



SLOVENSKI STANDARD

SIST EN 14187-2:2017

01-maj-2017

Nadomešča:
SIST EN 14187-2:2004

Hladno nanosljive tesnilne mase za stike - Preskusne metode - 2. del: Ugotavljanje časa nelepljivosti

Cold applied joint sealants - Test methods - Part 2: Determination of tack free time

Kalt verarbeitbare Fugenmassen - Teil 2: Prüfverfahren zur Bestimmung der klebfreien Zeit

ITeH STANDARD PREVIEW
(standards.iteh.ai)

Mastics pour joints appliqués à froid - Méthodes d'essai - Partie 2: Détermination du temps de durcissement

[SIST EN 14187-2:2017](https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017)

[https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-](https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017)

[8b17-95cf7e1f994d/sist-en-14187-2-2017](https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017)

Ta slovenski standard je istoveten z: EN 14187-2:2017

ICS:

91.100.50	Veziva. Tesnilni materiali	Binders. Sealing materials
93.080.20	Materiali za gradnjo cest	Road construction materials

SIST EN 14187-2:2017

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 14187-2:2017

<https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 14187-2

March 2017

ICS 93.080.20

Supersedes EN 14187-2:2003

English Version

**Cold applied joint sealants - Test methods - Part 2:
Determination of tack free time**

Mastics pour joints appliqués à froid - Méthode d'essai
- Partie 2 : Détermination du temps durcissement

Kalt verarbeitbare Fugenmassen - Prüfverfahren - Teil
2: Bestimmung der klebfreien Zeit

This European Standard was approved by CEN on 6 February 2017.

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

<https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017>



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Principle	4
5	Apparatus	4
6	Conditioning	4
7	Procedure	4
8	Test report	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 14187-2:2017

<https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017>

European foreword

This document (EN 14187-2:2017) has been prepared by Technical Committee CEN/TC 227 "Road materials", 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 September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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 14187-2:2003.

Apart from editorial changes no major changes have been made in this revision.

This European Standard is one of a series of standards as listed below:

EN 14187-1, *Cold applied joint sealants — Test methods — Part 1: Determination of rate of cure.*

EN 14187-2, *Cold applied joint sealants — Test methods — Part 2: Determination of tack free time.*

EN 14187-3, *Cold applied joint sealants — Test methods — Part 3: Determination of self-levelling properties.*

EN 14187-4, *Cold applied joint sealants — Test methods — Part 4: Determination of the change in mass and volume after immersion in test fuels and liquid chemicals.*

EN 14187-5, *Cold applied joint sealants — Test methods — Part 5: Determination of the resistance to hydrolysis.*

EN 14187-6, *Cold applied joint sealants — Test methods — Part 6: Determination of the adhesion/cohesion properties after immersion in test fuels and liquid chemicals.*

EN 14187-7, *Cold applied joint sealants — Test methods — Part 7: Determination of the resistance to flame.*

EN 14187-8, *Cold applied joint sealants — Test methods — Part 8: Determination of the resistance to artificial weathering by UV-irradiation.*

EN 14187-9, *Cold applied joint sealants — Test methods — Part 9: Function testing of joint sealants.*

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.

EN 14187-2:2017 (E)**1 Scope**

This European Standard describes a test method for determining the tack free time of the cold applied joint sealant for use in joints in roads, air fields and other trafficked areas.

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 ISO 6927, *Buildings and civil engineering works - Sealants - Vocabulary (ISO 6927)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 6927 apply.

4 Principle

The tack free time of a cold applied joint sealant is determined as the time when no sealant is adhering on a peeled off polyethylene film.

5 Apparatus

5.1 Flat bladed mixing spatula.

5.2 Metal or polyethylene frame, measuring internally (125 ± 5) mm long, (38 ± 2) mm wide and $(6,0 \pm 0,5)$ mm deep.

5.3 Metal base plate, measuring (150 ± 5) mm long, (75 ± 5) mm wide and $(2,0 \pm 0,5)$ mm thick.

5.4 Polyethylene film, measuring (150 ± 5) mm long, (20 ± 2) mm wide and (100 ± 10) μm thick.

5.5 A metal plate, measuring (40 ± 1) mm long, (30 ± 1) mm wide and weighing $(30,0 \pm 0,5)$ g.

5.6 Stop watch with a scale-reading precision of at least 1 s.

6 Conditioning

Store supplies of the sealant samples in the closed containers for 16 h to 24 h at (23 ± 2) °C.

7 Procedure

7.1 For multi-component cold applied joint sealants, thoroughly mix appropriate quantities of base component with curing agent following the manufacturer's instruction. One-component sealants can be applied directly from the pack.

7.2 Pour or fill in the cold applied joint sealant into the metal or polyethylene frame (5.2) mounted on its metal base plate (5.3) and strike off level with the flat bladed mixing spatula.

7.3 Transfer the test specimen into standard conditions at (23 ± 2) °C and (50 ± 5) % r. h. and leave it for the tested period of time.

7.4 At the end of the tested period of time place the polyethylene film (5.4) on the upper surface of the specimen and immediately cover it with the metal plate (5.5).

7.5 Remove the metal plate after (30 ± 3) s, then peel off the polyethylene film uniformly and constantly at a right angle to the surface of the sealant.

7.6 Examine the polyethylene film for signs of adhesion of the cold applied joint sealant as long as material is picked up. When no material is adhering to the polyethylene film record the tack free time of the cold applied joint sealant.

8 Test report

The test report shall include the following information:

- a) reference to this European Standard;
- b) name and type of the cold applied joint sealant;
- c) batch of sealant from which the test specimens were produced;
- d) tack free time of the cold applied joint sealant;
- e) any deviations from the specified test conditions;
- f) date of test.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 14187-2:2017

<https://standards.iteh.ai/catalog/standards/sist/02463436-db58-4827-8b17-95cf7e1f994d/sist-en-14187-2-2017>