

Cold applied joint sealants - Test methods - Part 9: Function testing of joint sealants

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14187-9:2006 sisaldab Euroopa standardi EN 14187-9:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.03.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14187-9:2006 consists of the English text of the European standard EN 14187-9:2006.</p> <p>This document is endorsed on 30.03.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard specifies a function test for cold applied joint sealants intended for use in joints in roads and airfield pavements in cold climate areas where the total joint movement can be greater than 35 % and the temperature can go below $-25\text{ }^{\circ}\text{C}$.</p>	<p>Scope: This European Standard specifies a function test for cold applied joint sealants intended for use in joints in roads and airfield pavements in cold climate areas where the total joint movement can be greater than 35 % and the temperature can go below $-25\text{ }^{\circ}\text{C}$.</p>
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English Version

Cold applied joint sealants - Test methods - Part 9: Function testing of joint sealants

Mastics pour joints appliqués à froid - Méthodes d'essai -
Partie 9 : Fonctionnalité des mastics pour joints

Kalt verarbeitbare Fugenmassen - Prüfverfahren - Teil 9:
Funktionsprüfung von Fugenmassen

This European Standard was approved by CEN on 30 December 2005.

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.

CEN members are the national standards bodies of Austria, Belgium, 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.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This European Standard (EN 14187-9:2006) 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 August 2006, and conflicting national standards shall be withdrawn at the latest by December 2006.

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

EN 14187-1, *Cold applied joint sealants - Part 1: Test method for the determination of rate of cure*

EN 14187-2, *Cold applied joint sealants - Part 2: Test method for the determination of tack free time*

EN 14187-3, *Cold applied joint sealants - Part 3: Test method for the determination of self-levelling properties*

EN 14187-4, *Cold applied joint sealants - Part 4: Test method for the determination of the change in mass and volume after immersion in test fuel*

EN 14187-5, *Cold applied joint sealants - Part 5: Test method for the determination of the resistance to hydrolysis*

EN 14187-6, *Cold applied joint sealants - Part 6: Test method for the determination of the adhesion/cohesion properties after immersion in chemical liquids*

EN 14187-7, *Cold applied joint sealants - Part 7: Test method for the determination of the resistance to flame*

EN 14187-8, *Cold applied joint sealants - Part 8: Test method for the determination of the artificial weathering by UV-irradiation*

EN 14187-9, *Cold applied joint sealants — Part 9: Test method for the function testing of joint sealants*

No existing European Standard is superseded.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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.

1 Scope

This European Standard specifies a function test for cold applied joint sealants intended for use in joints in roads and airfield pavements in cold climate areas where the total joint movement can be greater than 35 % and the temperature can go below -25°C .

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 13880-12, *Hot applied joint sealants - Part 12: Test method for the manufacture of concrete test blocks for bond testing (recipe methods)*

EN 14187-2, *Cold applied joint sealants - Part 2: Test method for the determination of tack free time*

EN 26927:1990, *Building construction - Jointing products - Sealants - Vocabulary (ISO 6927:1981)*

EN ISO 7390, *Building construction - Jointing products - Determination of resistance to flow of sealants (ISO 7390:2003)*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 26927:1990 apply.

4 Principle

This method describes an accelerated test for the assessment of damage of the cold applied sealants arising from the influence of fluctuating temperatures, water-spraying and simultaneous dynamic load.

5 Apparatus and materials

5.1 Concrete test blocks

Concrete supports in accordance with EN 13880-12, for the preparation of the test specimens, of dimensions as shown in Figure 1. Two supports are required for each test specimen.

5.2 Tensile/compression test rig

Apparatus, which allows specimens to be inserted into holding clamps, conveniently and without disturbing the specimens before, during or after removal shall be used. The apparatus shall be capable of testing a number of test specimens simultaneously and shall not be significantly affected by the failure of one or more specimens.

The apparatus shall have the following characteristics:

- Be motor driven through positive drives without slip or significant backlash, so that cycles of extension and compression are carried out steadily and automatically;