May 2020

DIN EN 12697-20

ICS 93.080.20

Supersedes
DIN EN 12697-20:2012-06

Bituminous mixtures – Test methods – Part 20: Indentation using cube or Marshall specimens; English version EN 12697-20:2020, English translation of DIN EN 12697-20:2020-05

Asphalt –
Prüfverfahren –
Teil 20: Eindringversuch an Würfeln oder Marshall-Probekörpern;
Englische Fassung EN 12697-20:2020,
Englische Übersetzung von DIN EN 12697-20:2020-05

Mélanges bitumineux –
Méthodes d'essai –
Partie 20: Essai d'indentation de cubes ou éprouvettes Marshall;
Version anglaise EN 12697-20:2020,
Traduction anglaise de DIN EN 12697-20:2020-05

Document comprises 20 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 12697-20:2020) 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 committee with FGSV".

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

ISO 48-2	DIN ISO 48-2

Amendments

This standard differs from DIN EN 12697-20:2012-06 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) [Clause 2] references to EN 13108-1, EN 13108-2, EN 13108-3, EN 13108-4, EN 13108-5 and EN 13108-7 have been deleted since they are not referred to, ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD)* has been replaced by ISO 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*;

d) [Clause 3] in accordance with ISO/IEC Directives — Part 2, a new clause has been included: 3 Terms and definitions. The following subclauses have been renumbered accordingly;

e) for the following changes the new clause number is given within [ ] and the corresponding clause number in the previous version is given within ( );

f) [4.1.8] (3.1.8) silicone oil has been added as an example of release agent;

g) [4.1.9] (3.1.9) Figure 1: the tolerances of the metal mould have been corrected to (±0,5) according to [4.1.1] (3.1.1);

h) [4.2.1.1] (3.2.1.1) an accuracy of ±0,1 mm has been introduced for the dial gauge;

i) [4.2.5] ISO 48 has been replaced by ISO 48-2;

j) [5.3] (4.3) two notes have been deleted;

k) [6.3.1] (5.3.1) the tolerance for edge and height of the specimen has been unified to (70,7 ± 0,5) mm in accordance with [4.1.1] (3.1.1);

l) [6.3.2.2] (5.3.2.2) the reference to "the temperature indicated by the producer" has been deleted since it is covered by EN 12697-35;

m) [6.3.2.3] (5.3.2.3) the sentence regarding the temperature limit of 240 °C has been deleted. Subclause [6.3.2.3] (5.3.2.2) refers to EN 12697-35. The corresponding note has been deleted;

n) [6.3.3] (5.3.3) the temperature restriction to 240 °C has been deleted. The subclause refers to EN 12697-35;

o) [Clause 7] (Clause 6) instruction for the repetition of a test has been included; EN 12697-35;

p) [Clause 8] (Clause 7) paragraph on permissible difference has been deleted.

Previous editions

DIN EN 12697-20: 2004-03, 2012-06

National Annex NA
(informative)

Bibliography

DIN ISO 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*