

Glass in building — Basic alkaline earth silicate glass products —

Part 1: Float glass

The European Standard EN 14178-1:2004 has the status of a
British Standard

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National foreword

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The UK participation in its preparation was entrusted by Technical Committee B/520, Glass and glazing in building, to Subcommittee B/520/1, Glass and glazing in building — Basic and transformed glass products, which has the responsibility to:

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Glas im Bauwesen - Basiserzeugnisse aus Erdalkali-
Silicatglas - Teil 1: Floatglas

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Foreword

This document (EN 14178-1:2004) has been prepared by Technical Committee CEN/TC TC 129 “Glass in building”, the secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2005, and conflicting national standards shall be withdrawn at the latest by April 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, B, C or D, which is an integral part of this document can be found in EN 14178-2.

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1 Scope

This document defines and classifies basic alkaline earth silicate glasses for use in building. It indicates their chemical composition, main physical and mechanical properties, dimensional and minimum quality requirements (in respect of optical and visual faults).

This document applies to basic alkaline earth silicate glasses supplied in jumbo sizes, split sizes and final cut sizes.

This document does not apply to final cut sizes having a dimension less than 100mm or a surface area less than 0,05m².

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.

EN 410, *Glass in building — Determination of luminous and solar characteristics of glazing*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

basic alkaline earth silicate glass

flat, transparent, clear or tinted float glass with a chemical composition according to 4.1 of this document, having parallel and polished faces obtained by continuous casting and floatation on a metal bath

3.2

length, H, and width, B

these are defined with reference to the direction of draw of the float glass ribbon as shown in Figure 1

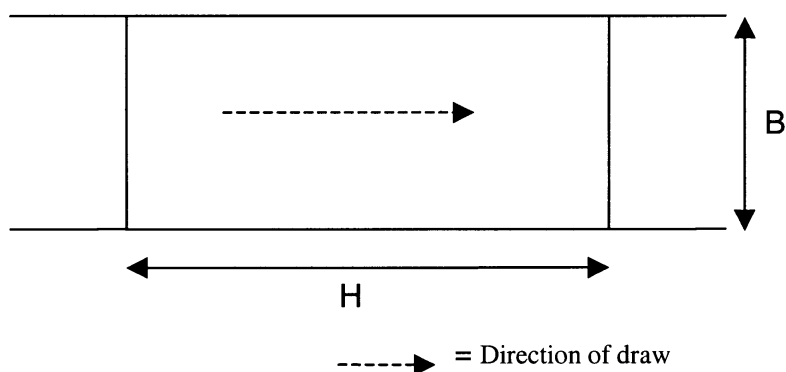


Figure 1 — Relationship between length, width and direction of draw

3.3

jumbo sizes

glass delivered in the following sizes: