

## **Looduslikust kivist tooted. Moodulplaadid. Nõuded**

Natural stone products - Modular tiles -  
Requirements

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12057:2004 sisaldab Euroopa standardi EN 12057:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 21.12.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12057:2004 consists of the English text of the European standard EN 12057:2004.</p> <p>This document is endorsed on 21.12.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This European Standard specifies requirements for flat modular tiles of natural stone which are made for use as flooring, stairs, cladding and ceiling finishes. It does not cover mineral aggregates and artificial agglomerated stone material and does not cover installation.</p>	<p><b>Scope:</b> This European Standard specifies requirements for flat modular tiles of natural stone which are made for use as flooring, stairs, cladding and ceiling finishes. It does not cover mineral aggregates and artificial agglomerated stone material and does not cover installation.</p>
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ICS 91.100.15

Võtmesõnad:

ICS 91.100.15

**English version**

**Natural stone products – Modular tiles  
Requirements**

Produits en pierre naturelle – Plaquet-  
tes modulaires – Exigences

Natursteinprodukte – Fliesen – Anfor-  
derungen

This European Standard was approved by CEN on 2004-07-09.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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## Foreword

This document (EN 12057:2004) 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 April 2005, and conflicting national standards shall be withdrawn at the latest by July 2006.

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 informative Annexes ZA and ZB, which are an integral part of this document.

This document is one of a series of standards for specifications of natural stone products which includes the following:

EN 1467, *Natural stone - Rough blocks - Requirements*

EN 1468, *Natural stone - Rough slabs - Requirements*

prEN 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*

prEN 12059:, *Natural stone products - Dimensional stone work - Requirements*

Other standards on natural stones are produced by:

CEN/TC 178 *Paving units and kerbs*

EN 1341, *Slabs of natural stone for external paving - Requirements and test methods*

EN 1342, *Setts of natural stone for external paving - Requirements and test methods*

EN 1343, *Kerbs of natural stone for external paving - Requirements and test methods*

CEN/TC 128 *Roof covering products for discontinuous laying and products for wall cladding*

EN 12326-2, *Slate and stone products for discontinuous roofing and cladding - Part 2: Methods of test*

EN 12326-1, *Slate and stone products for discontinuous roofing and cladding - Part 1: Product specification*

CEN/TC 125 *Masonry*

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

Other standards are relevant to aggregates for concrete, roads, railways and armourstone (under study within CEN/TC 154).

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.

## 1 Scope

This document specifies requirements for flat modular tiles of natural stone which are made for use as flooring, stairs, cladding and ceiling finishes. It does not cover mineral aggregates and artificial agglomerated stone material and does not cover installation.

## 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 1925, *Natural stone test methods - Determination of water absorption coefficient by capillarity*

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

EN 12371, *Natural stone test methods - Determination of frost resistance*

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 12524, *Building materials and products - Hygrothermal properties - Tabulated design values*

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*

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

EN 13755, *Natural stone test methods - Determination of water absorption at atmospheric pressure*

EN 14157, *Natural stone test methods - Determination of the abrasion resistance*

EN 14066, *Natural stone test methods - Determination of resistance to ageing by thermal shock*

EN 14231, *Natural stone test methods - Determination of the slip resistance by means of the pendulum tester*

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

NOTE Besides the documents for test methods mentioned in Clause 2 there exist further standards which can be used for scientific examinations, but which are not relevant for the application in practice according to this standard.