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I.S. EN 12059:2008+A1:2011

Natural stone products - Dimensional stone work - Requirements

I.S. EN 12059:2008+A1:2011

Incorporating amendments/corrigenda/National Annexes issued since publication:
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English Version

Natural stone products - Dimensional stone work - Requirements

Produits en pierre naturelle - Pierre de taille - Exigences

Natursteinprodukte - Steine für Massivarbeiten -
Anforderungen

This European Standard was approved by CEN on 12 January 2008 and includes Amendment 1 approved by CEN on 13 November 2011.

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Foreword

This document (EN 12059:2008+A1:2011) 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of an identical text or by endorsement, at the latest by June 2012, and conflicting national standards shall be withdrawn at the latest by June 2012.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 includes Amendment 1, approved by CEN on 2011-11-13.

This document supersedes EN 12059:2008.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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1 Scope

This European Standard specifies requirements for the following stone units:

- a) Structural solid stone units:
 - i. Load bearing stone elements, typically subject to prevailing compression stresses, such as solid columns, arches and similar;
 - ii. Solid stone elements used for parapets, handrails, balustrades, copings and the like, intended to withstand horizontal live loadings in addition to any dead load.
- b) Finishing solid stone units:
 - i. Curved cladding panels, for the external finishing of walls, columns or pilasters;
 - ii. Stone elements for framing one or more side openings in building walls or floors, such as sills, jambs, architraves and similar.

This European Standard does not include stone masonry units, as defined in EN 771-6, stone which is a 'cast-on' finish to pre-cast concrete or agglomerated stones. Moreover it does not cover commemorative or funeral stones and sculptures, when they do not show the above mentioned characteristics.

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.

[A1] EN 772-1, *Methods of test for masonry units — Part 1: Determination of compressive strength* **[A1]**

EN 1925, *Natural stone test methods — Determination of water absorption coefficient by capillarity*

EN 1926, *Natural stone test methods — Determination of uniaxial compressive strength*

EN 1936, *Natural stone test methods — 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 12670:2001, *Natural stone — Terminology*

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

EN 13373:2003, *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 data from reaction to fire tests*

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

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