



**NSAI**  
Standards

Irish Standard  
I.S. EN 13880-6:2019

# Hot applied joint sealants - Part 6: Method for the preparation of samples for testing

**I.S. EN 13880-6:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 13880-6:2019 is the adopted Irish version of the European Document EN 13880-6:2019, Hot applied joint sealants - Part 6: Method for the preparation of samples for testing

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD

**EN 13880-6**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2019

ICS 93.080.20

Supersedes EN 13880-6:2004

English Version

## Hot applied joint sealants - Part 6: Method for the preparation of samples for testing

Produits de scellement de joints appliqués à chaud -  
Partie 6 : Méthode d'essai pour la préparation des  
échantillons destinés à l'essai

Heiß verarbeitbare Fugenmassen - Teil 6:  
Prüfverfahren zur Vorbereitung von Proben für die  
Prüfung

This European Standard was approved by CEN on 25 February 2019.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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## European foreword

This document (EN 13880-6:2019) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by BSI.

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 October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

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

This document supersedes EN 13880-6:2004

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

## **EN 13880-6:2019 (E)**

The major change in this edition is in the apparatus. In Clause 5, the method has been opened to make it possible to use any heating equipment providing a uniform heating of the sealant sample.

In Clause 6, the heating temperature and heating time has been more specified. The heating time has been changed from 6 h to 4 h.

The terms and definitions in Clause 3 have been adapted to EN 58.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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 preparation of a representative test sample, heating of the test sample and pouring of test specimens for testing hot applied joint sealants for use in joints in concrete pavements for roads, airfields and other trafficked areas.

## 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 14188-1, *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

#### **sample**

one or more original container of the hot applied joint sealant, with a total mass of at least 10 kg

### 3.2

#### **spot sample**

sample, taken in a single operation at a single place and time

[SOURCE: EN 58:2012, 2.9]

### 3.3

#### **composite sample**

sample made up by the mixing of several spot samples

[SOURCE: EN 58:2012, 2.1]

### 3.4

#### **vertical straight-through sample**

sample taken by drawing a sampling device through the total depth of the material under examination and thereby including all layers of the material

### 3.5

#### **test specimen**

piece with certain dimensions according to the test standards, such as sealant moulded between concrete blocks

### 3.6

#### **safe heating temperature**

maximum temperature as recommended by the manufacturer to which the sealant can be heated for a period of 4 h

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