

საქართველოს სტანდარტი

სპეციფიკაცია ქვის ერთეულებისათვის-ნაწილი 6: ბუნებრივი სამშენებლო
ქვის ელემენტები

საქართველოს სტანდარტებისა და მეტროლოგიის
ეროვნული სააგენტო
თბილისი

სსტ ენ 771-6 : 2011+A1:2015/2015

საინფორმაციო მონაცემები

1 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს 2015 წლის 27 ოქტომბრის № 69 და 2015 წლის 09 ივლისის № 46 განკარგულებებით

2 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ 771-6 : 2011+A1:2015 „სპეციფიკაცია ქვის ერთეულებისათვის-ნაწილი 6: ბუნებრივი სამშენებლო ქვის ელემენტები“

3 პირველად

4 რეგისტრირებულია საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2015 წლის 27 ოქტომბერი №268-1.3-8035

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

English Version

Specification for masonry units - Part 6: Natural stone masonry
units

Spécification pour éléments de maçonnerie - Partie 6:
Éléments de maçonnerie en pierre naturelle

Festlegungen für Mauersteine - Teil 6: Natursteine

This European Standard was approved by CEN on 3 March 2011 and includes Amendment 1 approved by CEN on 11 January 2015.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Materials of natural stone	8
5 Requirements for natural stone masonry units	8
5.1 General	8
5.2 Denomination	8
5.3 Dimensions and tolerances	8
5.3.1 Dimensions	8
5.3.2 Dimensional tolerances	9
5.4 ▣ Configuration and appearance ▣	10
5.4.1 Configuration	10
5.4.2 Surface appearance	10
5.5 Apparent density	11
5.6 Mechanical strengths	11
5.6.1 Compressive strength	11
5.6.2 Flexural strength	11
5.7 Shear bond strength	12
5.7.1 General	12
5.7.2 Declaration based on fixed values	12
5.7.3 Declaration based on tests	12
5.8 Flexural bond strength	12
5.9 Open porosity	12
5.10 Water absorption coefficient by capillarity	12
5.11 Durability	13
5.12 Thermal properties	13
5.13 Reaction to fire	13
5.14 Water vapour permeability	14
5.15 Dangerous substances	14
6 Description, designation and classification of natural stone masonry units	14
6.1 Description and designation	14
6.2 Classification	15
7 Marking	15
8 ▣ Assessment and verification of constancy of performance (AVCP) ▣	15
8.1 General	15
8.2 Product type determination	16
8.3 Factory production control	17
8.3.1 General	17
8.3.2 Testing and measuring equipment	17
8.3.3 Production equipment	17
8.3.4 Raw materials	17
8.3.5 Production process	17
8.3.6 Finished product testing	18
8.3.7 Statistical techniques	18
8.3.8 Marking and stock control of products	18
8.3.9 Traceability	18

8.3.10 Nonconforming products	18
Annex A (normative) [A1] Sampling for type testing and for independent testing of consignment [A1]	19
A.1 General	19
A.2 Sampling procedure	19
A.2.1 General	19
A.2.2 Random sampling	19
A.2.3 Representative sampling	19
A.2.4 Dividing the sample	20
A.2.5 Number of units required for testing	20
Annex B (informative) [A1] Guidance for test frequencies for designing a FPC system to demonstrate conformity of finished products with the requirements of the standard and the declaration of the manufacturer [A1]	21
Annex ZA (informative) [A1] Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation [A1]	23
ZA.1 Scope and relevant characteristics	23
ZA.2 Procedure(s) for AVCP of natural stone masonry units	24
ZA.2.1 System(s) of AVCP	24
ZA.2.2 Declaration of performance (DoP)	26
ZA.3 CE marking and labelling	30
Bibliography	34

European foreword

This document (EN 771-6:2011+A1:2015) has been prepared by Technical Committee CEN/TC 125 "Masonry", the secretariat of which is held by BSI.

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 February 2016, and conflicting national standards shall be withdrawn at the latest by May 2017.

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 supersedes A1 EN 771-6:2011 A1.

This document includes Amendment 1 approved by CEN on 2015-01-11.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

A1 This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports basic requirements for construction works of the EU Construction Products Regulation (Regulation (EU) No 305/2011).

For relationship with EU Regulation/Directive(s), see informative Annex ZA, which is an integral part of this document. A1

This European Standard also takes into account the general rules for unreinforced and reinforced masonry in EN 1996-1-1.

EN 771, *Specification for masonry units* consists of:

- *Part 1: Clay masonry units*
- *Part 2: Calcium silicate masonry units*
- *Part 3: Aggregate concrete masonry units (Dense and light weight aggregates)*
- *Part 4: Autoclaved aerated concrete masonry units*
- *Part 5: Manufactured stone masonry units*
- *Part 6: Natural stone masonry units*

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