



# SLOVENSKI STANDARD

## SIST EN 771-5:2004/A1:2005

01-april-2005

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### Specifikacija za zidake – 5. del: Zidaki iz umetnega kamna

Specification for masonry units - Part 5: Manufactured stone masonry units

Festlegungen für Mauersteine - Teil 5: Betonwerksteine

iTeh STANDARD PREVIEW

Spécifications pour éléments de maçonnerie - Partie 5: Éléments de maçonnerie en pierre reconstituée en béton

[SIST EN 771-5:2004/A1:2005](https://standards.iteh.ai/catalog/standards/sist/e5991341-a35f-4611-9e62-cb2a31c6d75b/sist-en-771-5-2004-a1-2005)

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 771-5:2003/A1**

February 2005

ICS 91.100.30

English version

## Specification for masonry units - Part 5: Manufactured stone masonry units

Spécifications pour éléments de maçonnerie - Partie 5 :  
Éléments de maçonnerie en pierre reconstituée en béton

Festlegungen für Mauersteine - Teil 5: Betonwerksteine

This amendment A1 modifies the European Standard EN 771-5:2003; it was approved by CEN on 29 December 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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## Foreword

This document (EN 771-5:2003/A1:2005) has been prepared by Technical Committee CEN/TC 125 "Masonry", the Secretariat of which is held by BSI.

This Amendment to the European Standard EN 771-5:2003 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

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 modifications to informative Annex ZA, which is an integral part of this document.

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

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**EN 771-5:2003/A1:2005 (E)****1 Modification in Contents**

Delete "5.3 Configuration" and substitute "5.3 Configuration and appearance".

**2 Modification in Normative references**

Make the reference to EN 772-1 undated by deleting the date "2000" and the reference to EN 998-2 undated by deleting the date "2003".

Amend the following reference title:

"EN 772-20, Methods of test for masonry units — Part 20: Determination of flatness of faces of masonry units"

Add the following reference:

"EN 1996-1-1, Eurocode 6: Design of masonry structures — Part 1-1: Common rules for reinforced and unreinforced masonry structures"

**3 Modification in 5.2 Dimensions and tolerances**

In 1<sup>st</sup> paragraph of subclause 5.2.1 delete "see 5.2.2" and substitute "5.2.2.1".

**4 Modification in 5.2.2 Tolerances**

Modify subclause title and insert new subclause heading immediately below as follows:

**5.2.2 Dimensional tolerances**

**5.2.2.1 Tolerances"**

**5 New 5.2.2.2 Flatness of bed faces**

Add the following new subclause:

**"5.2.2.2 Flatness of bed faces**

When manufactured stone masonry units are intended to be used with thin layer mortar, the manufacturer shall declare the maximum deviation from flatness of the bed faces.

If sampled in accordance with Clause A.2 and tested in accordance with EN 772-20, the deviation from flatness of the bed faces shall not exceed the declared value."

## 6 New 5.2.2.3 Plane parallelism of bed faces

Add the following new subclause:

### "5.2.2.3 Parallelism of bed faces

When manufactured stone masonry units are intended to be used with thin layer mortar, the manufacturer shall also declare the maximum deviation from plane parallelism of the bed faces.

If sampled in accordance with Clause A.2 and tested in accordance with EN 772-16 Method **d)**, the deviation from plane parallelism shall not exceed the declared value.

## 7 Modification in 5.3 Configuration

Amend title to "5.3 Configuration and appearance"

## 8 Modification in 5.3.1 General

Retain the first two sentences only.

Delete "Units for load bearing applications shall be solid . . . .by the manufacturer (see 6.1 c))".

## 9 New 5.3.2 Configuration

Add new 5.3.2 as follows:

### "5.3.2 Configuration

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https://standards.iteh.ai/catalog/standards/sist/e5991341-a35f-4611-9e62-cf9a3fe6d75b/sist-en-771-5-2004-a1-2005](https://standards.iteh.ai/catalog/standards/sist/e5991341-a35f-4611-9e62-cf9a3fe6d75b/sist-en-771-5-2004-a1-2005)

When relevant to the uses for which manufactured stone masonry units are put on the market, the configuration shall be declared, including the maximum area of voids on a bed face as a percentage of the length x width of the unit. The declaration may be made using a drawing or an illustration.

Units intended for use in structural applications shall contain not more than 60 % by volume of all formed voids and may be provided with or without recesses or interlocking features. Such units containing not more than 25 % by volume of formed voids and having no single void greater than 12,5 % of the total volume of the unit may be declared as Group 1 masonry units, in accordance with the requirements of EN 1996-1-1.

When conformity with the declared configuration cannot be assessed by visual inspection, masonry units shall be sampled in accordance with Clause A.2, measured in accordance with EN 772-16 and the values calculated."

Renumber existing "5.3.2 Surface appearance" as 5.3.3.

In the first line of the existing 5.3.2 delete "plain" and substitute "plane".

In two places in the existing 5.3.3 delete "plain" and substitute "plane".

## 10 Modification in 5.3.3 Flatness of surfaces

Renumber the title to read "5.3.4 Flatness of surfaces"

In the first sentence renumber "5.3.2" as "5.3.3".

**EN 771-5:2003/A1:2005 (E)****11 Modification in 5.8.1 Declared value**

Insert Note after text of 5.8.1:

NOTE As an interim measure users of the standard should **divide** the result obtained through EN 772-11 by 24,49 (i.e. the square root of 600) in order to obtain the value in g/m<sup>2</sup>s.

**12 Modification in 6.1 Description and designation**

At the end of b) add "(see 5.2)".

Delete c) and substitute "c) configuration, shape and features including whether homogeneous or two-part, description of surface and if units are Group 1 (see 5.3);"

**13 Modification in Table A.1 — Number of units required for a test**

In the first row "Dimensions . . .", 2<sup>nd</sup> column, delete "5.2" and substitute "5.2 and 5.3.2"

Insert the following two rows below the first row "Dimensions":

<b>Flatness of bed faces</b>	5.2.2.2	EN 772-20	3
<b>Plane parallelism of bed faces</b>	5.2.2.3	EN 772-16	3

In the second row "Flatness of surfaces . . .", 2<sup>nd</sup> column, delete "5.3" and substitute "5.3.4"

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**14 Modification in Table ZA.1 — Scope and relevant clauses**

Add the following two rows at the top of the table:

<b>Dimensions and dimensional tolerances (for units intended to be used in elements subject to structural requirements)</b>	5.2.1 Dimensions	None	Declared values, in mm, and tolerance category
	5.2.2 Tolerances		
<b>Configuration (for units intended to be used in elements subject to structural requirements)</b>	5.3.2 Configuration	None	Declared configuration as illustrated or described

In the second column of the row dealing with "Direct airborne sound insulation..." delete " 5.3 Configuration" and substitute "5.3.2 Configuration"

**15 Modification in Figure ZA.1 — Examples of CE marking information**

Add the following at the start of the list of information (above "Compressive strength: . . . . .")

**"Dimensions:** length (mm), width (mm), height (mm)

**Dimensional tolerances:**

Category: D2