

Hot applied joint sealants - Part 5: Test method for the determination of flow resistance

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13880-5:2004 sisaldab Euroopa standardi EN 13880-5:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 26.10.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13880-5:2004 consists of the English text of the European standard EN 13880-5:2004.</p> <p>This document is endorsed on 26.10.2004 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 describes a method for determining the flow resistance of hot applied joint sealants</p>	<p>Scope: This European Standard describes a method for determining the flow resistance of hot applied joint sealants</p>
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ICS 93.080.20

Võtmesõnad:

English version

Hot applied joint sealants - Part 5: Test method for the determination of flow resistance

Produits de scellement de joints appliqués à chaud - Partie 5: Méthode d'essai pour la détermination de la résistance au fluage

Heiß verarbeitbare Fugenmassen - Teil 5: Prüfverfahren zur Bestimmung der Fließlänge

This European Standard was approved by CEN on 2 May 2003.

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Foreword

This document (EN 13880-5:2004) 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of an identical text or by endorsement, at the latest by February 2005, and conflicting national standards shall be withdrawn at the latest by February 2005.

This document is one of a series of standards as listed below:

EN 13880-1	<i>Hot applied joint sealants — Part 1: Test method for the determination of density at 25 C</i>
EN 13880-2	<i>Hot applied joint sealants — Part 2: Test method for the determination of cone penetration at 25 C</i>
EN 13880-3	<i>Hot applied joint sealants — Part 3: Test method for the determination of penetration and recovery (resilience)</i>
EN 13880-4	<i>Hot applied joint sealants — Part 4: Test method for the determination of heat resistance — Change in penetration value</i>
EN 13880-5	<i>Hot applied joint sealants — Part 5: Test method for the determination of flow resistance</i>
EN 13880-6	<i>Hot applied joint sealants — Part 6: Test method for the preparation of samples for testing</i>
EN 13880-7	<i>Hot applied joint sealants — Part 7: Function testing of joint sealants</i>
EN 13880-8	<i>Hot applied joint sealants — Part 8: Test method for the determination of the change in weight of fuel resistance joint sealants after fuel immersion</i>
EN 13880-9	<i>Hot applied joint sealants — Part 9: Test method for the determination of compatibility with asphalt pavements</i>
EN 13880-10	<i>Hot applied joint sealants — Part 10: Test method for the determination of adhesion and cohesion following continuous extension and compression</i>
EN 13880-11	<i>Hot applied joint sealants — Part 11: Test method for the preparation of asphalt test blocks used in the function test and for the determination of compatibility with asphalt pavements</i>
EN 13880-12	<i>Hot applied joint sealants — Part 12: Test method for the manufacture of concrete test blocks for testing (recipe methods)</i>
EN 13880-13	<i>Hot applied joint sealants — Part 13: Test method for the determination of the discontinuous extension (adherence test)</i>

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

1 Scope

This document describes a method for determining the flow resistance of hot applied joint sealants.

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 13880-6, *Hot applied joint sealants — Part 6: Test method for the preparation of samples for testing*.

prEN 14188-1, *Joint fillers and sealants — Part 1: Specifications for hot applied sealants*.

ISO 188, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*.

3 Term and definition

For the purposes of this document, the terms and definitions given in prEN 14188-1 and the following apply.

3.1

flow resistance

movement of the lower transverse edge of the test specimen, following a specified conditioning period

4 Principle

A portion of the test specimen is poured to excess into the metal moulding frame, positioned on the metal plate. After cooling in air the test specimen is trimmed with a heated knife and the metal plate carrying the test specimen is mounted onto a metal stand, the whole assembly is then placed into a controlled environment for 5h. The flow resistance is then calculated by measuring the movement along the lower transverse edge.

5 Apparatus

5.1 Laboratory oven conforming to ISO 188, with low air speed, capable of maintaining the test specimen and apparatus at the test temperature of $(60,0 \pm 2,5) ^\circ\text{C}$.

5.2 Metal frame comprising a steel frame conforming to Figure 1 with external dimensions (80 ± 1) mm wide \times (100 ± 1) mm long and internal dimensions (40 ± 1) mm wide \times (60 ± 1) mm long.

5.3 Release agent comprising a mixture of glycerine and dextrine.