

## საქართველოს სტანდარტი

---

მინა მშენებლობაში-სითბოთი გამაგრებული თერმული ძლიერი ტუტე და  
გრუნტის სილიკატის მინის უსაფრთხოება-ნაწილი 2:  
შესაბამისობის/პროდუქტის სტანდარტის შეფასება

# სსტ ენ 15682-2:2013/2018

## საინფორმაციო მონაცემები

1 შემუშავებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს სტანდარტების დეპარტამენტის მიერ

2 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს 2018 წლის 17 აგვისტოს № 85 განკარგულებით

3 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ 15682-2:2013 „ მინა მშენებლობაში-სითბოთი გამაგრებული თერმული ძლიერი ტუტე და გრუნტის სილიკატის მინის უსაფრთხოება-ნაწილი 2: შესაბამისობის/პროდუქტის სტანდარტის შეფასება“

### 4 პირველად

5 რეგისტრირებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2018 წლის 17 აგვისტო №268-1.3-013976

აკრძალულია ამ სტანდარტის გადაცემა მესამე პირებისათვის ან/და მისი სხვა ფორმით გავრცელება

English Version

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 European Standard was approved by CEN on 30 May 2013.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

**Contents**

Page

Foreword.....4

1 Scope .....5

2 Normative references .....5

3 Terms and definitions .....6

4 Requirements .....6

4.1 Product description .....6

4.2 Conformity with the definition of heat soaked thermally toughened alkaline earth silicate safety glass .....7

4.3 Determination of the characteristic’s performances .....7

4.3.1 Characteristics of heat soaked thermally toughened alkaline earth silicate safety glass .....7

4.3.2 Determination of characteristics of heat soaked thermally toughened alkaline earth silicate safety glass products.....8

4.4 Durability ..... 10

4.5 Dangerous substances ..... 11

5 Evaluation of conformity..... 11

5.1 General..... 11

5.2 Initial type testing of the product (see 5.1, b)) ..... 11

5.2.1 General..... 11

5.2.2 Initial type testing of heat soaked thermally toughened alkaline earth silicate safety glass ..... 12

5.2.3 Initial type testing of characteristic’s performances ..... 15

5.3 Factory production control and inspection of samples in accordance with a prescribed test plan (see 5.1, a) 1)) ..... 15

5.4 Initial inspection of factory and of factory production control (see 5.1, a) 2)) ..... 15

5.5 Continuous surveillance and assessment of the factory production control (see 5.1, a) 3))..... 16

6 Marking and/or labelling ..... 17

6.1 General..... 17

6.2 Product marking ..... 17

6.3 Product characteristics ..... 17

6.4 “Characteristics/performance identification paper” ..... 17

Annex A (normative) Factory production control..... 18

A.1 Factory production control requirements ..... 18

A.1.1 General..... 18

A.1.2 Organisation..... 18

A.1.3 Control system..... 18

A.2 Marking ..... 19

A.3 Inspection and testing tables of heat soaked thermally toughened alkaline earth silicate safety glass production ..... 19

A.3.1 Information on Table A.1..... 19

A.3.2 Production control..... 20

A.3.3 Product control ..... 20

A.3.4 Use of proxy testing ..... 20

Annex B (normative) Tests for factory production control..... 24

B.1 Strength measurement..... 24

B.1.1 Four point bending strength test ..... 24

B.1.2 Optical surface pre-stress measurement ..... 24

B.2 Fragmentation test..... 25

B.2.1 Requirements ..... 25

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

<b>B.2.2</b>	<b>Test method</b> .....	<b>25</b>
<b>Annex C</b>	<b>(informative) Provisions for voluntary involvement of third party(ies)</b> .....	<b>26</b>
<b>C.1</b>	<b>General</b> .....	<b>26</b>
<b>C.2</b>	<b>Voluntary tasks for third parties</b> .....	<b>26</b>
<b>C.3</b>	<b>Marking and labelling</b> .....	<b>26</b>
<b>Annex ZA</b>	<b>(informative) Clauses of this European Standard addressing the provisions of EU</b>	
	<b>Construction Products Directive</b> .....	<b>27</b>
<b>ZA.1</b>	<b>Scope and relevant characteristics</b> .....	<b>27</b>
<b>ZA.2</b>	<b>Procedure(s) for the attestation of conformity of heat soaked thermally toughened</b>	
	<b>alkaline earth silicate safety glass products</b> .....	<b>29</b>
<b>ZA.2.1</b>	<b>System(s) of attestation of conformity</b> .....	<b>29</b>
<b>ZA.2.2</b>	<b>EC Certificate and Declaration of Conformity</b> .....	<b>31</b>
<b>ZA.3</b>	<b>CE marking and labelling</b> .....	<b>32</b>
	<b>Bibliography</b> .....	<b>35</b>

## Foreword

This document (EN 15682-2:2013) 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 January 2014, and conflicting national standards shall be withdrawn at the latest by January 2014.

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 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:

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

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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.

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.