SLOVENSKI STANDARD
kSIST FprEN 572-5:2012

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Steklo v gradbeništvu - Osnovni izdelki iz natrij-kalcijevega silikatnega stekla - 5. del: Vzorčasto steklo

Glass in building - Basic soda lime silicate glass products - Part 5: Patterned glass

Glas im Bauwesen - Basiserzeugnisse aus Kalk-Natronsilicatglas - Teil 5: Ornamentglas

Verre dans la construction - Produits de base: verre de silicate sodo-calcique - Partie 5: Verre imprimé

Ta slovenski standard je istoveten z: **FprEN 572-5**

ICS:

81.040.20	Steklo v gradbeništvu	Glass in building

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EUROPEAN STANDARD

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FINAL DRAFT
FprEN 572-5

November 2011

ICS 81.040.20

Will supersede EN 572-5:2004

English Version

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

Verre dans la construction - Produits de base: verre de silicate sodo-calcique - Partie 5: Verre imprimé

Glas im Bauwesen - Basiserzeugnisse aus Kalk-Natronsilicatglas - Teil 5: Ornamentglas

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 129.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (FprEN 572-5:2011) 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 572-5:2004.

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 visual and pattern faults) for patterned glass as defined in FprEN 572-1:2011, for use in building.

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

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

2 Normative references

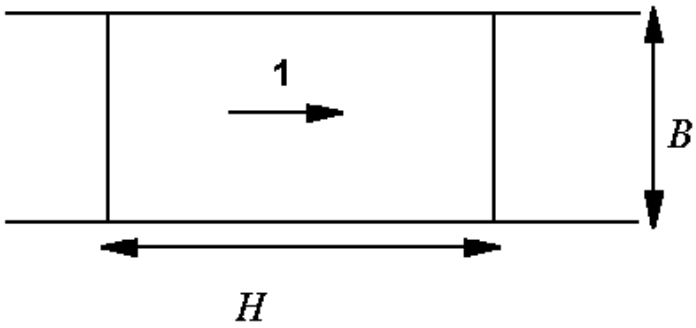
The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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
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

3.2
stock sizes
glass delivered in the following sizes:

– nominal length, H: 2 100 mm to 4 500 mm;

– nominal width, B: 1 260 mm to 2 520 mm

NOTE The maximum stock sizes available depend on the manufacturer and the pattern.

3.3
visual fault
fault which alters the visual quality of the glass

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

3.4
spherical or quasi-spherical spot fault
spot fault whose larger dimension is less than or equal to twice the smaller dimension

3.5
elongated spot fault
spot fault whose larger dimension is more than twice the smaller dimension

3.6
linear/extended fault
fault which can be on or in the glass, in the form of deposits, marks or scratches which occupy an extended length or area

3.7
pattern fault
deviations of the pattern relative to a reference, e.g. line or straight edge

3.8
deviation of the pattern
deviation, x, of the pattern

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 thickest and closest point to the centre of each side. Measurement shall be by means of an instrument of the plate gauge type with a diameter of 50 mm ± 5 mm.

NOTE The mechanical resistance of patterned glass is a function of the pattern as well as the thickness.

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 1.

Table 1 — Tolerances on nominal thickness

Dimensions in millimetres

Nominal thickness	Tolerances
3	± 0,5
4	± 0,5
5	± 0,5
6	± 0,5
8	± 0,8
10	± 1,0
12	± 1,5
14	± 1,5
15	± 1,5
19	± 2,0

4.2 Length, width and squareness

The tolerances, t, on the nominal dimensions length, H, and width, B, are dependant on the thickness of the glass and are shown in Table 2.

Table 2 — Tolerances, t, on length, H, and width, B, according to the nominal thickness of the glass

Dimensions in millimetres

Nominal thickness	Tolerances, t
3 4 5 6	± 3
8 10	± 4
12 14 15 19	± 5