

Cold applied joint sealants - Test methods - Part 3:
Determination of self-levelling properties

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 14187-3:2017 sisaldab Euroopa standardi EN 14187-3:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 14187-3:2017 consists of the English text of the European standard EN 14187-3:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 93.080.20

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English Version

Cold applied joint sealants - Test methods - Part 3: Determination of self-levelling properties

Mastics pour joints appliqués à froid - Méthodes d'essai
- Partie 3 : Détermination des propriétés
d'autonivellement

Kalt verarbeitbare Fugenmassen - Prüfverfahren - Teil
3: Bestimmung der selbstverlaufenden Eigenschaften

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

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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.

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European foreword

This document (EN 14187-3:2017) 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of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.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 14187-3:2003.

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.*

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1 Scope

This European Standard describes a test method for determination of the self-levelling properties of cold applied normal and fuel resistant joint sealants for concrete pavements to be used in roads, airfields 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 self-levelling properties of cold applied joint sealants are determined by pouring into moulds in horizontal and inclined positions.

5 Apparatus and materials

5.1 Mixing baker from polyethylene with a content of 250 ml.

5.2 Flat bladed spatula.

5.3 Mould (Figure 1) consisting of a channel with both ends closed and internal dimensions of (20 ± 1) mm wide, (25 ± 1) mm deep and (300 ± 1) mm long. The channel shall be made of 1 mm to 2 mm thick aluminium, steel or plastic.

5.4 Wedge shaped pieces for positioning the mould in a horizontal position using a spirit level and at a $(2,5 \pm 0,1)$ % slope with the level plane.

5.5 Micrometer, capable of measurement to 100 μm , fitted with a ratchet.

Other means of measuring this difference in depth are acceptable providing they are of equal accuracy.