DIN EN 12697-12



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Bituminous mixtures – Test methods – Part 12: Determination of the water sensitivity of bituminous specimens; English version EN 12697-12:2018, English translation of DIN EN 12697-12:2018-10

Asphalt – Prüfverfahren – Teil 12: Bestimmung der Wasserempfindlichkeit von Asphalt-Probekörpern; Englische Fassung EN 12697-12:2018, Englische Übersetzung von DIN EN 12697-12:2018-10

Mélanges bitumineux – Méthodes d'essai – Partie 12: Détermination de la sensibilité à l'eau des éprouvettes bitumineuses; Version anglaise EN 12697-12:2018, Traduction anglaise de DIN EN 12697-12:2018-10

Document comprises 24 pages

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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 12697-12:2018) 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".

The DIN document corresponding to the international document referred to in this document is as follows:

ISO 5725-2 DIN ISO 5725-2

Amendments

This standard differs from DIN EN 12697-12:2008-10 as follows:

- a) the title has been amended so that the method is no longer valid exclusively for hot mix asphalt;
- b) the structure of the standard has been amended; each method is now described separately;
- c) the description of method A and method B with the same result has been deleted [1];
- d) the restriction for slenderness less than 0,5 for specimens for method B has been deleted [1] and added as a requirement in subclause 6.2.5;
- e) EN 12697-5 and EN 12697-7 have been added; EN 1246 and EN 13108-1 have been deleted [2];
- f) the possibility of compaction according to EN 12697-30 (by (2×50) blows) [5.2.3 b)] has now been added;
- g) the tolerance for the conditioning at 40 °C has been changed from ± 1 °C to ± 2 °C [5.3.2 b)];
- h) a description of the procedure for the determination of the specimen volume, which is used for the calculation of the degree of swelling [5.3.2 e)], has been added;
- i) the conditioning temperature for soft grade bitumen [5.3.2 f)] has been amended;
- j) a table with recommended test temperatures for method A depending on the binder grade has been added [5.4, Table 1];
- k) descriptions of the compression testing machine and the measuring device as well as corresponding requirements have been added [6.1];
- l) the tolerance for the constant load has been amended. Table 2 with static compaction parameters has been added [6.2.3].

Previous editions

DIN EN 12697-12: 2004-03, 2008-10

National Annex NA (informative)

Bibliography

DIN ISO 5725-2, Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method