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NSAI Standards

Irish Standard
I.S. EN 12670:2019

Natural stone - Terminology

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I.S. EN 12670:2019

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National Foreword

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12670

June 2019

ICS 01.040.91; 91.100.15

Supersedes EN 12670:2001

English Version

Natural stone - Terminology

Pierre naturelle - Terminologie

Naturstein - Terminologie

This European Standard was approved by CEN on 15 April 2019.

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European foreword

This document (EN 12670:2019) 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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12670:2001.

In comparison with the precious edition, the following changes have been made:

— the changes concern essentially the proper scientific definitions, terminology, and diagrams.

This document is one of a series of standards for natural stone products including denomination, test methods and product standards.

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

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Introduction

The term Natural Stone groups several rock types with marked geological differences. The extraction, elaboration and commerce of Natural Stone have set a very particular vocabulary. Many of these terms have been taken from the popular or quarrymen language, which sometimes is far from scientific definitions. This document establishes the terminological bases for geological and petrologic definitions of Natural Stone and its classification. References to definitions of natural stone products, defined in other European Standards, are provided when necessary. It also incorporates most of the popular or commercial terminology.

The terminology covers the fields of geology, mining, processing, marketing and products of Natural Stone. The included scientific classifications allow setting the scientific name of the stone varieties. If the stone variety is not included in this document, the rock should be classified using its three main mineralogical components.

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1 Scope

This document defines the recommended terminology covering scientific and technical terms, test methods, products, and the classification of Natural Stones. This document does not cover roofing slate, for roofing slate see EN 12326-1 and EN 12326-2.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 12326-1, *Slate and stone for discontinuous roofing and external cladding - Part 1: Specifications for slate and carbonate slate*

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.1 Geological terms

3.1.1
accessory minerals
rock forming minerals that occur in such small amounts that they are not relevant in the classification or nomenclature of the rock

3.1.2
acid rock
igneous rock that contains more than 66 % vol. of silica

3.1.3
actinolite
Ca-Mg-Fe-amphibole (see amphibole formula)

3.1.4
agate
distinctly banded variety of chalcedony

3.1.5
age
fourth order geological time unit

Note 1 to entry: See Table 2.

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