



# SLOVENSKI STANDARD

## oSIST prEN 12697-17:2025

01-maj-2025

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**Bitumenske zmesi - Preskusne metode - 17. del: Obraba delcev poroznih asfaltnih preskušancev**

Bituminous mixtures - Test methods - Part 17: Particle loss of porous asphalt specimens

Asphalt - Prüfverfahren - Teil 17: Kornverlust von Probekörpern aus offenporigem Asphalt

Mélanges bitumineux - Méthodes d'essai - Partie 17 : Perte de matériau des éprouvettes d'enrobé drainant

**Ta slovenski standard je istoveten z: prEN 12697-17**

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**ICS:**

93.080.20      Materiali za gradnjo cest      Road construction materials

**oSIST prEN 12697-17:2025**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 12697-17**

March 2025

ICS 93.080.20

Will supersede EN 12697-17:2017

English Version

**Bituminous mixtures - Test methods - Part 17: Particle loss  
of porous asphalt specimens**

Mélanges bitumineux - Méthodes d'essai - Partie 17 :  
Perte de matériau des éprouvettes d'enrobé drainant

Asphalt - Prüfverfahren - Teil 17: Kornverlust von  
Probekörpern aus offenporigem Asphalt

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.

This draft European Standard was established by CEN 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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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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (prEN 12697-17:2025) 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 12697-17:2017.

prEN 12697-17:2025 includes the following significant technical changes with respect to EN 12697-17:2017:

- [Clause 2] the series title no longer makes the method exclusive to hot mix asphalt. Addition of EN 12697-29 and removal of EN 12697-35;
- [Subclause 4.2] “accuracy of  $\pm 0,5\text{ }^{\circ}\text{C}$ ” amended to read: maximum permissible error of  $0,5\text{ }^{\circ}\text{C}$ ;
- [Subclause 4.5] “accuracy of  $\pm 0,1\text{ }\%$ ” amended to read: readable to  $0,1\text{ g}$  and with a maximum permissible error of  $1\text{ g}$ ;
- [Clause 5] rewording and renumbering of text. Test specimen requirements changed from mass to dimensions. Deletion of Clause describing the use of asphalt with an aggregate size greater than  $16\text{ mm}$ ;
- [Clause 6] mass symbol changed from “ $W$ ” to “ $m$ ”. Deletion of text “ $3,1\text{ rad/s}$  to  $3,5\text{ rad/s}$ ”;
- [Clause 7] mass symbol changed from “ $W$ ” to “ $m$ ”;
- [Clause 8] rewording and renumbering of information for the test report;
- [Annex A]: addition of new informative Annex A on the effect of water on particle loss of porous asphalt specimens.

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# prEN 12697-17:2025 (E)

## 1 Scope

This document specifies a test method for determining the particle loss of porous asphalt mixtures. Particle loss is assessed by the loss of mass of porous asphalt samples after turns in the Los Angeles machine. This test enables the estimation of the abrasion resistance of porous asphalt. The test applies to laboratory compacted cylindrical specimens of porous asphalt mixtures, the upper sieve size of which does not exceed 22,4 mm. It does not reflect the abrasive effect by studded tyres.

## 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 1097-2, *Tests for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation*

EN 12697-5, *Bituminous mixtures - Test methods - Part 5: Determination of the maximum density*

EN 12697-6, *Bituminous mixtures - Test methods - Part 6: Determination of bulk density of bituminous specimens*

EN 12697-8, *Bituminous mixtures - Test methods - Part 8: Determination of void characteristics of bituminous specimens*

EN 12697-29, *Bituminous mixtures - Test methods - Part 29: Determination of the dimensions of a bituminous specimen*

EN 12697-30, *Bituminous mixtures - Test methods - Part 30: Specimen preparation by impact compactor*

EN 12697-31, *Bituminous mixtures - Test methods - Part 31: Specimen preparation by gyratory compactor*

## 3 Terms and definitions

No terms and definitions are listed in this document.

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/>

## 4 Apparatus

**4.1 Los-Angeles-machine**, as specified in EN 1097-2.

**4.2 Thermometer**, capable of covering the test temperature range with a maximum permissible error of 0,5 °C.

**4.3 Chamber, room or enclosure**, large enough to fit the Los-Angeles-machine and capable of maintaining the test temperature  $\pm 2$  °C in the vicinity of the Los-Angeles-machine.

**4.4 Oven**, equipped with a closed ventilation system or a **chamber** fitted with a thermostatic control to maintain the test temperature within  $\pm 1$  °C in the vicinity of the samples.