



SLOVENSKI STANDARD
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Steklo v gradbeništvu - HS-preskus kaljenega zemljoalkalijskega silikatnega varnostnega stekla - 2. del: Vrednotenje skladnosti/standard za izdelek

Glass in building - Heat soaked thermally toughened alkaline earth silicate safety glass - Part 2: Evaluation of conformity/Product standard

Glas im Bauwesen - Heißgelagertes thermisch vorgespanntes Erdalkali-Silicat-Einscheibensicherheitsglas - Teil 2: Konformitätsbewertung/Produktnorm

Verre dans la construction - Verre de silicate alcalinoterreux de sécurité trempé et traité Heat Soak - Partie 2 : Evaluation de la conformité/Norme de produit

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**Glass in building - Heat soaked thermally toughened alkaline
earth silicate safety glass - Part 2: Evaluation of
conformity/Product standard**

Verre dans la construction - Verre de silicate alcalinoterreux
de sécurité trempé et traité Heat Soak - Partie 2 :
Evaluation de la conformité/Norme de produit

Glas im Bauwesen - Heißgelagertes thermisch
vorgespanntes Erdalkali-Silicat-Einscheibensicherheitsglas
- Teil 2: Konformitätsbewertung/Produktnorm

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.

This draft European Standard was established by CEN 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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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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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FprEN 15682-2:2012 (E)**Foreword**

This document (FprEN 15682-2:2012) 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 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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 15682 is composed of the following parts:

- FprEN 15682-1, *Glass in building — Heat soaked thermally toughened alkaline earth silicate safety glass — Part 1: Definition and description*;
- FprEN 15682-2, *Glass in building — Heat soaked thermally toughened alkaline earth silicate safety glass — Part 2: Evaluation of conformity/Product standard*.

This European Standard contains other aspects of importance of trade.

1 Scope

This European Standard specifies requirements, the evaluation of conformity and the factory production control of flat heat soaked thermally toughened alkaline earth silicate safety glass for use in buildings.

For glass products with electrical wiring or connections for, e.g. alarm or heating purposes, other directives, e.g. Low Voltage Directive, may apply.

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 356, *Glass in building — Security glazing — Testing and classification of resistance against manual attack*

EN 410, *Glass in building — Determination of luminous and solar characteristics of glazing*

EN 673, *Glass in building — Determination of thermal transmittance (U value) — Calculation method*

EN 1063, *Glass in building — Security glazing — Testing and classification of resistance against bullet attack*

EN 1096-1, *Glass in building — Coated glass — Part 1: Definitions and classification*

EN 1096-2, *Glass in building — Coated glass — Part 2: Requirements and test methods for class A, B and S coatings*

EN 1096-3, *Glass in building — Coated glass — Part 3: Requirements and test methods for class C and D coatings*

EN 1288-3, *Glass in building — Determination of the bending strength of glass — Part 3: Test with specimen supported at two points (four point bending)*

EN 12600, *Glass in building — Pendulum test — Impact test method and classification for flat glass*

EN 12758, *Glass in building — Glazing and airborne sound insulation — Product descriptions and determination of properties*

EN 12898, *Glass in building — Determination of the emissivity*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13501-2, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13501-5, *Fire classification of construction products and building elements — Part 5: Classification using data from external fire exposure to roof tests*

EN 13541, *Glass in building — Security glazing — Testing and classification of resistance against explosion pressure*

FprEN 15682-2:2012 (E)

EN 14178-1, *Glass in building — Basic alkaline earth silicate glass products — Part 1: Float glass*

FprEN 15682-1:2012, *Glass in building — Heat soaked thermally toughened alkaline earth silicate safety glass — Part 1: Definition and description*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in FprEN 15682-1:2012 and the following apply.

3.1**initial type testing**

determination of the performance of a product (characteristic, durability), on the basis of either actual tests or other procedures (such as conventional, standardised, tabulated or general accepted values, standardised or recognised calculation methods, test reports when made available, ...), in accordance with this document that demonstrates compliance with this document

[SOURCE: EN 14178-2:2004, 3.1]

3.2**test report**

document that covers the results of tests undertaken on a representative sample of the product from production or on a prototype design of the product

[SOURCE: EN 14178-2:2004, 3.2]

3.3**product description**

document that details the relevant parameters, e.g. process conditions, structure, etc., for defining a product that complies with the standard. It includes specific reference(s) to characteristics that are modified by the production process

[SOURCE: EN 14178-2:2004, 3.3]

3.4**significant change**

variation in performance beyond the permitted tolerance for the characteristic

[SOURCE: EN 14178-2:2004, 3.4]

4 Requirements**4.1 Product description**

For conformity purposes the heat soaked thermally toughened alkaline earth silicate glass manufacturer is responsible for the preparation and maintenance of the product description. This description shall describe the product and/or product families.

Disclosure of the product description shall be at the discretion of the heat soaked thermally toughened alkaline earth silicate glass manufacturer or his agent except in the case of regulatory requirements.

The description shall contain at least a normative part. The description may also contain an informative part, when the manufacturer foresees further development of the product.

The normative part of the description shall contain the following minimum information: