



**SLOVENSKI STANDARD**  
**SIST EN 1467:2012**

**01-julij-2012**

**Nadomešča:**  
**SIST EN 1467:2004**

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**Naravni kamen - Surovi bloki - Zahteve**

Natural stone - Rough blocks - Requirements

Natursteine - Rohblöcke - Anforderungen

Pierres naturelles - Blocs bruts - Exigences

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**ICS:**

91.100.15      Mineralni materiali in izdelki      Mineral materials and products

**SIST EN 1467:2012**

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English Version

## Natural stone - Rough blocks - Requirements

Pierres naturelles - Blocs bruts - Exigences

Natursteine - Rohblöcke - Anforderungen

This European Standard was approved by CEN on 9 March 2012.

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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.

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

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## Foreword

This document (EN 1467:2012) has been prepared by Technical Committee CEN/TC 246 "Natural stones", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

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 EN 1467:2003.

This European Standard is one of a series of standards for requirements of natural stone products which includes the following:

- EN 1467, *Natural stone — Rough blocks — Requirements*
- EN 1468, *Natural stone — Rough slabs — Requirements*
- EN 1469, *Natural stone products — Slabs for cladding — Requirements*
- EN 12057, *Natural stone products — Modular tiles — Requirements*
- EN 12058, *Natural stone products — Slabs for floors and stairs — Requirements*
- EN 12059, *Natural stone products — Dimensional stone work — Requirements*

Other standards on natural stone are produced by

a) CEN/TC 178

- 1) EN 1341, *Slabs of natural stone for external paving — Requirements and test methods*
- 2) EN 1342, *Setts of natural stone for external paving — Requirements and test methods*
- 3) EN 1343, *Kerbs of natural stone for external paving — Requirements and test methods*

b) CEN/TC 128

- 1) EN 12326-1, *Slate and stone products for discontinuous roofing and cladding — Part 1: Product specification*
- 2) EN 12326-2, *Slate and stone products for discontinuous roofing and cladding — Part 2: Methods of test for slate and carbonate slate*

c) CEN/TC 125

- 1) EN 771-6, *Specification for masonry units — Part 6: Natural stone masonry units*

Other standards are relevant to stone aggregates for concrete, roads, railways and armourstone.

**EN 1467:2012 (E)**

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, 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.

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## 1 Scope

This European Standard specifies requirements for rough blocks of natural stone from which products for use in building or commemorative stones and other similar applications are made.

It does not cover artificially agglomerated stony material nor installation.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1936, *Natural stone test methods — Determination of real density and apparent density, and of total and open porosity*

EN 12372, *Natural stone test methods — Determination of flexural strength under concentrated load*

EN 12407, *Natural stone test methods — Petrographic examination*

EN 12440, *Natural stone — Denomination criteria*

EN 12670:2001, *Natural stone — Terminology*

EN 13161, *Natural stone test methods — Determination of flexural strength under constant moment*

EN 13373, *Natural stone test methods — Determination of geometric characteristics on units*

NOTE Besides the European Standards for test methods mentioned in this clause, there exist further standards which can be used for scientific examinations, but which are not relevant for the application in practice according to this European Standard.

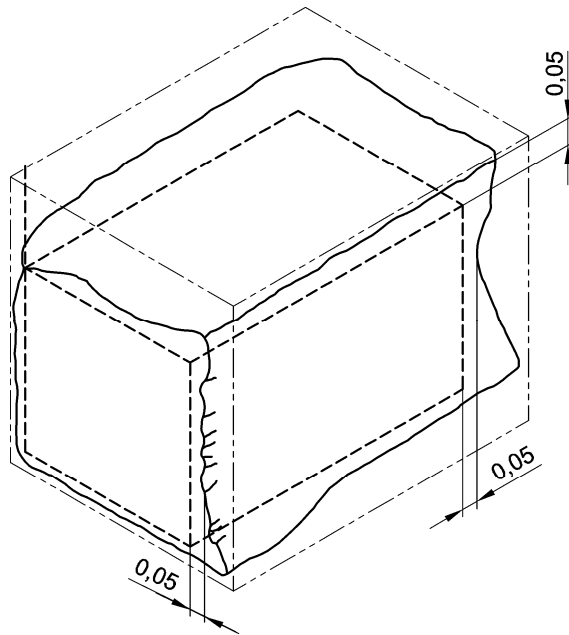
## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12670:2001 and the following apply.

### 3.1

#### **commercial size of a rough block**

size which is obtained by reducing each net dimension by 0,05 m (see Figure 1)

**Key**

---	gross size
-----	commercial size

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**Figure 1 — Gross sizes, commercial sizes of a rough block**

**3.2 dimensions of a rough block** SIST EN 1467:2012  
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 length  $l$ , width  $b$  and height  $h$  are the dimensions of a squared rough block. They are given in the stated sequence in meters to two decimals places

**3.2.1****length** $l$ 

greater side in a natural layer where appropriate

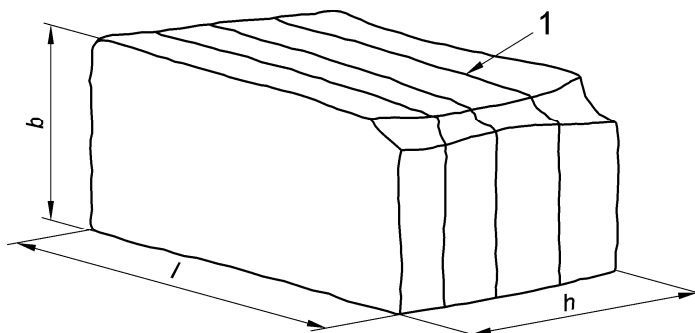
**3.2.2****width** $b$ 

smaller side in the natural layer or at right angles to length

**3.2.3****height** $h$ 

side at right angles to the natural layer (see Figure 2) or to the plane containing length  $l$  and width  $b$



**Key**

1 natural layer

**Figure 2 — Dimensions of a rough block****3.3****gross size of the rough block**

size defined by the lengths of the edges of the smallest parallelepiped circumscribed to a rough block (see Figure 1)

**3.4****net size of a rough block**

size which is determined in the following manner: Establish the greatest inscribed parallelepiped block which shall not contain any sides without right angles nor contain drill holes and other holes. The resulting figure is the net size

**3.5****rough block**

basis of the usable stone consisting of rocks obtained directly from quarries or erratics with no processing whatsoever except extraction and shaping by cutting or splitting

**3.6****rough block of specific size**

squared rough block with certain given dimensions

**3.7****shapeless rough block**

rough block without regular shape and size

**3.8****squared rough block**

rough block which corresponds approximately to a regular parallelepiped

Note 1 to entry: Normally the ratio obtainable by dividing the mass of the squared rough block by the apparent density should be bigger than 80 % of the gross size. If such a ratio is equal to or less than 80 %, the block is considered a shapeless rough block.

**4 Requirements****4.1 Requirements for geometric characteristics****4.1.1 Measurement criteria**

All measurements shall be carried out in accordance with EN 13373 and indicated in metres to two decimals places.