SLOVENSKI STANDARD
kSIST FprEN 572-4:2012

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Steklo v gradbeništvu - Osnovni izdelki iz natrij-kalcijevega silikatnega stekla - 4. del: Vlečeno steklo

Glass in building - Basic soda lime silicate glass products - Part 2: Drawn sheet glass

Glas im Bauwesen - Basiserzeugnisse aus Kalk-Natronsilicatglas - Teil 4: Gezogenes Flachglas

Verre dans la construction - Produits de base: verre de silicate sodo-calcique - Partie 4: Verre étiré

Ta slovenski standard je istoveten z: **FprEN 572-4**

ICS:

81.040.20	Steklo v gradbeništvu	Glass in building

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EUROPEAN STANDARD

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FINAL DRAFT
FprEN 572-4

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ICS 81.040.20

Will supersede EN 572-4:2004

English Version

Glass in building - Basic soda lime silicate glass products - Part 2: Drawn sheet glass

Verre dans la construction - Produits de base: verre de silicate sodo-calcique - Partie 4: Verre étiré

Glas im Bauwesen - Basiserzeugnisse aus Kalk-Natronsilicatglas - Teil 4: Gezogenes Flachglas

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

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Foreword

This document (FprEN 572-4:2011) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 572-4:2004.

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).

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.

1 Scope

This European Standard specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for drawn sheet glass, as defined in FpEN 572-1:2011, for use in building.

This European Standard applies only to drawn sheet glass supplied in rectangular panes and in stock sizes.

EN 572-8 gives information on drawn sheet glass in sizes other than those covered by this European Standard.

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.

FprEN 572-1:2011, *Glass in building — Basic soda lime silicate glass products — Part 1: Definitions and general physical and mechanical properties*

3 Terms and definitions

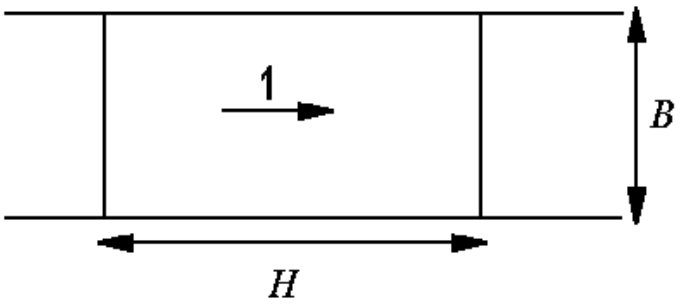
For the purposes of this document, the terms and definitions given in FprEN 572-1:2011 and the following apply.

3.1
new antique drawn sheet glass
glass produced by the drawn sheet process that has specific surface phenomena intentionally incorporated during the drawing process

3.2
drawn sheet glass for renovation
drawn sheet glass that has been allowed to develop defects, e.g. gaseous, solid inclusions and linear/extended faults, which are representative of historic drawn sheet production

3.3
drawn sheet glass
flat, transparent, clear or tinted soda-lime silicate glass obtained by continuous drawing, initially vertically, of a regular thickness and with the two surfaces fire polished containing a minimum number of visual faults

3.4
length, *H*, and width, *B*
defined with reference to the direction of draw of the glass ribbon as shown in Figure 1



Key
1 direction of draw

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

3.5
stock sizes
glass delivered in the sizes given in Table 1

Table 1 — Stock sizes

Dimensions in millimetres

	Nominal length *H*	Nominal width *B*
New antique drawn sheet glass	1 200 to 2 160	1 450 to 2 160
Drawn sheet glass for renovation	1 200 to 2 160	1 450 to 2 160
Drawn sheet glass	1 600 to 2 160	2 440 to 2 880

3.6
optical fault
fault which leads to distortions in the appearance of objects observed through the glass

3.7
visual fault
fault which alters the visual quality of the glass

NOTE Visual faults include spot faults and linear/extended faults.

3.8
spot fault
gaseous inclusion or other spot fault

EXAMPLE Solid inclusion, mark or deposit of small size.

3.9
gaseous inclusion
fault which consist generally of an elongated bubble of gas

3.10
linear/extended fault
fault which can be on or in the glass, in the form of deposits, marks or scratches that occupy an extended length or area

3.11
concentration, c
sum of the lengths of gaseous inclusions > 1,0 mm in any circle of 400 mm diameter

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, one taken at the centre of each side. Measurement shall be by means of an instrument of the calliper micrometer type.

4.1.2 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 Table 2.

Table 2 — Allowable tolerances on nominal thickness

Dimensions in millimetres

Nominal thickness	Tolerances		
	New antique drawn sheet glass	Drawn sheet glass for renovation	Drawn sheet glass
2		± 0,2	± 0,2
2,8	± 0,3		
3		± 0,3	± 0,2
4	± 0,3	± 0,3	± 0,2
5		± 0,3	± 0,3
6	± 0,3	± 0,3	± 0,3
8		± 0,4	± 0,4
10			± 0,5
12			± 0,6

4.2 Length, width and squareness

The tolerances, t, on nominal dimensions length, H, and width, B, are ± 5 mm.

The limits of squareness are described by the difference between diagonals. Limits are given in Table 3.