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

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN 572-1:2012+A1:2016 sisaldab Euroopa standardi EN 572-1:2012+A1:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 572-1:2012+A1:2016 consists of the English text of the European standard EN 572-1:2012+A1:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 10.02.2016.	Date of Availability of the European standard is 10.02.2016.
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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-calcique - 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.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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 A1 EN 572-1:2012 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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

A1 EN 572-1:2012 was A1 a revision of EN 572-1:2004. The main changes in this edition A1 were A1:

- 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,

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*