



BSI Standards Publication

Bituminous mixtures — Test methods

Part 20: Indentation using cube or Marshall specimens

National foreword

This British Standard is the UK implementation of EN 12697-20:2020. It supersedes BS EN 12697-20:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/510/1, Asphalt products.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2020

ISBN 978 0 539 02215 5

ICS 93.080.20

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2020.

Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Bituminous mixtures - Test methods - Part 20: Indentation using cube or Marshall specimens

Mélanges bitumineux - Méthodes d'essai - Partie 20 :
Essai d'indentation de cubes ou éprouvettes Marshall

Asphalt - Prüfverfahren - Teil 20: Eindringversuch an
Würfeln oder Marshall-Probekörpern

This European Standard was approved by CEN on 18 November 2019.

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European foreword

This document (EN 12697-20:2020) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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 EN 12697-20:2012.

The following is a list of significant technical changes since the previous edition:

- the title no longer makes the method exclusively for hot mix asphalt;
- [ge] editorial update according to current standard template;
- [Clause 2] references deleted to EN 13108-1, -2, -3, -4, -5 and -7 since they are not referred to, ISO 48, Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD) replaced by: ISO 48-2, Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD;
- [Clause 3] new clause: 3 Terms and definitions introduced according to ISO/IEC Directives – Part 2. Following clauses renumbered accordingly;
- for the following changes the new clause number is given within [] and the corresponding clause number in previous version is given within ();
- [4.1.8] (3.1.8) Silicone oil added as an example of release agent;
- [4.1.9] (3.1.9) Figure 1: correction of tolerances of metal mould to ($\pm 0,5$) in accordance with [4.1.1] (3.1.1);
- [4.2.1.1] (3.2.1.1) accuracy of $\pm 0,1$ mm for dial gauge introduced;
- [4.2.5] ISO 48 replaced by: ISO 48-2;
- [5.3] (4.3) two NOTES deleted;
- [6.3.1] (5.3.1) tolerance for edge and height of specimen unified to ($70,7 \pm 0,5$) mm in accordance with [4.1.1] (3.1.1);
- [6.3.2.2] (5.3.2.2) Reference to “the temperature indicated by the producer” deleted since it is covered by EN 12697-35;
- [6.3.2.3] (5.3.2.3) Sentence regarding temperature limit of 240 °C deleted. Subclause [6.3.2.3] (5.3.2.2) is referring to EN 12697-35. Corresponding NOTE deleted;
- [6.3.3] (5.3.3) Temperature restriction to 240 °C deleted. Subclause is referring to EN 12697-35;

- [Clause 7] (Clause 6) Instruction for the repetition of a test introduced; EN 12697-35;
- [Clause 8] (Clause 7) Paragraph with permissible difference deleted.

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

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