

STN	Pigmenty na farbenie stavebných materiálov na báze cementu a (alebo) vápna. Špecifikácie a skúšobné metódy.	STN EN 12878
		72 2335

Pigments for the colouring of building materials based on cement and/or lime - Specifications and methods of test

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/14

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English Version

Pigments for the colouring of building materials based on cement and/or lime - Specifications and methods of test

Pigments de coloration des matériaux de construction à
base de ciment et/ou de chaux - Spécifications et méthodes
d'essai

Pigmente zum Einfärben von zement- und/oder
kalkgebundenen Baustoffen - Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 4 January 2014.

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Contents

Page

Foreword.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Requirements	7
4.1 Effects on concrete properties.....	7
4.1.1 General.....	7
4.1.2 Setting time	7
4.1.3 Compressive strength.....	7
4.2 Composition	7
4.2.1 General.....	7
4.2.2 Constitution of pigments	8
4.2.3 Water soluble substances	8
4.2.4 Soluble chloride	8
4.2.5 Total chlorine	8
4.3 Loss on ignition	8
4.4 Emission of radioactivity	9
4.5 Release of dangerous substances.....	9
4.6 Relative colour strength.....	9
4.7 Residue on sieve.....	9
4.8 pH value	9
4.9 Alkali stability.....	9
4.10 Resistance to weathering	9
4.11 Thermal stability	9
4.12 Colour comparison against standard pigment.....	9
5 Test methods.....	10
5.1 Effect on concrete properties.....	10
5.1.1 Setting time	10
5.1.2 Compressive strength.....	10
5.2 Composition	10
5.2.1 General.....	10
5.2.2 Composition of the pigments	10
5.2.3 Water soluble substances	10
5.2.4 Soluble chloride	10
5.2.5 Total chlorine	10
5.3 Loss on ignition	11
5.4 Emission of radioactivity	11
5.5 Release of dangerous substances.....	11
5.6 Relative colour strength.....	11
5.6.1 General remarks.....	11
5.6.2 Relative colour strength in barytes or white Portland cement CEM I (dry mix)	12
5.6.3 Determination of relative colour strength in barytes (wet mix)	13
5.6.4 Determination of relative colour strength in white Portland cement mortar (wet mix)	13
5.7 Residue on sieve.....	14
5.8 pH value	14
5.9 Alkali stability.....	15
5.9.1 General remarks.....	15

5.9.2	Preparation of test pieces.....	15
5.9.3	Test procedure.....	15
5.10	Resistance to weathering	15
5.11	Thermal stability	16
5.12	Colour comparison against the standard pigment	16
5.12.1	General	16
5.12.2	Equipment and test materials	16
5.12.3	Mortar formulation:	17
5.12.4	Test procedure.....	17
5.12.5	Evaluation of test.....	17
6	Assessment and verification of constancy of performance – AVCP	18
6.1	General	18
6.2	Sampling.....	18
6.3	Conformity criteria	18
6.4	Product type determination.....	18
6.5	Factory production control.....	19
6.5.1	Concept	19
6.6	Internal quality control.....	22
6.6.1	Process control	22
6.6.2	Measuring and testing	22
6.6.3	Handling, storage, packaging and delivery	22
6.7	Frequency of inspections	22
A.1	Reference to 5.6.2 “ <i>Relative colour strength in barites white Portland cement CEM I (dry mix)</i> ” and 5.6.3 “ <i>Determination of relative colour strength in barytes (wet mix)</i> ”	23
A.2	Reference to 5.9 “ <i>Alkali stability</i> ”	23
A.3	Reference to 5.10 “ <i>Resistance to weathering</i> ”	23
Annex ZA	(informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation	24
ZA.1	Scope and relevant characteristics	24
ZA.2	Procedure for AVCP of pigments for use in the colouring of building materials based on cement and cement/lime combinations	25
ZA.2.1	Systems of Assessment and verification of constancy of performance (AVCP)	25
ZA.2.2	Declaration of performance (DoP)	26
ZA.2.2.1	General.....	26
ZA.2.2.2	Content.....	26
ZA.2.2.3	Example of DoP.....	27
ZA.3	CE marking and labelling.....	28
Bibliography	30

Foreword

This document (EN 12878:2014) has been prepared by Technical Committee CEN/TC 298 "Pigments and extenders", the secretariat of which is held by DIN.

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 October 2014 and conflicting national standards shall be withdrawn at the latest by January 2016.

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 supersedes EN 12878:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the Construction Production Regulation (CPR).

For relationship with the Construction Production Regulation, see informative Annex ZA, which is an integral part of this document.

EN 12878:2005 has been technically revised as follows:

- a) requirements for Category B regarding water soluble substances in 4.2.3 modified to accommodate non powder preparations;
- b) test method for total chlorine content (5.2.5) changed;
- c) permission to use alternative test methods with proven correlation to standard methods added;
- d) light source amended;
- e) Annex ZA has been changed to consider the new Construction Production Regulation (CPR).

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, 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the requirements and the methods of test for pigments for use in the colouring of building materials based on cement and cement/lime combinations.

Pigments covered by this European Standard may also be used in pure lime mortar. For this application, see EN 459-1 and EN 459-2.

Pigments for this purpose may be single pigments, blends of pigments, or blends of pigments and extenders, in powder or granular form, or aqueous preparations.

Pigments typically belong to one of the following classes of compounds:

- synthetic or natural oxides and hydroxides of iron;
- oxides of chromium, titanium and manganese;
- complex inorganic pigments, for example combinations of the above mentioned metal oxides and hydroxides with cobalt, aluminium, nickel and antimony oxides and hydroxides;
- ultramarine pigments;
- phthalocyanine blue and green;
- elemental carbon (shall be regarded as an inorganic pigment);
- blends of the above materials (which may also include extenders).

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 196-1:2005, *Methods of testing cement - Part 1: Determination of strength*

EN 196-3, *Methods of testing cement - Part 3: Determination of setting times and soundness*

EN 197-1, *Cement - Part 1: Composition, specifications and conformity criteria for common cements*

EN 934-1:2008, *Admixtures for concrete, mortar and grout - Part 1: Common requirements*

EN ISO 787-3, *General methods of test for pigments and extenders - Part 3: Determination of matter soluble in water - Hot extraction method (ISO 787-3)*

EN ISO 787-7, *General methods of test for pigments and extenders - Part 7: Determination of residue on sieve - Water method - Manual procedure (ISO 787-7)*

EN ISO 787-9, *General methods of test for pigments and extenders - Part 9: Determination of pH value of aqueous suspension (ISO 787-9)*

EN ISO 787-13, *General methods of test for pigments and extenders - Part 13: Determination of water-soluble sulfates, chlorides and nitrates (ISO 787-13)*

EN ISO 15528, *Paints, varnishes and raw materials for paints and varnishes - Sampling (ISO 15528)*

ISO 9277, *Determination of the specific surface area of solids by gas adsorption - BET method*

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