



SLOVENSKI STANDARD

SIST EN 13282-3:2013

01-junij-2013

Nadomešča:
SIST ENV 13282:2001

Hidravlična veziva za ceste - 3. del: Vrednotenje skladnosti

Hydraulic road binders - Part 3: Conformity evaluation

Hydraulische Tragschichtbinder - Teil 3: Konformitätsbewertung

Liants hydrauliques routiers - Partie 3: Evaluation de la conformité

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: **EN 13282-3:2013**

<https://standards.iteh.ai/catalog/standards/sist/fb43ed33-96db-4fa0-8b6c-b6709558db6d/sist-en-13282-3-2013>

ICS:

93.080.20 Materiali za gradnjo cest Road construction materials

SIST EN 13282-3:2013

en,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 13282-3:2013](#)

<https://standards.iteh.ai/catalog/standards/sist/fb43ed33-96db-4fa0-8b6c-b6709558db6d/sist-en-13282-3-2013>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13282-3

March 2013

ICS 93.080.20

English Version

Hydraulic road binders - Part 3: Conformity evaluation

Liants hydrauliques routiers - Partie 3: Evaluation de la conformité

Hydraulische Tragschichtbinder - Teil 3: Konformitätsbewertung

This European Standard was approved by CEN on 20 October 2012.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

[SIST EN 13282-3:2013](https://standards.iteh.ai/catalog/standards/sist/fb43ed33-96db-4fa0-8b6c-b6709558db6d/sist-en-13282-3-2013)

<https://standards.iteh.ai/catalog/standards/sist/fb43ed33-96db-4fa0-8b6c-b6709558db6d/sist-en-13282-3-2013>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	4
3.1 Specific definitions	4
3.2 General definitions.....	5
4 Factory production control by the manufacturer.....	6
4.1 General requirements	6
4.1.1 Concept	6
4.1.2 Work's quality manual.....	6
4.1.3 Management systems	7
4.1.4 System of documentation.....	7
4.2 Internal quality control.....	8
4.2.1 Process control.....	8
4.2.2 Measuring and testing	8
4.2.3 Handling, storage, packaging and delivery.....	8
4.3 Autocontrol testing of samples.....	8
4.3.1 Sampling and testing	8
4.3.2 Evaluation of results of autocontrol testing of samples.....	9
4.3.3 Corrective action.....	9
4.3.4 Measuring and test equipment for autocontrol testing.....	9
4.3.5 Quality records.....	10
5 Initial type testing.....	10
6 Assessment of the factory production control	10
6.1 Surveillance, assessment and acceptance of the factory production control	10
6.1.1 Inspection tasks	10
6.1.2 Frequency of inspections	10
6.1.3 Reports	10
6.2 Initial inspection of the factory and the factory production control	10
6.2.1 Inspection of a new factory	10
6.2.2 Inspection of an existing factory	10
6.2.3 Criteria for the assessment of the production equipment	11
6.2.4 Criteria for the activities of the laboratories	11
6.2.5 Reports	11
7 Actions in the event of non-conformity.....	11
7.1 Actions to be taken by the manufacturer.....	11
7.2 Actions to be taken in case of a non-conforming factory production control system	12
8 Requirement for dispatching centres.....	12
8.1 General	12
8.2 Tasks for the intermediary.....	12
8.2.1 Quality control.....	12
8.2.2 Confirmation autocontrol testing of samples taken at the dispatching centre.....	12
Bibliography.....	14

Foreword

This document (EN 13282-3:2013) has been prepared by Technical Committee CEN/TC 51 “Cement and building limes”, the secretariat of which is held by NBN.

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 September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This European Standard, EN 13282, *Hydraulic road binders* consists of the following parts:

- *Part 1: Rapid hardening hydraulic road binders — Composition, specifications and conformity criteria*
- *Part 2: Normal hardening hydraulic road binders — Composition, specifications and conformity criteria*
- *Part 3: Conformity evaluation*

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

EN 13282-3:2013 (E)**1 Scope**

This European Standard specifies the scheme for the evaluation of conformity of hydraulic road binders to their corresponding product specification standards EN 13282-1 and prEN 13282-2.

This European Standard provides technical rules for factory production control by the manufacturer, including autocontrol testing of samples. It also provides rules for actions to be followed in the event of non-conformity.

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, *Methods of testing cement — Part 1: Determination of strength*

EN 196-2, *Methods of testing cement — Part 2: Chemical analysis of cement*

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

EN 196-7, *Methods of testing cement — Part 7: Methods of taking and preparing samples of cement*

EN 13282-1:2013, *Hydraulic road binders — Part 1: Rapid hardening hydraulic road binders — Composition, specifications and conformity criteria*

prEN 13282-2:2013, *Hydraulic road binders — Part 2: Normal hardening hydraulic road binders — Composition, specifications and conformity criteria*

SIST EN 13282-3:2013

<https://standards.iteh.ai/catalog/standards/sist/fb43ed33-96db-4fa0-8b6c-b6709558db6d/sist-en-13282-3-2013>

3 Terms and definitions

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

3.1 Specific definitions**3.1.1****factory production control**

permanent internal control of hydraulic road binder production exercised by the manufacturer consisting of internal quality control complemented by autocontrol testing

3.1.2**initial period**

immediate period after the first issuing of the certificate of conformity for a hydraulic road binder

3.1.3**factory**

facility used by a manufacturer applying a production control for the production of hydraulic road binders, using equipment which is suitable for continuous mass production of hydraulic road binder including, in particular, equipment for adequate grinding and homogenisation and the necessary silo capacity for the storage and dispatch of each hydraulic road binder produced, in order to ensure that the requirements of EN 13282 are met

3.1.4**new factory**

factory which is not already producing hydraulic road binder(s) certified under this scheme

3.1.5**existing factory**

factory which is already producing hydraulic road binder(s) certified under this scheme

3.1.6**depot**

bulk hydraulic road binder handling facility (not located at the factory) used for the dispatch of hydraulic road binder (whether in bulk or bagged) after transfer or storage where the manufacturer has full responsibility for all aspects of the quality of the hydraulic road binder

3.1.7**dispatching centre**

bulk hydraulic road binder handling facility (not located at the factory) used for the dispatch of hydraulic road binder (whether in bulk or bagged) after transfer or storage where an intermediary has full responsibility for all aspects of the quality of the hydraulic road binder

3.1.8**intermediary**

natural or legal person who takes from the manufacturer bulk hydraulic road binder declared according to this European Standard and bearing the conformity marking, who undertakes full responsibility for maintaining in a bulk handling facility all aspects of the quality of the hydraulic road binder and who supplies the hydraulic road binder onwards to a further person

3.1.9**work's quality manual**

document that provides information on the factory production control which is applied by a manufacturer at a particular factory to ensure conformity of the hydraulic road binder with the requirements of the relevant product specification standard

3.1.10**confirmation autocontrol testing**

continual testing carried out by an intermediary which consists of testing of samples taken by the intermediary at the point(s) of release from the dispatching centre

3.2 General definitions**3.2.1 Definition from EN ISO 9000****3.2.1.1****quality control**

part of quality management focused on fulfilling quality requirements

[SOURCE: EN ISO 9000:2005, 3.2.10]

3.2.2 Definitions from EN 13282-1, prEN 13282-2, EN 197-1 and EN 196-7**3.2.2.1****autocontrol testing**

continual testing by the manufacturer of rapid hydraulic road binder spot samples taken at the point(s) of release from the factory/depot

[SOURCE: EN 13282-1:2013, 3.1]

3.2.2.2**control period**

period of production and dispatch identified for the evaluation of the autocontrol test results

[SOURCE: EN 13282-1:2013, 3.2]

EN 13282-3:2013 (E)**3.2.2.3****spot sample**

sample taken at the same time and from one and the same place, relating to the intended tests, and which can be obtained by combining one or more immediately consecutive increments

[SOURCE: EN 197-1:2011, 3.14]

3.2.2.4**specified characteristic value**

characteristic value of a mechanical, physical or chemical property which in the case of an upper limit is not to be exceeded or in the case of a lower limit is, as a minimum, to be reached

[SOURCE: EN 13282-1:2013, 3.4]

3.2.2.5**single result limit value**

value of a mechanical, physical or chemical property which - for any single test result - in the case of an upper limit is not to be exceeded or in the case of a lower limit is, as a minimum, to be reached

[SOURCE: EN 13282-1:2013, 3.5]

4 Factory production control by the manufacturer**4.1 General requirements**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

4.1.1 Concept

Factory production control means the permanent internal control of hydraulic road binder production exercised by the manufacturer and consists of internal quality control (see 4.2) complemented by autocontrol testing of samples of hydraulic road binder taken at the point of release¹⁾ (see 4.3).

NOTE The requirements of this European Standard regarding factory production control take account of those clauses of EN ISO 9001 [3] which are relevant to the production, process control and testing of hydraulic road binder.

4.1.2 Work's quality manual

The manufacturer's documentation and procedures for factory production control shall be described in a Work's quality manual, which shall adequately describe, among other things:

- a) the quality aims and the organisational structure, responsibilities and powers of the management with regard to product quality and the means to monitor the achievement of the required product quality and the effective operation of the internal quality control (see 4.1.3);
- b) the manufacturing and quality control techniques, processes and systematic actions that will be used (see 4.2.1, 4.2.3 and 4.3.2);
- c) the inspections and tests that will be carried out before, during and after manufacture, and the frequency with which they will be carried out (see 4.2.2, 4.3.1 and 4.3.3).

The Work's quality manual prepared by the manufacturer for each factory shall include an adequate system of documentation (see 4.1.4 and 4.3.4).

The Work's quality manual shall address and document the procedures operated to ensure that the manufactured hydraulic road binder conforms to the technical specifications. The manual may reference

1) This testing corresponds also to the "testing of samples taken at the factory in accordance with the prescribed test plan" mentioned in Annex V Section 1.3 point (iii) of the Construction Products Regulation No 305/2011 of the European Parliament and of the Council [6].

associated documents which provide further details of the autocontrol testing of samples and the internal quality control. For the purpose of this scheme, the term Work's quality manual shall be considered to include these associated documents.

In the case of an existing quality management system according to EN ISO 9001 [3], it may be examined if the corresponding quality manual meets all the requirements of this European Standard which are relevant to the factory production control of hydraulic road binder. Provided all the requirements are included, this quality manual may also be applied for the evaluation of the conformity of the factory production control.

4.1.3 Management systems

4.1.3.1 Quality policy statement

The Work's quality manual shall include a statement by management defining its quality policy, objectives and commitments to the attainment of product quality.

4.1.3.2 Management representative

The manufacturer shall appoint a management representative who, irrespective of other responsibilities, shall have defined authority and responsibility for ensuring that the requirements of this European Standard for the evaluation of conformity are implemented and maintained.

4.1.3.3 Internal audits and management review

In order to ensure the continuing suitability and effectiveness of the Work's quality manual to meet the requirements of this European Standard, the manufacturer shall perform at least once per year:

- a) internal audits covering the scope of this Clause 4 and 6.1;
- b) a management review of the factory production control, taking into account records of the internal audits.

4.1.3.4 Training

The Work's quality manual shall describe the measures taken to ensure that all the personnel involved in operations that can affect internal quality control and product quality have appropriate experience, training and ongoing competence. Appropriate records shall be retained.

4.1.4 System of documentation

4.1.4.1 Document control

The management representative shall be responsible for the control of all documents and data related to factory production control and to this scheme for the evaluation of conformity.

This control shall ensure that the appropriate issues of all documents are available at essential locations, that obsolete documents are withdrawn and that changes or modifications to any document are effectively introduced.

The producer shall have a system to identify the current versions of documents in order to prevent the use of non-applicable documents.

4.1.4.2 Quality records

The manufacturer shall retain records of factory production control for at least the period required to comply with relevant legislation.