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Hot applied joint sealants - Part 13: Test method for the determination of the discontinuous extension (adherence test)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13880-13:2018 sisaldab Euroopa standardi EN 13880-13:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 13880-13:2018 consists of the English text of the European standard EN 13880-13:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 06.06.2018.	Date of Availability of the European standard is 06.06.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Hot applied joint sealants - Part 13: Test method for the determination of the discontinuous extension (adherence test)

Produits de scellement de joints appliqués à chaud -
Partie 13: Méthode d'essai pour la détermination de la
traction discontinue (essai d'adhérence)

Heiß verarbeitbare Fugenmassen - Teil 13:
Prüfverfahren zur Bestimmung der diskontinuierlichen
Dehnung (Prüfung der Haftfestigkeit)

This European Standard was approved by CEN on 16 March 2018.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 13880-13:2018) 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 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13880-13:2003.

A list of all parts in the EN 13880 series, published under the general title "Hot applied joint sealants", can be found on the CEN website.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document describes a method for determining the extensibility and the adhesion to concrete of hot applied sealant-systems with or without priming simulating the moving of concrete pavement slabs during cooling conditions in wintertime.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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: Method for the preparation of samples for testing*

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

EN 14188-1:2004, *Joint fillers and sealants — Part 1: Specifications for hot applied sealants*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 adhesion failures

surface area of the concrete test blocks from which the sealant is completely separated is to be evaluated for adhesive failure, calculated to the nearest 10 mm^2

3.2 cohesion failures

sum of the superficial areas of any ruptures on the faces of the material to the nearest 5 mm^2 and any cavity exceeding 3 mm in depth, measured normal to the face of the test specimen

4 Principle

The purpose of this test is to establish whether sealants will remain cohesive and bond to concrete when subjected to discontinuous accelerated extension steps in accordance with EN 14188-1.