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**BS EN 572-1:2012+A1:2016**



**BSI Standards Publication**

# **Glass in building — Basic soda-lime silicate glass products**

Part 1: Definitions and general physical and  
mechanical properties

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This British Standard is the UK implementation of EN 572-1:2012+A1:2016. It supersedes BS EN 572-1:2012 which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted by Technical Committee B/520, Glass and glazing in building, to Subcommittee B/520/1, Basic and transformed glass products.

A list of organizations represented on this committee can be obtained on request to its secretary.

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

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English Version

## Glass in building - Basic soda-lime silicate glass products - Part 1: Definitions and general physical and mechanical properties

Verre dans la construction - Produits de base : verre de silicate sodo-calciqque - Partie 1 : Définitions et propriétés physiques et mécaniques générales

Glas im Bauwesen - Basiserzeugnisse aus Kalk-Natronsilicatglas - Teil 1: Definitionen und allgemeine physikalische und mechanische Eigenschaften

This European Standard was approved by CEN on 11 May 2012 and includes Amendment 1 approved by CEN on 22 November 2015.

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<b>Contents</b>	<b>Page</b>
European foreword.....	3
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 General principles</b> .....	<b>6</b>
<b>5 Chemical composition</b> .....	<b>7</b>
5.1 General.....	7
5.2 Tint.....	7
<b>6 Physical and mechanical characteristics</b> .....	<b>7</b>
6.1 General characteristics.....	7
6.2 Characteristic bending strength ( $f_{g,kk}$ ).....	8
6.3 Designation of clear glass.....	8
6.3.1 General.....	8
6.3.2 Clear transparent glass.....	9
6.3.3 Clear translucent glass.....	9
6.4 Stability of physical and chemical characteristics.....	10
6.5 General quality criteria and their evaluation.....	10
6.5.1 Optical.....	10
6.5.2 Appearance.....	11
Annex A $\square_{A1}$ (informative) Complementary information related to REACH $\square_{A1}$ .....	12
<b>Bibliography</b> .....	<b>13</b>

This is a preview of "BS EN 572-1:2012+A1:...". Click here to purchase the full version from the ANSI store.

## European foreword

This document (EN 572-1:2012+A1:2016) has been prepared by Technical Committee CEN/TC 129 "Glass in building", the secretariat of which is held by NBN.

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 August 2016, and conflicting national standards shall be withdrawn at the latest by August 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1 approved by CEN on 22 November 2015.

This document supersedes  $\boxed{A_1}$  EN 572-1:2012  $\boxed{A_1}$ .

The start and finish of text introduced or altered by amendment is indicated in the text by tags  $\boxed{A_1}$   $\boxed{A_1}$ .

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

$\boxed{A_1}$  EN 572-1:2012 was  $\boxed{A_1}$  a revision of EN 572-1:2004. The main changes in this edition  $\boxed{A_1}$  were  $\boxed{A_1}$ :

- a) a better explanation of the characteristic bending strength of glass;
- b) an extension of the minimum light transmittance value for translucent glass up to 19 mm;
- c) the bibliography has been complemented.

This European Standard "*Glass in building — Basic soda-lime silicate glass products*" consists of the following parts:

- Part 1: Definitions and general physical and mechanical properties;
- Part 2: Float glass;
- Part 3: Polished wired glass;
- Part 4: Drawn sheet glass;
- Part 5: Patterned glass;
- Part 6: Wired patterned glass;
- Part 7: Wired or unwired channel shaped glass;
- Part 8: Supplied and final cut sizes;
- Part 9: Evaluation of conformity/Product standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria,

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Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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## 1 Scope

This Part of this European Standard specifies and classifies basic glass products and indicates their chemical composition, their main physical and mechanical characteristics and defines their general quality criteria.

Specific dimensions and dimensional tolerances, description of faults, quality limits and designation for each basic product type are not included in this Part, but are given in other Parts of EN 572 specific to each product type:

- EN 572-2 Float glass;
- EN 572-3 Polished wired glass;
- EN 572-4 Drawn sheet glass;
- EN 572-5 Patterned glass;
- EN 572-6 Wired patterned glass;
- EN 572-7 Wired or unwired channel shaped glass;
- EN 572-8 Supplied and final cut sizes;
- EN 572-9 Evaluation of conformity/Product standard.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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*

EN 572-2, *Glass in building — Basic soda lime silicate glass products — Part 2: Float glass*

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

EN 572-4, *Glass in building — Basic soda lime silicate glass products — Part 4: Drawn sheet glass*

EN 572-5, *Glass in building — Basic soda lime silicate glass products — Part 5: Patterned glass*

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

EN 572-7, *Glass in building — Basic soda lime silicate glass products — Part 7: Wired or unwired channel shaped glass*

EN 572-8, *Glass in building — Basic soda-lime silicate glass products — Part 8: Supplied and final cut sizes*

EN 572-9, *Glass in building — Basic soda lime silicate glass products — Part 9: Evaluation of conformity/Product standard*

ISO 9385, *Glass and glass-ceramics — Knoop hardness test*