minimum final cut size shall have dimensions *H* or *B* not less than 100 mm and a minimum surface area of not less than 0,05m^2.

3.5
visual fault
fault which alters the visual quality of the glass

Note 1 to entry: They include spot faults, linear/extended faults and pattern faults.

3.6
spot fault
fault which can be in or on the glass in the form of gaseous inclusion, solid inclusion, mark or deposit of small size

3.7
linear/extended fault
faults which can be on or in the glass, in the form of deposits, marks or scratches which occupy an extended length or area

3.8
pattern fault
deviation of the pattern (3.9) relative to a reference, e.g. line or straight edge

3.9
deviation of the pattern
deviation, *u*, *v* or *w*, of the pattern

3.10
edge defect
defect which can occur on the edge of a glass sheet in the form of entrant and emergent faults and/or bevels

4 Dimensional requirements

4.1 Thickness

4.1.1 General

The actual thickness shall be the average of four measurements, taken to the nearest 0,01 mm, each one taken at the thickest and closest point to the centre of each side. Measurement shall be by means of an instrument of the plate gauge type with a diameter of 50 mm ± 5 mm.

NOTE The mechanical resistance of patterned glass is a function of the pattern as well as the thickness.

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