SLOVENSKI STANDARD
SIST EN 12440:2018

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Naravni kamen - Poimenovanje

Natural stone - Denomination criteria

Naturstein - Kriterien für die Bezeichnung

Pierres naturelles - Critères de dénomination

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Natural stone - Denomination criteria

Pierres naturelles - Critères de dénomination

Naturstein - Kriterien für die Bezeichnung

This European Standard was approved by CEN on 20 July 2017.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 12440:2017) 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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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 12440:2008.

This European Standard is one of a series of European Standards for natural stone products including terminology, 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.

Introduction

The International marketing of natural stone has introduced a great number of names to designate the different varieties of stone. Most of them are traditional names and usually reflect the typical colour and/or other natural features and the place of origin of the stone, although this is not always the case.

Sometimes, the name of a variety includes terms related to the geological classification of the rock (such as granite, marble, quarzite, etc) that may or may not coincide with the accurate petrological name of the rock. Other times the same name is used to denominate different stones or similar varieties are denominated with different names.

The objective of this standard is to unify the designation criteria of natural stone varieties, maintaining the traditional names and introducing terms related to its petrologic nature, typical colour and place of origin.

Informative Annex A provides a non-exhaustive provisional list of the names under which most stones from each contributing European country are known. This list is subjected to revision in future editions.

1 Scope

This European Standard establishes the criteria for the designation of natural stone from raw material to finished products.

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 1469, *Natural stone products - Slabs for cladding - Requirements*

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

EN 12670:2001, *Natural stone - Terminology*

3 Denomination of natural stone

The denomination of natural stones shall include the following parts:

3.1 Name of the natural stone (traditional or commercial name):

The name of the natural stone under which it is marketed corresponding to a particular type of rock and with a specific place of origin. Geographical names not related with the actual place of origin of the stone and company names shall be avoided.

3.2 Petrological family/group:

Scientific name of the rock obtained by petrographic examination according to EN 12407 and EN 12670. Examples of petrological families/groups are included in of EN 12670:2001, Annex A.

3.3 Typical colour:

The range of colour that a stone variety shows. A visual impression on one or more dry bulk samples observed under shadow natural light. It is noted that moisture, dust, surface finish and other features affect the visual colour impression of the stone, thus whatever the observation conditions might be, these shall be reported. See EN 1469 *Natural stone products - Slabs for cladding - Requirements*.

3.4 Place of origin:

The location of the area or quarry shall be as precise as possible, including at least, the city or village, municipality or community, county, province or department and country, separated by a comma (see Annex A). Geo-coordinates could be used with a reference to the coordinate system used.

4 Other information

If available or if agreed between buyer and seller, the following data can also be provided:

4.1 Process conditions:

For prepared products, the surface conditions should be described using an adequate term from EN 12670.

4.2 Natural features:

Natural features that may affect the appearance of the stone, should be described according to EN 12670, i.e.: veins, inclusions, clots, xenoliths, texture, structures, cracks, etc.

4.3 Petrographic name:

Scientific name of the rock according to EN 12670, and obtained by petrographic examination according to EN 12407.

4.4 Geological age:

The age of the stone according to EN 12670 should be given as accurate as possible. If available, further geological data such as geological formation, etc., should be provided.

Annex A
(informative)

Traditional names of European natural stones

A.1 General

This annex is a non-exhaustive list of the majority of European natural stones and is an attempt to list the stones produced in Europe and its petrological classification. It will be revised in further editions of this standard.

The structure of the information on each stone variety is:

— name or names (traditional name);

— petrological group;

— typical colour;

— place of origin.

In some cases the petrological group is provisional, pending to be established using EN 12407 and EN 12670. Unavailable data are represented by a hyphen.

A.2 List of stones

A.2.1 Index

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A.2.2 Austria

AALFANG
granite
Amaliendorf/Aalfang Niederösterreich, Austria
ADNETER
limestone
-
Adnet/Salzburg, Austria
ADNETER ROTGRAU LIENBACHER
limestone
-
-, Austria
ADNETER ROTGRAU SCHECK
limestone
-
-, Austria
ADNETER ROTGRAU SCHNÖLL
limestone
-
-, Austria
ADNETER ROTGRAU TROPF
limestone
-
-, Austria
ADNETER ROTGRAU WIMBERGER
limestone
-
-, Austria
AFLENZ
calcareous arenite
-
Aflenz/Steiermark, Austria
ALBERSCHWENDE
limestone
-
Alberschwende/Vorarlberg, Austria
BÖHMERWALD HELL
granite
-
Aigen/Oberösterreich, Austria
BÖHMERWALD DUNKEL
granodiorite
-
Aigen/Oberösterreich, Austria
BÖHMERWALD GRANIT FEIN
granite
-
Winkl/Schlägl Oberösterreich, Austria
CARAT
meta diabase (metabasite)
-
St. Urban/Kärnten, Austria
GAISSULZ
calcareous tufa
-
Gaissulz/Niederösterreich, Austria

GAMS
paragneiss
-
Gams/Steiermark, Austria
GEBHARTS GROB
diorite
-
Schrems/Niederösterreich, Austria
GEBHARTS FEIN
diorite
-
Schrems/Niederösterreich, Austria
GOLLING
porous conglomerate
-
Golling/Salzburg, Austria
GUSEN
granite
-
Gusen/Oberösterreich, Austria
HARTBERGER
granite
-
Schrems/Niederösterreich, Austria
HERSCHENBERG
granite
-
Gmünd/Niederösterreich, Austria
HÖTTINGER
calcareous breccia
-
Hötting/Tirol, Austria
KAUNERTAL
gneiss
-
Prutz/Tirol, Austria
KRAMSACH
limestone (breccia)
-
Kramsach-Hagenau/Tirol, Austria
KRASTAL
marble
-
Einöde bei Villach/Kärnten, Austria
LASBERG
granite
-
Lasberg/Oberösterreich, Austria
LINDABRUNN
conglomerate
-
Lindabrunn/Niederösterreich, Austria
MALTATAL
granitic-gneiss
-
Maltatal/ Kärnten, Austria

MAUTHAUSEN
granite
-
Mauthausen/Oberösterreich, Austria
NEUHAUSER
granite
-
St.Martin im Mühlkreis/Oberösterreich, Austria
ÖLZTAL
granitic-gneiss
-
Ölztal/Tirol, Austria
PERG
granite
-
Perg/Oberösterreich, Austria
PLOCHWALD
granite
-
Windhaag/Oberösterreich, Austria
RAURIS
dolomitic marble
-
Rauris/Salzburg, Austria
RAURIS
quartzite
-
Rauris/Salzburg, Austria
SCHÄRDING
granite
-
Schärding/Oberösterreich, Austria
SCHLOSSBERG
marble
-
Gradenberg/Köflach Steiermark, Austria
SCHREMS FEINSTKORN
granite
-
Schrems/Niederösterreich, Austria
SCHWARZENSEE
limestone (breccia)
-
St. Wolfgang/Oberösterreich, Austria
SÖLK
marble
-
Sölk/Steiermark, Austria

SPITZ
silicate marble
-
Spitz/ Niederösterreich, Austria
ST. MARGARETHEN
calcareous arenite
-
St. Margarethen/Burgenland, Austria
STAINZER HARTGNEISS
gneiss
-
Stainz/Steiermark, Austria
STEIERWALD
granodiorite
-
Sandl/Oberösterreich, Austria
TAUERNGRÜN
serpentinite
-
Hinterbichl/Tirol, Austria
TERNITZ
conglomerate
-
Ternitz/Niederösterreich, Austria
UNTERSBERG
limestone
-
Fürstenbrunn/Salzburg, Austria
UNTERSBERG HELL
limestone
-
, Austria
UNTERSBERG RÖTLICH
limestone
-
-, Austria
WACHAU
marble
-
Eis-Kottes/Niederösterreich, Austria
WINDHAAG
granite
-
Windhaag/ Oberösterreich, Austria

A.2.3 Belgium

BALEGEMSE STEEN
sandy limestone
beige with brownish patina
Balegem, Belgium
BYZANTIN
limestone marble
red with darked shades
Basin of Philippeville, Belgium
GRÈS D'ARBRE
sandstone
variegated
Meuse region, Belgium
GRÈS D'YVOIR
sandstone
variegated
Meuse region, Belgium
GRÉS DE HALLEUX = GRÉS BLEU D'ANOR
sandstone
dark grey with blush shades
Ardenne, Belgium
GRÈS DE L'OURTHE
sandstone
variegated
Ourthe region, Belgium
GRÉS DE MEUSE
sandstone
variegated
Meuse region, Belgium
GRÈS DU CONDROZ
sandstone
variegated
Condroz region, Belgium
GRÈS DU BOCQ
sandstone
variegated
Meuse region, Belgium
GRÈS DU HOYOUX
sandstone
variegated
Meuse and Condroz regions, Belgium
GRÈS DURS
sandstone
variegated
Meuse region, Belgium

GRÈS SCHISTEUX
shaly sandstone
dark grey with blush or brownish shades
Ardenne, Belgium
GRÈS SCHISTEUX DE LA WARCHE
schist sandstone
dark grey with reddish surfaces
Ardenne, Belgium
GRIS
limestone marble
-
Basin of Philippeville, Belgium
GRIS ROSE
limestone marble
mottled grey
Philippeville Basin, Belgium
MARBRE NOIR DE DINANT
limestone marble
black
Meuse region, Belgium
MARBRE NOIR DE GOLZINNE
limestone marble
black
Namur region, Belgium
NOIR DE TOURNAI
limestone marble
dark grey to black
Basin of Tournai, Belgium
PIERRE BLEUE DE BELGIQUE ® (said PETIT GRANIT)
crinoidal limestone
bluish grey with various shades
Basin of Soignies, Basin of Condroz, Basin of Bocq-Molignée, Belgium
«ARDUIN» BELGISCHE BLAUWE HARDSTEEN ®
crinoidal limestone
bluish grey with various shades
Basin of Soignies, Basin of Condroz, Basin of Bocq-Molignée, Belgium
BLAUSTEIN – BELGISCH "GRANIT" ®
crinoidal limestone
bluish grey with various shades
Basin of Soignies, Basin of Condroz, Basin of Bocq-Molignée, Belgium
PIERRE DE BOUSSIERE
arkose
pastel colours
Malmedy region, Belgium
PIERRE DE FONTENOILLE
sandy limestone to calcarens sandstone
yellow to ochre
Gaume region, Belgium
PIERRE DE GOBERTANGE
sandy limestone
beige with greyish patina
Jodoigne region, Belgium
PIERRE DE GRANDCOURT
limestone
yellow
Gaume region, Belgium
PIERRE DE MOUZAIVE
schist sandstone
grey with brownish shades
Ardenne, Belgium
PIERRE DE LONGPRÉ (Calcaire de Meuse)
crinoidal limestone
light grey
Meuse region, Belgium

PIERRE DE TOURNAI
limestone
grey with yellow patina
Basin of Tournai, Belgium
PIERRE DE VINALMONT (Calcaire de Meuse)
oolitic limestone
grey with light patina
Meuse region, Belgium
PIERRE DE WAIMES
arkose
pastel colours
Malmedy region, Belgium
PSAMMITES DU CONDROZ
sandstone
variegated
Condroz region, Belgium
QUARTZITE
quartzitic sandstone
light colours
Ardenne, Belgium
ROUGE GRIOTTE
limestone marble
dark red
Basin of Philippeville, Belgium
ROUGE ROYAL
limestone marble
bright red
Basin of Philippeville, Belgium
SCHISTE ARDOISIER
slaty schist
dark grey
Ardenne, Belgium
SCHISTE DE LA LIENNE
sandy schist
dark brown
Ardenne, Belgium
SCHIST D'OTTRE = OTTRELITE IMPERIAL
Compact quartzophylade
Dark violet
Ardenne, Belgium
SCHISTES
sandy schist to shaly sandstone
variegated dark colours
Ardenne, Belgium

A.2.4 Croatia (Republic of)

ADRIA GRIGIO MACHIATTO
dolomitic limestone
grey speckled
Sivac (Pučišća, Isle of Brač), Republic of Croatia
ADRIA GRIGIO UNITO
dolomitic limestone
grey
Milovica (Splitska, Isle of Brač), Republic of Croatia
ADRIA GRIGIO VENATO
dolomitic limestone
grey with dark grey veins
Sivac (Pučišća, Isle of Brač), Republic of Croatia
ALKASIN
limestone
yellowish reddish
Radošići (Sinj, Dalmacija), Republic of Croatia
BENKOVAČKI PLOČASTI
limestone
yellowish
Benkovac -Dalmacija, Republic of Croatia
DOLIT
limestone
yellowish grey
Dolit (Donji Dolac, Dalmacija), Republic of Croatia
DRAČEVICA
dolomitic limestone
yellowish
Dračevica (Nerežišća, Isle of Brač), Republic of Croatia
FANTAZIJA
limestone breccia
grey
Fantazija (Donji Dolac, Dalmacija), Republic of Croatia
GROŽNJAN
limestone
yellowish
Grožnjan (Buje, Istra), Republic of Croatia
ISTRANKA
limestone
brown brownish
Istranka (Lupoglav, Istra), Republic of Croatia
JADRAN ZELENI
limestone
greenish grey
Putišići (Donji Dolac, Dalmacija), Republic of Croatia
KANFANAR
limestone
yellow
Kanfanar (Kanfanar, Istra), Republic of Croatia
KIRMENJAK
limestone
ivory to grey
Kirmenjak (Vrsar, Istra), Republic of Croatia
KORENIĆI
limestone
yellowish
Korenići-Kanfanar (Istra), Republic of Croatia

LUCIJA
limestone
grey, dark grey
Lucija (Buje, Istra), Republic of Croatia
MARČANA
limestone
white
Marčana-Pula (Istra) Republic of Croatia
MARIĆI
limestone conglomerate
pinkish greyish
Marići (Obrovac, Dalmacija), Republic of Croatia
MIRONJA
limestone
yellowish to ivory to grey
Slano (Dalmacija) Republic of Croatia
MULTIKOLOR
limestone conglomerate
mottled grey
Radošići (Sinj, Dalmacija), Republic of Croatia
NEGRIS FIORITO
limestone
black decolorated white shells
Triji (Sinj, Dalmacija), Republic of Croatia
OKLAD
dolomite breccia
grey
Oklad (Selce, Isle of Brač), Republic of Croatia
PLANIK
limestone
yellowish grey
Planik (Lupoglav, Istra), Republic of Croatia
PLANO
limestone
yellowish
Plano (Trogir, Dalmcija), Republic of Croatia
RASOTICA B
limestone
brown
Žaganj Dolac (Sumartin, Isle of Brač), Republic of Croatia
RASOTICA C
limestone
brown
Žaganj Dolac (Sumartin, Isle of Brač), Republic of Croatia
ROMANOVAC
limestone breccia
red, greyish
Romanovac (Obrovac, Dalmacija), Republic of Croatia
ROZALIT
limestone conglomerate
rosy
Pakovo selo (Drniš, Dalmacija), Republic of Croatia
SAN ANTONIO
limestone
yellowish
Humac (Lumbarda, Isle of Korčula), Republic of Croatia