



SLOVENSKI STANDARD SIST EN 771-6:2002

01-januar-2002

Specifikacija za zidake - 6. del: Zidaki iz naravnega kamna

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

Festlegungen für Mauersteine - Teil 6: Natursteine

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

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Ta slovenski standard je istoveten z: EN 771-6:2000

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ICS:

91.100.15 Mineralni materiali in izdelki Mineral materials and products

SIST EN 771-6:2002

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 771-6

August 2000

ICS 91.100.15

English version

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

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

Festlegungen für Mauersteine - Teil 6: Natursteine

This European Standard was approved by CEN on 14 July 2000.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard 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 2001, and conflicting national standards shall be withdrawn at the latest by February 2001.

This European Standard 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).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Annex A is normative.

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1 Scope

This European Standard specifies the characteristics and performance requirements of natural stone masonry units manufactured from natural stone the thickness of which is equal to or greater than 80 mm, used in load bearing or non-loadbearing masonry structures for internal or external applications. All kinds of manufactured stone are excluded.

It defines the performance related to strength, petrographic description, density, porosity, dimensional accuracy, thermal conductivity, water absorption, and frost resistance, measured according to the corresponding test methods contained in separate European Standards. It also contains references to fire and acoustic properties.

It provides for the evaluation of conformity of the product to this European Standard.

The marking requirements for products covered by this European Standard are also included.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- prEN 772-1 Methods of test for masonry units - Part 1: Determination of compressive strength
- EN 772-4 Methods of test for masonry units - Part 4: Determination of real and bulk density and of total and open porosity for natural stone masonry units
- prEN 772-11 Methods of test for masonry units - Part 11: Determination of water absorption due to capillary action
- prEN 772-16 Methods of test for masonry units - Part 16: Determination of dimensions
- prEN 772-20 Methods of test for masonry units - Part 20: Determination of flatness of faces of aggregate concrete, manufactured and natural stone masonry
- EN 12372 Natural stone test methods - Determination of flexural strength under concentrated load
- prEN 1745 Masonry and masonry products - Methods for determining design thermal values.

3 Definitions and Symbols

For the purpose of this European Standard, the following definitions apply.

3.1 Unit related definitions

3.1.1

masonry unit:

preformed component intended for use in masonry construction.

3.1.2

face:

Exposed face of natural stone masonry units.

3.2 Material related definition

3.2.1

natural stone masonry unit:

Masonry unit manufactured from natural stone.

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3.3 Size related definitions

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3.3.1

dimensions and surfaces:

defined by reference to figures 1 and 2. Figure 1 relates to the dimensions and surfaces for rubble stone and Figure 2 relates to the dimensions and surfaces for dimensioned stone.

3.3.2

co-ordinating size:

size of the co-ordinating space allocated to a masonry unit including allowances for joints and tolerances.

3.3.3

work size:

size of a masonry unit specified for its manufacture, to which the actual size conforms within permissible deviations.

3.3.4

actual size:

size of a masonry unit as measured.

3.4 Shape related definitions

3.4.1

rubble stone:

masonry unit squared or not of any shape with variable dimensions, whose face is rough or worked.

3.4.2

squared rubble stone:

rubble stone which is squared and worked of dimensions declared by the manufacturer

3.4.3

regular shaped masonry unit:

masonry unit with an overall rectangular parallelepiped shape.

3.4.4

specially shaped masonry unit:

masonry unit which is not rectangular parallelepiped.

3.4.5

accessory masonry unit:

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masonry unit which is shaped to provide a particular function, e.g. to complete the geometry of the masonry.

3.4.6

dimensioned stone (finished unit):

stone worked on all faces to declared dimensions.

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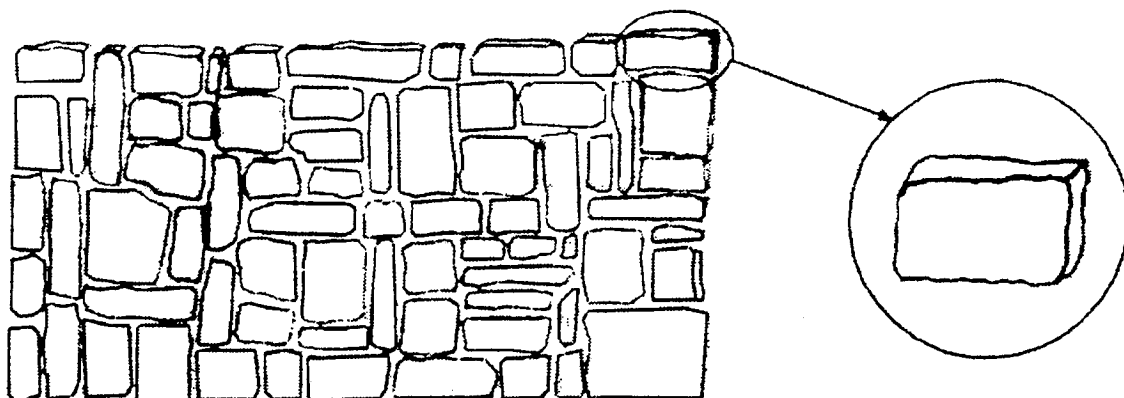


Figure 1 — Dimensions and surfaces for rubble stone

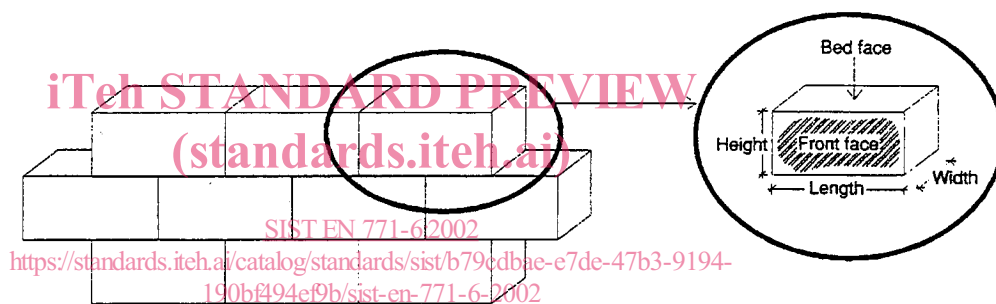


Figure 2 — Dimensions and faces for dimensioned stone

3.5 Other definitions

3.5.1

declared value:

value that a manufacturer is confident of achieving bearing in mind the precision of the test and the variability of the manufacturing process.

3.5.2

indicative samples:

A piece of natural stone of sufficient size to indicate the appearance of the finished work, regarding the colouring, the vein pattern, the physical structure and face finish.