



SLOVENSKI STANDARD
SIST EN 12440:2008
01-maj-2008

BUXca Yý U.
SIST EN 12440:2002

Naravni kamen - Poimenovanje

Natural stone - Denomination criteria

Naturstein - Kriterien für die Bezeichnung

Pierres naturelles - Critères de dénomination

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ICS:

01.040.91

91.100.15

SIST EN 12440:2008

en,fr,de

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English Version

Natural stone - Denomination criteria

Pierres naturelles - Critères de dénomination

Naturstein - Kriterien für die Bezeichnung

This European Standard was approved by CEN on 25 November 2007.

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 CEN Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 12440:2008) 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of an identical text or by endorsement, at the latest by July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

This document supersedes EN 12440:2000.

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 organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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 and United Kingdom.

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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, quartzite 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 European 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.

An informative annex 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.

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1 Scope

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

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 12407, *Natural stone test methods — Petrographic examination*

EN 12670:2001, *Natural stone — Terminology*

3 Denomination of natural stone

3.1 General

Natural stones will receive a description which shall include the following parts:

3.2 Name of the natural stone (traditional name)

The name of the natural stone under which it is marketed corresponds 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.

NOTE Frequently a place of origin of a specific stone does extend beyond purely administrative borderlines. A traditional name may include the designation of a variety name, which identifies a specific selection within a given type of rock and a given place of origin (e.g. the bench or level in the quarry, or some typical colour and character).

3.3 Petrological family

Scientific name of the petrological family of the rock according to 3.2 of EN 12670:2001. If the rock is not included in the classifications of 3.2 of EN 12670:2001, an appropriate scientific term shall be employed.

3.4 Typical colour

The range of colour that a stone variety shows. A visual colour appearance of one or more dry and clean bulk samples observed under shadow natural light. It is noted that surface finish and other features affect the visual colour impression of the stone.

3.5 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).

4 Other information

4.1 General

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

4.2 Process finish

For prepared products, the surface finish using an adequate term from 2.3 of EN 12670:2001.

4.3 Natural features

Natural features that may affect the appearance of the stone, according to Clause 2 of EN 12670:2001, i.e.: veins, inclusions, clots, xenoliths, texture, structures, cracks etc.

4.4 Petrographic name

Scientific name of the rock according to 3.2 of EN 12670:2001, and obtained by petrographic examination according to EN 12407.

4.5 Geological age

The age of the stone according to 3.1 of EN 12670:2001. It shall be given whenever possible. If available, further geological data may be provided.

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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 a first attempt to list the stones produced in Europe and its petrological classification. It will be revised in further editions of this European Standard.

The structure of the information on each stone variety is:

- name or names (traditional name);
- petrological family;
- typical colour;
- place of origin.

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

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NOTE Any variety of the stone should be in brackets.

A.2.1 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

KRASTALF
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

ÖLZTAL
granitic-gneiss
-
Ölztal/Tirol, Austria

PERG
granite
-
Perg/Oberösterreich, Austria

PLOCHWALD
granite
-
Windhaag/Oberösterreich, Austria

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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

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A.2.2 Belgium

BALEGEMSE STEEN
sandy limestone
beige with brownish patina
Balegem, Belgium

BYZANTIN
limestone
red with darked shades
Basin of Philippeville, Belgium

GRÈS D'ARBRE
sandstone
variegated
Meuse region, Belgium

GRÈS D'YVOIR
sandstone
variegated
Meuse region, Belgium

GRÈS DE HALLEUX = GRÈS BLEU D'ANOR
sandstone
dark grey with blush shades
Ardenne, Belgium

GRÈS DE L'OURTHE
sandstone
variegated
Ourthe region, Belgium

GRÈS 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, Ourthe and Condroz regions, 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
grey
-
Basin of Philippeville, Belgium

GRIS ROSE
limestone
mottled grey
Basin of Philippeville, Belgium

'MARBRE' NOIR DE DINANT
limestone
black

Meuse region, Belgium

'MARBRE' NOIR DE GOLZINNE
limestone
black
Namur region, Belgium

NOIR DE TOURNAI
limestone
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 BOUSSIRE
arkose
pastel colours
Malmédy region, Belgium
PIERRE DE FONTENOILLE
sandy limestone to calcareous 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
Malmédy region, Belgium

PSAMMITES DU CONDROZ
sandstone
variegated
Condroz region, Belgium

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QUARTZITE

quartzitic sandstone
light colours
Ardenne, Belgium

ROUGE GRIOTTE

limestone
dark red
Basin of Philippeville, Belgium

ROUGE ROYAL

limestone
bright red
Basin of Philippeville, Belgium

SCHISTE ARDOISIER

slaty schist
dark grey
Ardenne, Belgium

SCHISTE DE LA LIENNE

sandy schist
dark brown
Ardenne, Belgium

SCHISTE D'OTTRE

Compact quartzitic phyllite
Dark violet
Ardenne, Belgium

SCHISTES

sandy schist to shaly sandstone
variegated dark colours
Ardenne, Belgium

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A.2.3 Croatia (Republic of)

ADRIA GRIGIO MACHIATTO dolomitic limestone grey speckled Sivac (Pučišća, Isle of Brač), Republic of Croatia	OKLAD dolomite breccia grey Oklad (Selce, Isle of Brač), Republic of Croatia
ADRIA GRIGIO UNITO dolomitic limestone grey Milovica (Splitska, Isle of Brač), Republic of Croatia	PLANIK limestone yellowish grey Planik (Lupoglav, Istra), Republic of Croatia
ADRIA GRIGIO VENATO dolomitic limestone grey with dark grey veins Sivac (Pučišća, Isle of Brač), Republic of Croatia	PLANO limestone yellowish Plano (Trogir, Dalmacija), Republic of Croatia
ALKASIN limestone yellowish reddish Radošići (Sinj, Dalmacija), Republic of Croatia	RASOTICA B limestone brown Žaganj Dolac (Sumartin, Isle of Brač), Republic of Croatia
DOLIT limestone yellowish grey Dolit (Donji Dolac, Dalmacija), Republic of Croatia	RASOTICA C limestone brown Žaganj Dolac (Sumartin, Isle of Brač), Republic of Croatia
DRAČEVICA dolomitic limestone yellowish Dračevica (Nerežišća, Isle of Brač), Republic of Croatia	ROMANOVAC limestone breccia red, greyish Romanovac (Obrovac, Dalmacija), Republic of Croatia
FANTAZIJA limestone breccia grey Fantazija (Donji Dolac, Dalmacija), Republic of Croatia	ROZALIT limestone conglomerate rosy Pakovo selo (Dmiš, Dalmacija), Republic of Croatia
GROŽNJAN limestone yellowish Grožnjan (Buje, Istra), Republic of Croatia	SAN ANTONIO limestone yellowish Humac (Lumbarda, Isle of Korčula), Republic of Croatia
ISTRANKA limestone brown brownish Istranka (Lupoglav, Istra), Republic of Croatia	SAN GIORGIO E dolomitic limestone greyish Glavé (Selca, Isle of Brač), Republic of Croatia
JADRAN ZELENI limestone greenish grey Putišići (Donji Dolac, Dalmacija), Republic of Croatia	SAN GIORGIO W dolomitic limestone greyish Glavé (Selca, Isle of Brač), Republic of Croatia
KANFANAR limestone yellow Kanfanar (Kanfanar, Istra), Republic of Croatia	SEGET limestone white Seget (Trogir, Dalmacija), Republic of Croatia
KIRMENJAK limestone ivory to grey Kirmenjaj (Vrsar, Istra), Republic of Croatia	SELINA limestone yellow Selina (Lovreč, Istra), Republic of Croatia
LUCIJA limestone grey, dark grey Lucija (Buje, Istra), Republic of Croatia	VALTURA FIORITO limestone yellowish Valtura (Pula, Istra), Republic of Croatia
MARIĆI limestone conglomerate pinkish greyish Marići (Obrovac, Dalmacija), Republic of Croatia	VALTURA UNITO limestone yellowish Valtura (Pula, Istra), Republic of Croatia
MULTIKOLOR limestone conglomerate mottled grey Radošići (Sinj, Dalmacija), Republic of Croatia	VESELJE FIORITO limestone whitish Punta (Pučišća, Isle of Brač), Republic of Croatia
NEGRIS FIORITO limestone black decolorated white shells Triji (Sinj, Dalmacija), Republic of Croatia	VESELJE UNITO limestone whitish Punta (Pučišća, Isle of Brač), Republic of Croatia