



SLOVENSKI STANDARD
SIST-TS CEN/TS 12697-51:2025

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Nadomešča:

SIST-TS CEN/TS 12697-51:2017

Bitumenske zmesi - Preskusne metode - 51. del: Preskus strižne trdnosti površine

Bituminous mixtures - Test methods - Part 51: Surface shear strength test

Asphalt - Prüfverfahren - Teil 51: Scherfestigkeitsprüfung für Asphaltdecken

Mélanges bitumineux - Méthodes d'essai - Partie 51 : Essai de résistance de liaison au cisaillement

Ta slovenski standard je istoveten z: CEN/TS 12697-51:2025

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ICS:

93.080.20 Materiali za gradnjo cest Road construction materials

SIST-TS CEN/TS 12697-51:2025 **en,fr,de**

TECHNICAL SPECIFICATION
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CEN/TS 12697-51

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ICS 93.080.20

Supersedes CEN/TS 12697-51:2017

English Version

**Bituminous mixtures - Test methods - Part 51: Surface
shear strength test**

Mélanges bitumineux - Méthodes d'essai - Partie 51 :
Essai de résistance de liaison au cisaillement

Asphalt - Prüfverfahren - Teil 51:
Scherfestigkeitsprüfung für Asphaltdecken

This Technical Specification (CEN/TS) was approved by CEN on 10 February 2025 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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

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CEN/TS 12697-51:2025 (E)

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European foreword

This document (CEN/TS 12697-51:2025) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by BSI.

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 CEN/TS 12697-51:2017.

CEN/TS 12697-51:2025 includes the following significant technical changes with respect to CEN/TS 12697-51:2017:

- [ge] contradictory NOTES deleted or reworded to normal text;
- [Introduction] new Clause with general description of test. Explanatory NOTE added regarding comparison with EN 12697-48;
- [2] clarification of Scope. NOTE deleted and placed as normal text in Introduction;
- [5.3] deletion of temperature range for thermometer;
- [5.3] “accuracy” amended to “maximum permissible error”;
- [5.6] “accuracy” amended to “maximum permissible error”;
- [5.8] “accuracy” amended to “maximum permissible error”;
- [6.1] NOTE explaining rapid setting epoxy resins deleted and reworded to normal text to include also polyester resins for use as adhesives;
- [7.2.2] NOTE deleted;
- [7.2.3] clarified description of drilled hole for temperature measurement;
- [7.2.3] deletion of target temperature for the test. Range of 20 °C to 35°C for test introduced;
- [7.2.3] added reference to Annex A with examples of typical failure modes;
- [7.2.6] paragraph reworded in line with 7.3.13. Introduction of reference to Annex A;
- [7.3.2] paragraph 3 deleted as this test method is not called up in EN 13108-20 Type Testing- Paragraph 4 deleted as reinstating the core holes is out of the Scope;
- [7.3.5] corrected reference to 7.3.3;
- [8.3] deletion of Figure 1 including keys and NOTE. Added reference to new Annex B;
- [9] update of the contents in the test report;
- [Annex A] paragraph amended to include a failure mode for surfacing of a bituminous mixture. NOTE deleted as described in 7.2.6 and 7.3.13;

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- [Annex A] Figure A.1 amended to illustrate a failure mode for surfacing of a bituminous mixture. Photographs illustrating failure mode for Slurry Surfacing deleted as Slurry Surfacing is out of the Scope for this test method.
- [Annex B] introduction of new Annex with examples of correction for temperature;
- [Bibliography] introduced with reference to EN 12697-48.

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

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 announce this Technical Specification: 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.

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