

DIN EN 12697-11



ICS 93.080.20

Supersedes
DIN EN 12697-11:2012-07

**Bituminous mixtures –
Test methods –
Part 11: Determination of the affinity between aggregate and bitumen;
English version EN 12697-11:2020,
English translation of DIN EN 12697-11:2020-05**

Asphalt –
Prüfverfahren –
Teil 11: Bestimmung der Affinität von Gesteinskörnungen und Bitumen;
Englische Fassung EN 12697-11:2020,
Englische Übersetzung von DIN EN 12697-11:2020-05

Mélanges bitumineux –
Méthodes d'essai –
Partie 11: Détermination de l'affinité granulat-bitume;
Version anglaise EN 12697-11:2020,
Traduction anglaise de DIN EN 12697-11:2020-05

Document comprises 30 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 12697-11:2020) has been prepared by Technical Committee CEN/TC 227 “Road materials” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-10-10 AA “Bituminous mixtures (national mirror committee for CEN/TC 227/WG 1), Joint working group with FGSV”.

Amendments

This standard differs from DIN EN 12697-11:2012-07 as follows:

- a) the title of the standards series has been changed so that it is no longer confined to hot mix asphalt;
- b) [general] the standard has been editorially updated according to the current standard template;
- c) [general] notes have been adjusted according to ISO/IEC Directives — Part 2:2016, 24.5;
- d) [3.5] the chemical expression for molar concentration has been updated. The term “Normality”, *N*, has been amended to “molarity”. The description of the definition has been amended and the unit has been changed to mol/l;
- e) [5.1.5] an alternative procedure for the addition of adhesion agent by using a syringe has been introduced. The title of 5.1.5 has been amended. The following subclauses have been renumbered accordingly;
- f) [5.1.13] it has been clarified that the speed requirements refer to bottle rather than to machine rotation;
- g) [5.2.3.4] the procedure for the addition of liquid adhesion agents with time limits including a description for the addition of small amounts (less than 0,4 g) has been rendered more precise. It has been clarified that the weighed amount of the adhesive agent shall be reported in the test report. A description of the evaluation of the heat stability of adhesion agents has been introduced;
- h) [5.2.3.6] Formula (1) has been rendered more precise. Keys have been added;
- i) [5.4.1] editorial: the description has been clarified and simplified;
- j) [5.6] item e) has been completed with “amount”;
- k) [6.4.5] in the NOTE, it has been clarified that additional procedures are to be mentioned in the test report;
- l) [7.1 to 7.6.2.1] chemical expressions for concentration, “*N*”, have been changed to mol/l in relevant places in line with the changed definition in 3.5;
- m) [7.2.12] the last paragraph has been clarified regarding concentration;
- n) [7.6.1.1] Formula (4) has been rendered more precise. Keys have been added.

Previous editions

DIN EN 12697-11: 2004-03, 2005-12, 2012-07

English Version

**Bituminous mixtures - Test methods - Part 11:
Determination of the affinity between aggregate and
bitumen**

Mélanges bitumineux - Méthodes d'essai - Partie 11:
Détermination de l'affinité granulats-bitume

Asphalt - Prüfverfahren - Teil 11: Bestimmung der
Affinität von Gesteinskörnungen und Bitumen

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