

Bitumens and bituminous binders - Determination of adhesivity of cut-back and fluxed bituminous binders by water immersion test - Aggregate method

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 15626:2025 sisaldab Euroopa standardi EN 15626:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 04.06.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 15626:2025 consists of the English text of the European standard EN 15626:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 04.06.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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EUROPEAN STANDARD

EN 15626

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 15626:2016

English Version

Bitumens and bituminous binders - Determination of adhesivity of cut-back and fluxed bituminous binders by water immersion test - Aggregate method

Bitumes et liants bitumineux - Détermination de l'adhésivité des liants bitumineux fluidifiés et fluxés par l'essai d'immersion dans l'eau - Méthode utilisant des granulats

Bitumen und bitumenhaltige Bindemittel - Bestimmung des Haftverhaltens von verschnittenen und gefluxten bitumenhaltigen Bindemitteln bei Wasserlagerung - Verfahren mit Gesteinskörnung

This European Standard was approved by CEN on 21 April 2025.

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 foreword

This document (EN 15626:2025) has been prepared by Technical Committee CEN/TC 336 “Bitumens 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 December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.

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 15626:2016.

EN 15626:2025 includes the following significant changes with respect to EN 15626:2016:

- a) normative references were updated throughout the text (reference to EN 13702 was deleted in 8.1.3, 8.2.1 and 8.3.1);
- b) removal of the use of a heating plate or heating device when mixing aggregates with binder in 8.2.2 and 8.3.2;
- c) the binder is now poured onto the aggregates and the duration between removal of aggregates and binder from the oven and the beginning of the mixing should not exceed 90 s (see 8.2.2 and 8.3.2);
- d) curing and conditioning of the coated aggregate is conducted within a heat resistant glass dish and in the form of a monolayer of materials instead of being placed into a beaker (see 8.2.2, 8.3.3 and 8.3.4);
- e) assessment is conducted under water (which can be replaced if dirty) and with the help of an appropriate lamp (see 8.3.5);
- f) tolerance on the conditioning time (see 8.2.3, 8.3.3 and 8.3.4) is reduced from ± 4 h to ± 2 h;
- g) the document has been editorially revised.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, Türkiye and the United Kingdom.

1 Scope

This document specifies a method for the determination of the adhesivity of cut-back or fluxed bituminous binders coated onto aggregate when immersed in water.

The method can be used with a reference aggregate. In that case, it measures the intrinsic adhesion behaviour of a cut-back and fluxed bituminous binder. The method can also be used with a specific aggregate as used on a job site.

WARNING — The use of this document can 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. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

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 933-1, *Tests for geometrical properties of aggregates — Part 1: Determination of particle size distribution — Sieving method*

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

EN 12597, *Bitumens and bituminous binders — Terminology*

EN 12846-2, *Bitumen and bituminous binders — Determination of efflux time by the efflux viscometer — Part 2: Cut-back and fluxed bituminous binders*

EN 13043:2002, *Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas*

EN 13302, *Bitumen and bituminous binders — Determination of dynamic viscosity of bituminous binder using a rotating spindle apparatus*

EN 15322, *Bitumen and bituminous binders — Framework for specifying cut-back and fluxed bituminous binders*

EN ISO 3696:1995, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12597 and the following apply. ISO and IEC maintain terminology databases for use in standardization at the following addresses:

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