



**SLOVENSKI STANDARD**  
**SIST EN 572-8:2004**

**01-september-2004**

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XY.`8cVUj`YbY]b`\_cb bY`j Y]\_cgh]fUhfYnU

Glass in building - Basic soda lime silicate glass products - Part 8: Supplied and final cut sizes

Glas im Bauwesen - Basiserzeugnisse aus Kalk-Natronsilicatglas - Teil 8: LiefermaÙe und FestmaÙe

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Verre dans la construction - Produits verriers de silicate sodo-calcique de base - Partie 8 : Mesures livrées et mesures découpées finales

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**Ta slovenski standard je istoveten z: EN 572-8:2004**

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**ICS:**

81.040.20      Steklo v gradbeniÙtvu      Glass in building

**SIST EN 572-8:2004**      **en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 572-8**

June 2004

ICS 81.040.20

English version

## Glass in building - Basic soda lime silicate glass products - Part 8: Supplied and final cut sizes

Verre dans la construction - Produits verriers de silicate  
sodo-calcique de base - Partie 8: Tailles livrées et tailles  
découpées finales

Glas im Bauwesen - Basiserzeugnisse aus Kalk-  
Natronsilicatglas - Teil 8: Liefermaße und Festmaße

This European Standard was approved by CEN on 3 March 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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## Foreword

This document (EN 572-8:2004) has been prepared by Technical Committee CEN/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 December 2004, and conflicting national standards shall be withdrawn at the latest by December 2004.

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

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

EN 572-1 Definitions and general physical and mechanical properties

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 and unwired channel shaped glass

EN 572-8 Supplied and final cut sizes

prEN 572-9 Evaluation of conformity

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Annex A is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

**EN 572-8:2004 (E)****1 Scope**

This part of this European Standard specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for basic soda lime silicate glass products, as defined in EN 572-1, for use in building. It applies to supplied sizes or cut sizes for final end use.

This part of this European Standard does not apply to final cut sizes having a dimension less than 100 mm or a surface area less than 0,05m<sup>2</sup>.

This part of this European Standard does not apply to float glass supplied as jumbo or split sizes, see EN 572-2, or to polished wired glass, drawn sheet glass, patterned glass and patterned wired glass supplied as stock sizes, see EN 572-3, EN 572-4, EN 572-5 and EN 572-6.

This part of this European Standard does not apply to final cut sizes of wired or unwired channel shaped glass, see EN 572-7.

**2 Normative references**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

EN 572-1, *Glass in building — Basic soda lime silicate glass products — Part 1: Definitions and general physical and mechanical properties.* [SIST EN 572-8:2004](https://standards.iteh.ai/catalog/standards/sist/4f8f2de7-8d43-4def-8c2d-004000000000/en-572-1-2004)

<https://standards.iteh.ai/catalog/standards/sist/4f8f2de7-8d43-4def-8c2d-004000000000/en-572-2-2004>  
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.*

**3 Terms and definitions**

For the purposes of this European Standard, the terms and definitions given in EN 572-1, EN 572-2, EN 572-3, EN 572-4, EN 572-5 and EN 572-6 and the following apply.

**3.1  
supplied size**

pane of glass that has been supplied either as raw material for further processing and/or cutting down to a size for installation. This is a size outside those given in EN 572-2, EN 572-3, EN 572-4, EN 572-5 and EN 572-6, i.e. jumbos or splits for float glass and supplied sizes for polished wired, drawn sheet, patterned and patterned wired glass

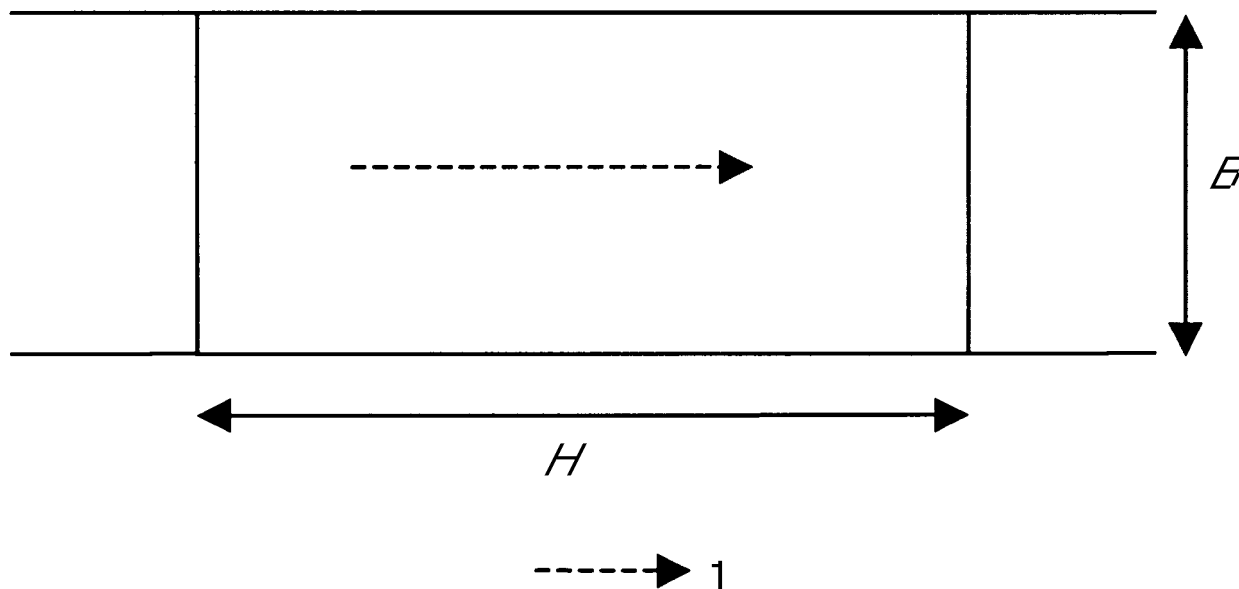
**3.2  
final cut size**

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

## 3.3

**length,  $H$ , and width,  $B$** 

defined with reference to the direction of draw of the glass ribbon as shown in Figures 1 and 2.



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**Key**

- 1 Direction of draw

SIST EN 572-8:2004

Figure 1 — Relationship between length, width and direction of draw for float, polished wired, patterned and patterned wired glass

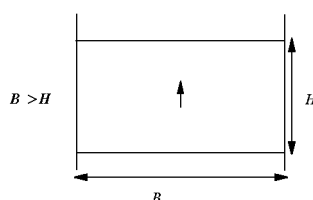


Figure 2 — Relationship between length, width and direction of draw for drawn sheet glass

## 3.4

**optical faults**

faults, that lead to distortions in the appearance of objects observed through the glass

## 3.5

**visual faults**

faults, that alter the visual quality of the glass. These are spot faults and linear/extend faults with patterned faults and/or wire faults depending on type of product

## 3.6

**spot faults**

spherical or quasi-spherical faults that are produced by differing mechanisms and are defined for a specific glass product type/manufacturing process

**EN 572-8:2004 (E)****3.6.1****spot fault**

spot fault is a nucleus, which is sometimes accompanied by a halo of distorted glass. The dimension of a spot fault comprising a nucleus with a halo is obtained by multiplying the dimension of the nucleus by a factor of approximately 3

[Float glass EN 572-2]

**3.6.2****spherical or quasi-spherical spot faults**

spot faults whose larger dimension is less than or equal to twice the smaller dimension

[Polished wired, patterned and patterned wired glass EN 572-3, EN 572-5, EN 572-6]

**3.6.3****elongated spot faults**

spot faults whose larger dimension is more than twice the smaller dimension

[Polished wired, patterned and patterned wired glass EN 572-3, EN 572-5, EN 572-6]

**3.6.4****spot faults**

gaseous inclusions or other spot faults, e.g. solid inclusions, marks or deposits of small size

[Drawn sheet glass EN 572-4]

**3.7****concentration, c**

sum of the lengths of gaseous inclusions  $> 1,0$  mm in any circle of 400 mm diameter

[Drawn sheet glass EN 572-4]

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**3.8****linear / extended faults**

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

**3.9****pattern faults**

deviations of the pattern relative to a reference, e.g. line or straight edge

[Patterned and patterned wired glass EN 572-5, EN 572-6]

**3.10****deviation of the pattern**

deviation,  $x$ , of the pattern.

**3.11****wire faults**

deviations of the wire, penetration of the glass surface by the wire or break in the wire in the body of the glass

[Polished wired and patterned wired glass EN 572-3, EN 572-6]

**3.12****deviation of the wire**

deviation,  $y$ , of the wire relative to a reference, e.g. line or straight edge

**3.13****edge defects**

defects, which can occur on the edge of a cut size piece in the form of entrant and emergent faults and / or bevels



## 4 Glass products

Glass products according to the following standards can be offered as supplied sizes or final cut sizes:

Float glass	EN 572-2
Polished wired glass	EN 572-3
Drawn sheet glass	EN 572-4
Patterned glass	EN 572-5
Patterned wired glass	EN 572-6

## 5 Dimensional requirements

### 5.1 Manufacturing dimensions

#### 5.1.1 Supplied sizes

Glass delivered in sizes as given in Table 1.

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Table 1 — Dimensions of supplied sizes

Dimensions in millimetres

Glass Type	Nominal Dimensions	
	<i>B</i>	<i>H</i>
Float glass	< 3 210 <sup>a</sup>	Any
Polished wired glass	< 1 980 1 980 to 2 540	Any < 1 650
New antique drawn sheet glass; Drawn sheet glass for renovation	< 1 450 1 450 to 2 160	Any < 1 200
Drawn sheet glass	< 2 440 2 440 to 2 880	Any < 1 600
Patterned glass	< 1 260 1 260 to 2 520	Any < 2 100
Patterned wired glass	< 1 500 1 500 to 2 520	Any < 1 380
<sup>a</sup> Under exceptional production requirements <i>B</i> may be less than 3 210 mm but never below 3 150 mm. In such cases supplied sizes are those with <i>B</i> < 3 150 mm.		

### 5.1.2 Final cut sizes

Glass delivered in the final dimensions.

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<sup>2</sup>.

## 5.2 Thickness

### 5.2.1 General

The actual thickness shall be the average of four measurements, taken to the nearest 0,01 mm, one taken at the centre of each side. Measurement shall be made by means of:

an instrument of the caliper micrometer type, applicable for float glass, polished wired glass and drawn sheet glass;

an instrument of the plate gauge type with a diameter of 50 mm  $\pm$  5 mm, applicable for patterned glass and patterned wired glass.

### 5.2.2 Tolerances

The actual thickness, rounded to the nearest 0,1 mm shall not vary from the nominal thickness by more than the tolerances shown in Tables 2A and 2B.

**Table 2A — Nominal thicknesses, limits and tolerances**

Dimensions in millimetres

Nominal thickness	Thickness Limits and Tolerances on Thickness			
	Float glass	Polished wired glass	Patterned glass	Patterned wired glass
3	$\pm 0,2$		$\pm 0,5$	
4	$\pm 0,2$		$\pm 0,5$	
5	$\pm 0,2$		$\pm 0,5$	
6	$\pm 0,2$	6,0 to 7,4	$\pm 0,5$	$\pm 0,6$
7				$\pm 0,7$
8	$\pm 0,3$		$\pm 0,8$	$\pm 0,8$
9				8,0 to 10,5
10	$\pm 0,3$	9,1 to 10,9	$\pm 1,0$	
12	$\pm 0,3$			
15	$\pm 0,5$			
19	$\pm 1,0$			
25	$\pm 1,0$			