

Hot applied joint sealants - Part 12: Test method for the manufacture of concrete test blocks for bond testing (recipe methods)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13880-12:2003 sisaldab Euroopa standardi EN 13880-12:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.12.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13880-12:2003 consists of the English text of the European standard EN 13880-12:2003.</p> <p>This document is endorsed on 23.12.2003 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: This European Standard describes a method for the manufacture of concrete test blocks for joint sealant bond testing</p>	<p>Scope: This European Standard describes a method for the manufacture of concrete test blocks for joint sealant bond testing</p>
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ICS 93.080.20

Võtmesõnad: adhesive force, concretes, strain behaviour, test specimens

ICS 93.080.20

English version

**Hot applied joint sealants - Part 12: Test method for the
manufacture of concrete test blocks for bond testing (recipe
methods)**

Produits de scellement de joints appliqués à chaud - Partie
12: Méthode d'essai pour la fabrication de blocs en béton
pour l'essai d'adhérence (recette)

Heiß verarbeitbare Fugenmassen - Teil 12: Prüfverfahren
zur Herstellung von Beton-Grundkörpern für die
Bestimmung des Dehn- und Haftvermögens

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

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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 Management Centre has the same status as the official versions.

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Foreword

This document EN 13880-12:2003 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 February 2004, and conflicting national standards shall be withdrawn at the latest by March 2005.

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.

This European Standard is one of a series of standards as listed below:

EN 13880-1, *Hot applied joint sealants — Part 1: Test method for the determination of density at 25 °C.*

EN 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.*

EN 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.*

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

EN 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.*

EN 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.*

EN 13880-12, *Hot applied joint sealants — Part 12: Test method for the manufacture of concrete test blocks for bond testing (recipe methods).*

EN 13880-13, *Hot applied joint sealants — Part 13: Test method for the determination of the discontinuous extension (adherence test).*

1 Scope

This European Standard describes a method for the manufacture of concrete test blocks for joint sealant bond testing.

The requirements of this European Standard are applicable to concrete test blocks with a maximum aggregate size of 16 mm to 20 mm or with a maximum aggregate size of 4,0 mm.

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 197-1, *Cement — Part 1: Composition, specifications and conformity criteria of common cements*.

EN 933-2:1995, *Tests for geometrical properties of aggregates — Part 2: Determination of particle size distribution; test sieves, nominal size of apertures*.

EN 934-2, *Admixtures for concrete, mortar and grout — Part 2: Concrete admixtures — Definitions, requirements, conformity, marking and labelling*.

EN 1008, *Mixing water for concrete — Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete*.

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

EN 13880-10, *Hot applied joint sealants — Part 10: Test method for the determination of adhesion and cohesion following continuous extension and compression*.

EN 13880-13, *Hot applied joint sealants — Part 13: Test method for the determination of the discontinuous extension (adherence test)*.

EN 14187-1, *Cold applied joint sealants — Part 1: Test methods for the determination of the rate of cure*.

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*.

ISO 4012, *Concrete — Determination of compressive strength of test specimens*.

3 Principle

Reference concrete test blocks to be of uniform consistency to enable the adhesive and cohesive properties of the joint sealant test specimens to be measured.

4 Apparatus

4.1 Concrete or mortar mixer.

4.2 Metal moulds, stout enough to resist distortion and of a suitable size to produce concrete test blocks with dimensions in accordance with the test method standards.

4.3 Vibrating table or vibration rod suitable for the compaction of the concrete in the moulds according to EN 934-2.

4.4 Diamond tipped concrete saw.