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Bitumen and bituminous binders - Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/20

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EUROPEAN STANDARD
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Supersedes EN 13358:2010

English Version

**Bitumen and bituminous binders - Determination of the
distillation characteristics of cut-back and fluxed
bituminous binders made with mineral fluxes**

Bitumes et liants bitumineux - Détermination des
caractéristiques de distillation des bitumes fluidifiés et
fluxés par des fluxants d'origine minérale

Bitumen und bitumenhaltige Bindemittel -
Bestimmung der Destillationseigenschaften von mit
Mineralölfluxmitteln verschnittenen und gefluxten
bitumenhaltigen Bindemitteln

This European Standard was approved by CEN on 19 May 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.

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

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EN 13358:2019 (E)

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European foreword

This document (EN 13358:2019) has been prepared by Technical Committee CEN/TC 336 “Bitumen and bituminous binders”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

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 13358:2010.

The main technical changes in comparison to the previous edition are:

- Clause 5: an electric heating plate or heating mantle may be used as alternatives to the gas burner;
- Clause 5: mercury stem thermometers are replaced by temperature measuring devices allowing similar temperature determinations to be made. Annex A (characteristics of mercury stem thermometer) becomes informative;
- Subclause 6.4.2: requirements on distillation rate (drops per minute) may be replaced by a minimum rate of temperature increase in cases where the distillation process has a very low yield;
- Subclause 6.4.3: volumes of distillate are to be recorded at least at the reference corrected temperatures mentioned in EN 15322;
- Clauses 6.4.3 and 10: the possibility to record volumes of distillate to a precision of 0,1 ml is abandoned.

This document is based on ASTM D 402-97.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 13358:2019 (E)**1 Scope**

This document specifies a method for the determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes.

WARNING — The use of this document may involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

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 58, *Bitumen and bituminous binders — Sampling bituminous binders*

EN 12594, *Bitumen and bituminous binders — Preparation of test samples*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN