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Natural stone – Denomination criteria

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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 30 September 2000.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard 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of an identical text or by endorsement, at the latest by April 2001, and conflicting national standards shall be withdrawn at the latest by April 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European Standard is one of a series of European Standards for natural stone products including terminology, test methods and product standards.

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 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.

1 Scope

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

2 Normative References

This European Standard incorporates by dated or undated references, provisions from other publications. These normative references are cited where appropriate in the text and the publications are listed hereafter. For dated references subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12407	Natural stone test methods - Petrographic examination
prEN 12670:1997	Terminology of natural stone

3 Denomination of natural stone

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

3.1 Name of the natural stone (traditional 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

Scientific name of the rock obtained by petrographic examination according to EN 12407 and 4.2 of prEN 12670:1997. If the rock is not included in the classifications of 4.2 of prEN 12670:1997, an appropriate term from clause 3 of prEN 12670:1997 shall be employed.

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 and other features affect the visual colour impression of the stone, thus whatever the observation conditions might be, these shall be reported.

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).

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 clause 3 of prEN 12670:1997.

4.2 Natural features

Natural features that may affect the appearance of the stone, should be described according to clause 3 of prEN 12670:1997, i.e.: veins, inclusions, clots, xenoliths, texture, structures, cracks, etc.

4.3 Petrographic name.

Scientific name of the rock according to 4.3 of prEN 12670:1997, and obtained by petrographic examination according to EN 12407.

4.4 Geological age.

The age of the stone according to 4.1 of prEN 12670:1997. It should be given whenever possible, and be as accurate as possible. If available, further geological data 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 a first 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 family

Typical colour

Place of origin

In some cases the petrological family is provisional, pending to be established using EN 12407 and prEN 12670:1997. Unavailable data are represented by a hyphen.

A.2 List of stones

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A.2.1 Austria

AALFANG granite Amaliendorf/Aalfang Niederösterreich, Austria	Schrems/Niederösterreich, Austria
ADNETER limestone - Adnet/Salzburg, Austria	GOLLING porous conglomerate - Golling/Salzburg, Austria
ADNETER ROTGRAU LIENBACHER limestone - -, Austria	GUSEN granite - Gusen/Oberösterreich, Austria
ADNETER ROTGRAU SCHECK limestone - -, Austria	HARTBERGER granite - Schrems/Niederösterreich, Austria
ADNETER ROTGRAU SCHNÖLL limestone - -, Austria	HERSCHENBERG granite - Gmünd/Niederösterreich, Austria
ADNETER ROTGRAU TROPF limestone - -, Austria	HÖTTINGER calcareous breccia - Hötting/Tirol, Austria
ADNETER ROTGRAU WIMBERGER limestone - -, Austria	KAUNERTAL gneiss - Prutz/Tirol, Austria
AFLENZ calcareous arenite - Aflenz/Steiermark, Austria	KRAMSACH limestone (breccia) - Kramsach-Hagenau/Tirol, Austria
ALBERSCHWENDE limestone - Alberschwende/Vorarlberg, Austria	KRASTAL marble - Einöde bei Villach/Kärnten, Austria
BÖHMERWALD HELL granite - Aigen/Oberösterreich, Austria	LASBERG granite - Lasberg/Oberösterreich, Austria
BÖHMERWALD DUNKEL granodiorite - Aigen/Oberösterreich, Austria	LINDABRUNN conglomerate - Lindabrunn/Niederösterreich, Austria
BÖHMERWALD GRANIT FEIN granite - Winkl/Schlägl Oberösterreich, Austria	MALTATAL granitic-gneiss - Maltatal/ Kärnten, Austria
CARAT meta diabase (metabasite) - St. Urban/Kärnten, Austria	MAUTHAUSEN granite - Mauthausen/Oberösterreich, Austria
GAISSULZ calcareous tufa - Gaissulz/Niederösterreich, Austria	ÖLZTAL granitic-gneiss - Ölztal/Tirol, Austria
GAMS paragneiss - Gams/Steiermark, Austria	PERG granite - Perg/Oberösterreich, Austria
GEBHARTS GROB diorite - Schrems/Niederösterreich, Austria	PLOCHWALD granite - Windhaag/Oberösterreich, Austria
GEBHARTS FEIN diorite -	RAURIS dolomitic marble - Rauris/Salzburg, Austria

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RAURIS quartzite - Rauris/Salzburg, Austria	Stainz/Steiermark, Austria
SCHÄRDING granite - Schärding/Oberösterreich, Austria	STEIERWALD granodiorite - Sandl/Oberösterreich, Austria
SCHLOSSBERG marble - Gradenberg/Köflach Steiermark, Austria	TAUERNGRÜN serpentine - Hinterbichl/Tirol, Austria
SCHREMS FEINSTKORN granite - Schrems/Niederösterreich, Austria	TERNITZ conglomerate - Ternitz/Niederösterreich, Austria
SCHWARZENSEE limestone (breccia) - St. Wolfgang/Oberösterreich, Austria	UNTERSBERG limestone - Fürstenbrunn/Salzburg, Austria
SÖLK marble - Sölk/Steiermark, Austria	UNTERSBERG HELL limestone - -, Austria
SPITZ silicate marble - Spitz/ Niederösterreich, Austria	UNTERSBERG RÖTLICH limestone - -, Austria
ST. MARGARETHEN calcareous arenite - St. Margarethen/Burgenland, Austria	WACHAU marble - Eis-Kottes/Niederösterreich, Austria
STAINZER HARTGNEISS gneiss -	WINDHAAG granite - Windhaag/ Oberösterreich, Austria

A.2.2 Belgium

BALEGEMSE STEEN sandy limestone beige with brownish patina Balegem, Belgium	MARBRE NOIR DE GOLZINNE limestone marble black Namur region, Belgium
BYZANTIN limestone marble red with darked shades Basin of Philippeville, Belgium	NOIR DE TOURNAI limestone marble dark grey to black Basin of Tournai, Belgium
GRÈS D'ARBRE sandstone variegated Meuse region, Belgium	PETIT GRANIT crinoidal limestone bluish grey with various shades Basin of Soignies, Basin of Condroz, Basin of Bocq-Molignée, Belgium
GRÈS D'YVOIR sandstone variegated Meuse region, Belgium	PIERRE DE BOUSSIERE arkose pastel colours Malmedy region, Belgium
GRÉS DE HALLEUX = GRÉS BLEU D'ANOR sandstone dark grey with blush shades Ardenne, Belgium	PIERRE DE FONTENOILLE sandy limestone to calcarens sandstone yellow to ochre Gaume region, Belgium
GRÈS DE L'OURTHE sandstone variegated Ourthe region, Belgium	PIERRE DE GOBERTANGE sandy limestone beige with greyish patina Jodoigne region, Belgium
GRÉS DE MEUSE sandstone variegated Meuse region, Belgium	PIERRE DE GRANDCOURT limestone yellow Gaume region, Belgium
GRÈS DU CONDROZ sandstone variegated Condroz region, Belgium	PIERRE DE MOUZAIVE schist sandstone grey with brownish shades Ardenne, Belgium
GRÈS DU BOCQ sandstone variegated Meuse region, Belgium	PIERRE DE LONGPRÉ crinoidal limestone light grey Meuse region, Belgium
GRÈS DU HOYOUX sandstone variegated Meuse and Condroz regions, Belgium	PIERRE DE TOURNAI limestone grey with yellow patina Basin of Tournai, Belgium
GRÈS DURS sandstone variegated Meuse region, Belgium	PIERRE DE VINALMONT oolitic limestone grey with light patina Meuse region, Belgium
GRÈS SCHISTEUX shaly sandstone dark grey with blush or brownish shades Ardenne, Belgium	PIERRE DE WAIMES arkose pastel colours Malmedy region, Belgium
GRÈS SCHISTEUX DE LA WARCHE schist sandstone dark grey with reddish surfaces Ardenne, Belgium	PSAMMITES DU CONDROZ sandstone variegated Condroz region, Belgium
GRIS limestone marble - Basin of Philippeville, Belgium	QUARTZITE quartzitic sandstone light colours Ardenne, Belgium
GRIS ROSE limestone marble mottled grey Philippeville Basin, Belgium	ROUGE GRIOTTE limestone marble dark red Basin of Philippeville, Belgium
MARBRE NOIR DE DINANT limestone marble black Meuse region, Belgium	ROUGE ROYAL limestone marble bright red Basin of Philippeville, Belgium