

STN	Špecifikácia murovacích prvkov. Časť 3: Betónové murovacie prvky (z hutného a ľahkého kameniva).	STN EN 771-3+A1 72 2632
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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/15

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EN 771-3:2011+A1

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English Version

Specification for masonry units - Part 3: Aggregate concrete masonry units (Dense and lightweight aggregates)

Spécifications pour éléments de maçonnerie - Partie 3:
Éléments de maçonnerie en béton de granulats (granulats
courants et légers)

Festlegungen für Mauersteine - Teil 3: Mauersteine aus
Beton (mit dichten und porigen Zuschlägen)

This European Standard was approved by CEN on 10 March 2011 and includes Amendment 1 approved by CEN on 11 January 2015.

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

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Contents

Page

European foreword	4
1 Scope	5
2 Normative references	5
3 Terms, definitions and symbols	6
3.1 Terms and definitions	6
3.2 Symbols	8
4 Materials	8
5 Requirements for aggregate concrete masonry units	9
5.1 General	9
5.2 Dimensions and tolerances	9
5.2.1 Dimensions	9
5.2.2 Dimensional tolerances	10
5.3 Configuration and appearance	10
5.3.1 Configuration	10
5.3.2 Appearance	11
5.4 Density	11
5.4.1 Gross dry density of the units	11
5.4.2 Net dry density of the concrete	12
5.4.3 Tolerances	12
5.5 Mechanical strength	12
5.5.1 Compressive strength	12
5.5.2 Bending tensile strength	13
5.6 Thermal properties	13
5.7 Durability	13
5.8 Water absorption by capillarity	14
5.9 Moisture movement	14
5.10 Water vapour permeability	14
5.11 Reaction to fire	14
5.12 Shear bond strength	14
5.12.1 General	14
5.12.2 Declaration based on fixed values	15
5.12.3 Declaration based on tests	15
5.13 Flexural bond strength	15
5.14 Dangerous substances	15
6 Description, designation and classification of aggregate concrete masonry units	15
6.1 Description and designation of units	15
6.2 Classification	16
7 Marking	16
8  Assessment and verification of constancy of performance (AVCP) 	16
8.1 General	16
8.2  Product type determination 	17
8.3 Factory production control	18
8.3.1 General	18
8.3.2 Testing and measuring equipment	18
8.3.3 Production equipment	18
8.3.4 Raw materials	18

8.3.5	Production process	19
8.3.6	Finished product testing.....	19
8.3.7	Statistical techniques.....	19
8.3.8	Marking and stock control of products.....	19
8.3.9	Traceability.....	19
8.3.10	Nonconforming products	19
Annex A	(normative)  Sampling for determination of product type and for independent testing of consignments 	20
A.1	General	20
A.2	Sampling procedure	20
A.2.1	General	20
A.2.2	Random sampling	20
A.2.3	Representative sampling	20
A.2.4	Dividing the sample.....	21
A.2.5	Number of units required for testing.....	21
A.3	Place and dates of inspection and testing.....	22
Annex B	(normative)  Compliance criteria for product type determination and for independent testing of consignments 	23
B.1	Dimensions and tolerances (see 5.2)	23
B.2	Configuration and appearance (see 5.3).....	23
B.3	Density (see 5.4)	23
B.4	Mechanical strength (see 5.5)	23
B.4.1	Characteristic strength	23
B.4.2	Mean strength	23
B.5	Moisture movement and water absorption by capillarity (see 5.9 and 5.8).....	23
Annex C	(informative) Examples of different shapes of aggregate concrete masonry units	27
Annex D	(informative) 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	28
Annex ZA	(informative)  Clauses of this European Standard addressing the provisions of the EU Construction Products Directive 	30
ZA.1	Scope and relevant characteristics	30
ZA.2	Procedure for AVCP of aggregate concrete masonry units	32
ZA.2.1	System(s) of AVCP	32
ZA.2.2	Declaration of performance (DoP)	33
ZA.3	CE marking and labelling.....	38
Bibliography		41

European foreword

This document (EN 771-3:2011+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 771-3:2011 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/Directives, see informative Annex ZA, which is an integral part of this document. A1

This European Standard also takes into account the general rules for reinforced and unreinforced masonry in Eurocode 6.

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.

1 Scope

This European Standard specifies the characteristics and performance requirements of aggregate concrete masonry units made from dense and lightweight aggregates or a combination of both for which the main intended uses are common, facing or exposed masonry in load bearing or non-load bearing building and civil engineering applications. The units are suitable for all forms of walling, including single leaf, external leaf to chimneys, cavity wall, partitions, retaining, and basement. They can provide fire protection, thermal insulation, sound insulation and sound absorption.

This European Standard includes aggregate concrete masonry units of an overall non-rectangular parallelepiped shape, A_1 specially A_1 shaped and accessory units.

A_1 It defines the performance related to e.g. strength, density, dimensional accuracy, and provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard. The marking requirement for products covered by this European Standard is included. A_1

This European Standard does not specify standard sizes for aggregate concrete masonry units, nor standard work dimensions and angles of specially shaped aggregate concrete masonry units. It does not cover storey height panels, chimney flue linings nor units intended for use as a damp proof course. It does not cover units with an incorporated thermal insulation material bonded to the faces of the unit susceptible to be exposed to fire.

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.

EN 772-1:2011, *Methods of test for masonry units — Part 1: Determination of compressive strength*

EN 772-2, *Methods of test for masonry units — Part 2: Determination of percentage area of voids in aggregate concrete masonry units (by paper indentation)*

EN 772-6, *Methods of test for masonry units — Part 6: Determination of bending tensile strength of aggregate concrete masonry units*

EN 772-11, *Methods of test for masonry units — Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units*

EN 772-13, *Methods of test for masonry units — Part 13: Determination of net and gross dry density of masonry units (except for natural stone)*

EN 772-14, *Methods of test for masonry units — Part 14: Determination of moisture movement of aggregate concrete and manufactured stone masonry units*

EN 772-16:2011, *Methods of test for masonry units — Part 16: Determination of dimensions*

EN 772-20, *Methods of test for masonry units — Part 20: Determination of flatness of faces of aggregate concrete, manufactured stone and natural stone masonry units*

EN 1052-2, *Methods of test for masonry — Part 2: Determination of flexural strength*

EN 1052-3, *Methods of test for masonry — Part 3: Determination of initial shear strength*

EN 771-3:2011+A1:2015 (E)

EN 1745, *Masonry and masonry products — Methods for determining thermal properties*

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

EN ISO 12572, *Hygrothermal performance of building materials and products — Determination of water vapour transmission properties (ISO 12572:2001)*

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