

Geregistreeerde Belgische norm

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Normklasse : B 63

Warm aangebrachte voegafdichtingsmaterialen - Beproevingmethoden - Deel 9: Bepaling van de compatibiliteit met asfaltverhardingen

Produits de scellement de joints appliqués à chaud - Partie 9: Méthode d'essai pour la détermination de la compatibilité avec les revêtements bitumineux

Hot applied joint sealants - Part 9: Test method for the determination of compatibility with asphalt pavements

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Deze Europese norm EN 13880-9 : 2003 heeft de status van een Belgische norm.

Deze Europese norm bestaat in drie officiële versies (Duits, Engels, Frans).

Deze norm is een deel van een pakket van Europese normen waarvan de nationale implementatie later zal plaatsvinden.



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Indice de classement : B 63

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La présente norme européenne EN 13880-9 : 2003 a le statut d'une norme belge.

La présente norme européenne existe en trois versions officielles (allemand, anglais, français).

La présente norme fait partie d'un paquet de normes européennes dont la mise en application nationale se fera ultérieurement.



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English version

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Heiß verarbeitbare Fugenmassen - Teil 9: Prüfverfahren 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.



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Foreword

This document (EN 13880-9:2003) 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)

Annex A is informative.

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

2 This European Standard describes a method for determining the compatibility of hot applied joint sealants applied to a saw asphalt joint slot. 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).

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

EN 13880-11:2003, *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 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 Principle

Asphalt compatibility is determined by examining the applied sealant for adhesion and cohesion failure or the formation of any oil exudate or softening between the sealant and asphalt specimen following the period of conditioning specified.

4 Apparatus

4.1 **Power driven masonry saw** (other saws than a power driven masonry saw are suitable).

4.2 **Stiff-bristle brush.**

4.3 **Cloth backed adhesive tape;**

4.4 **Fan circulated oven** according to ISO 188, capable of maintaining a temperature of (60 ± 3) °C for 72 h.

4.5 **Knife.**

5 Preparation and conditioning of the test specimens

5.1 Use two asphalt test blocks in accordance with EN 13880-11:2003, 8.2.

5.2 Cut a groove 100 mm long, $(13,0 \pm 3,2)$ mm wide and $(19,0 \pm 3,2)$ mm deep in the top surface of each asphalt test block by wet sawing with a power driven masonry saw (see 4.1).

5.3 Scrub the grooves thus formed with a stiff-bristle brush (see 4.2) while holding the specimens under running water to remove all residual from sawing.

5.4 Allow the specimens to dry and return to room temperature after which securely wrap them with cloth backed adhesive tape, or otherwise reinforce to prevent slumping or collapse during the test period.