

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

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13880-11:2003 sisaldab Euroopa standardi EN 13880-11:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.08.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13880-11:2003 consists of the English text of the European standard EN 13880-11:2003.</p> <p>This document is endorsed on 14.08.2003 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:</p> <p>This European Standard describes a method for preparing asphalt blocks intended for testing of joint sealants according to prEN 13880-7 and prEN 13880-9</p>	<p>Scope:</p> <p>This European Standard describes a method for preparing asphalt blocks intended for testing of joint sealants according to prEN 13880-7 and prEN 13880-9</p>
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Võtmesõnad: asphalts, bitumens, compatibility, construction, construction materials, joint filling, joint sealings, penetration, permissible, road construction, sealants, testing, testing conditions

ICS 93.080.20

English version

**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**

Produits de scellement de joints appliqués à chaud - Partie
11: Méthode d'essai pour la préparation des blocs
asphaltiques destinés au test fonctionnel et pour la
détermination de compatibilité avec les revêtements
bitumineux

Heiß verarbeitbare Fugenmassen - Teil 11: Prüfverfahren
zur Herstellung von Asphalt-Probekörpern zur Verwendung
in der Funktionsprüfung und zur Bestimmung der
Verträglichkeit mit Asphalten

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

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 13880-11:2003) 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:

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

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 describes a method for preparing asphalt blocks intended for testing of joint sealants according to prEN 13880-7 and EN 13880-9.

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).

EN 12591, *Bitumen and bituminous binders — Specification for paving grade bitumens*.

EN 12697-32, *Bituminous mixtures — Test methods for hot mix asphalt — Part 32: Laboratory compaction of bituminous mixtures by a vibratory compactor*.

prEN 12697-35, *Bituminous mixtures — Test methods for hot mix asphalt — Part 35: Laboratory mixing*.

EN 13043, *Aggregates for bituminous mixtures and surface treatments for roads, airfield and other trafficked areas*.

prEN 13880-7, *Hot applied joint sealants — Part 7: Function testing of joint sealants*.

EN 13880-9, *Hot applied joint sealants — Part 9: Test method for the determination of compatibility with asphalt pavements*.

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

3 Principle

Hot mix asphalt, laboratory mixed or direct from an asphalt plant, is filled into paper boxes or metal containers, approximately 10 kg each, heated at specified temperature and then transferred to a moulding box and compacted by means of a vibrating machine to a homogenous asphalt block in the moulding box. After cooling to room temperature the asphalt block shall be taken out and sawed to the sizes required for the specimens.

4 Apparatus

4.1 Heating chamber, capable of heating approximately 20 kg asphalt to 180 °C.

4.2 Moulding box, made of sturdy wood or other resistant materials. The mould shall have a depth of 100 mm.

NOTE The other dimensions of the box depend on the number of specimens needed for testing.

4.3 Equipment to compact the asphalt in accordance with to EN 12697-32.