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

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 14187-3:2003 sisaldab Euroopa standardi EN 14187-3:2003 ingliskeelset teksti. Käesolev dokument on jõustatud 14.08.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 14187-3:2003 consists of the English text of the European standard EN 14187-3:2003. This document is endorsed on 14.08.2003 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies a test method for determination of the self-levelling properties for cold applied joint sealants for use in joints in roads, air fields and other exposed concrete pavements	**Scope:** This European Standard specifies a test method for determination of the self-levelling properties for cold applied joint sealants for use in joints in roads, air fields and other exposed concrete pavements

ICS 93.080.20

Võtmesõnad: cold application, conditioning, construction, construction materials, joint filling, joint sealants, joint sealings, levelling, road construction, testing, testing conditions, testing devices, transient phenomena

EUROPEAN STANDARD

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English version

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

Mastics pour joints appliqués à froid - Partie 3: Méthodes d'essai pour la détermination des propriétés d'auto nivellement

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

This European Standard was approved by CEN on 25 March 2003.

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Foreword

This document (EN 14187-3:2003) 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of an identical text or by endorsement, at the latest by December 2003, and conflicting national standards shall be withdrawn at the latest by March 2005.

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 the 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*.

prEN 14187-9, *Cold applied joint sealants — Part 9: Function test.*[1)]

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies a test method for determination of the self-levelling properties for cold applied joint sealants for use in joints in roads, air fields and other exposed concrete pavements.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

1) In preparation.

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

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 26927:1990 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 (see 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 ± 0,1) % slope with the level plane.

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

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

All dimensions in millimetres

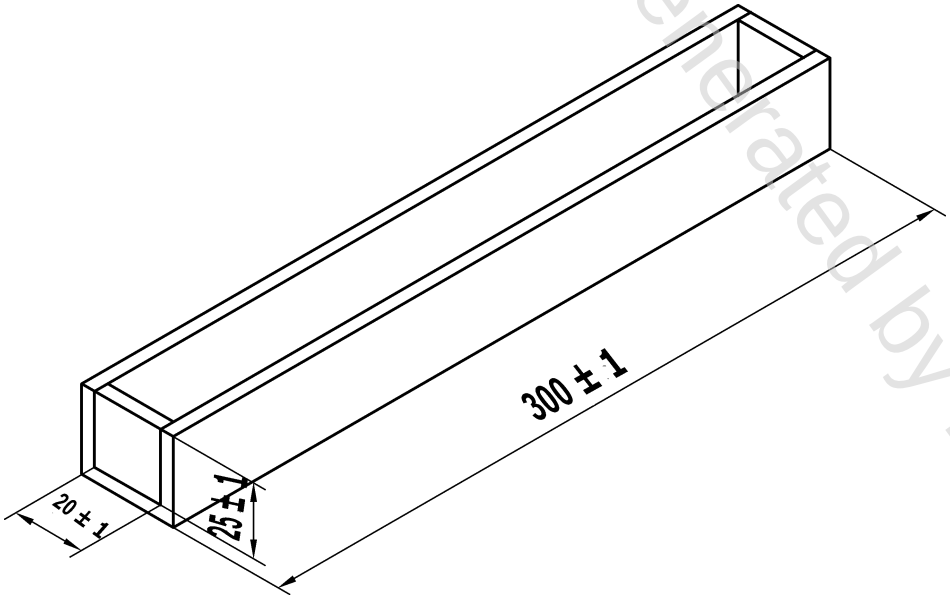

Figure 1 — Mould for the test of the self-levelling properties