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DIN EN 12697-31:2007-06

Bituminous mixtures – Test methods – Part 31: Specimen preparation by gyratory compactor; English version EN 12697-31:2019, English translation of DIN EN 12697-31:2020-04

Asphalt –
Prüfverfahren –
Teil 31: Herstellung von Probekörpern mit dem Gyrator-Verdichter;
Englische Fassung EN 12697-31:2019,
Englische Übersetzung von DIN EN 12697-31:2020-04

Mélanges bitumineux –
Méthodes d'essai –
Partie 31: Confection d'éprouvettes à la presse à compactage giratoire;
Version anglaise EN 12697-31:2019,
Traduction anglaise de DIN EN 12697-31:2020-04

Document comprises 27 pages

Translation by DIN-Sprachendienst.

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

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A comma is used as the decimal marker.

National foreword

This document (EN 12697-31:2019) has been prepared by Technical Committee CEN/TC 227 "Road materials" (Secretariat: DIN, Germany).

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 committee with FGSV".

Amendments

This standard differs from DIN EN 12697-31:2007-06 as follows:

a) the series title no longer makes the method exclusively for hot mix asphalt;

b) the definition of force-angle calibration chain and internal angle has been deleted;

c) [Clause 1] the advice on the use of annexes on alternative calibration has been revised and has been changed from a note to normative text;

d) [3.2] a number of symbols has been added and the symbol for water content has been amended to *"w"* throughout the standard;

e) [5.1] a system to collect excess moisture has been added to the requirements for the test device;

f) [5.6] ventilated oven, balance and thermometer have been added to the list of equipment;

g) [6.1.2] the existing preparation of specimens has been adapted for dry mixtures and a separate method for wet mixtures has been included;

h) the new subclause [6.1.2.1] on the calculation of mass of the dry mixture has been modified;

i) a new subclause [6.1.2.2] on the calculation of mass of the wet mixture has been added;

j) [6.2] the preparation of mixtures has been revised;

k) in [7.1.1] and [7.2.3], the value of force has been replaced by stress;

l) [7.1.3] the note to the setting of the angle of inclination has been deleted and an extra line has been added;

m) [7.2.1] the start of compaction has been revised;

n) [7.2.2] the number of gyrations at which measurements are made has been clarified;

o) [Clause 8] additional precision data have been given;

p) [Clause 9] the water content has been added as optional in the test report;

q) [A.3.1] has been modified, reference materials have been deleted and the calibration stress has been indicated;

r) [A.3.1] the value of force has been replaced by stress;

s) Annex B has been deleted and Annex C is now the new Annex B;

t) [New Annex B] requirements for compliance have been clarified;

u) [Annex A] and [new Annex B] the same internal effective angle for both annexes (0,82 ± 0,02)°;

v) [new Annex B] the precision statement has been updated.

Previous editions

DIN EN 12697-31: 2004-09, 2007-06