SLOVENSKI STANDARD
oSIST prEN 12697-18:2025

01-marec-2025

Bitumenske zmesi - Preskusne metode - 18. del: Odtekanje veziva

Bituminous mixtures - Test methods - Part 18: Binder drainage

Asphalt - Prüfverfahren - Teil 18: Bestimmung des Ablaufens

Mélanges bitumineux - Méthodes d'essai - Partie 18 : Egouttage du liant

Ta slovenski standard je istoveten z: **prEN 12697-18**

ICS:

91.100.50	Veziva. Tesnilni materiali	Binders. Sealing materials
93.080.20	Materiali za gradnjo cest	Road construction materials

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EUROPEAN STANDARD

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DRAFT
prEN 12697-18

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ICS 93.080.20

Will supersede EN 12697-18:2017

English Version

Bituminous mixtures - Test methods - Part 18: Binder drainage

Mélanges bitumineux - Méthodes d'essai - Partie 18 : Egouttage du liant

Asphalt - Prüfverfahren - Teil 18: Bestimmung des Ablaufens

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 227.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 12697-18:2025) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 12697-18:2017.

prEN 12697-18:2024 includes the following significant technical changes with respect to EN 12697-18:2017:

— [4.3.3] the wording “accuracy able to weigh to 0,1 g” amended to read “able to weigh to the nearest 0,1 g with a maximum permissible error of 0,2 g”;

— [4.3.4] the wording “able to measure the temperature to 1 °C” amended to read “able to measure the temperature to the nearest 1 °C with a maximum permissible error of 2 °C;

— [4.5.1] NOTE 2 deleted. NOTE 1 amended to NOTE;

— [4.6] list of items in the test report has been revised in accordance with CEN/CENELEC Internal Regulations, Part 3:2022;

— [5.3.3] the wording “accuracy able to weigh to 0,1 g” amended to read “able to weigh to the nearest 0,1 g with a maximum permissible error of 0,2 g”;

— [5.3.5] the wording “able to measure the temperature to 1 °C” amended to read “able to measure the temperature to the nearest 1 °C with a maximum permissible error of 2 °C;

— [5.5.1] NOTE deleted;

— [5.6] list of items in the test report has been revised in accordance with CEN/CENELEC Internal Regulations, Part 3:2022.

A list of all parts in the EN 12697 series can be found on the CEN website: www.cencenelec.eu.

1 Scope

This document describes two test methods:

— **basket method** (see Clause 4);

— **beaker method** (see Clause 5).

The basket method describes a method for determining binder drainage of bituminous mixtures. This method directly measures binder drainage, but when carried out on bituminous mixtures with fibres or mixtures whose mortar content is higher than in porous asphalt some clogging of the holes in the drainage baskets can occur, limiting the drainage of the binder. The basket method can be used either for determining the binder drainage for different binder content, or with a single binder content, eliminating the successive repetitions. It also enables the effects of varying fine aggregate types or including any anti-draining additive to be quantified.

The beaker method describes a method for determining binder drainage of bituminous mixtures. It is applicable to asphalt materials that are not porous asphalt or for porous asphalt incorporating fibres. It can be used either for determining the binder drainage for different binder content, or with a single binder content, eliminating the successive repetitions. It also enables the effects of varying fine aggregate types or including any anti-draining additive to be quantified.

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 12697-27, *Bituminous mixtures — Test methods — Part 27: Sampling*

EN 12697-35, *Bituminous mixtures — Test methods — Part 35: Laboratory mixing*

EN 14023, *Bitumen and bituminous binders — Specification framework for polymer modified bitumens*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

ISO 3310-2, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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/

3.1
binder drainage
binder, fine particles and additives, if any, separated from the mixture after the mixing process or during transport of the mixture to the site