



BSI Standards Publication

Bitumen and bituminous binders — Accelerated long-term ageing conditioning by a Pressure Ageing Vessel (PAV)

National foreword

This British Standard is the UK implementation of EN 14769:2023. It supersedes BS EN 14769:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PTI/13, Petroleum Testing and Terminology.

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

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2023
Published by BSI Standards Limited 2023

ISBN 978 0 539 18396 2

ICS 75.140; 91.100.50

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2023.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

Bitumen and bituminous binders - Accelerated long-term ageing conditioning by a Pressure Ageing Vessel (PAV)

Bitumes et liants bitumineux - Vieillissement long-
terme accéléré réalisé dans un récipient de
vieillissement sous pression (PAV)

Bitumen und bitumenhaltige Bindemittel -
Beschleunigte Langzeitalterung mit einem
Druckalterungsbehälter (PAV)

This European Standard was approved by CEN on 28 May 2023.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents		Page
European foreword		3
1	Scope.....	4
2	Normative references.....	4
3	Terms and definitions	4
4	Principle	5
5	Apparatus	5
6	Procedure	7
6.1	General.....	7
6.2	Preparation of pressure vessel	7
6.3	Preparation of binder.....	8
6.4	Filling of containers	8
6.5	Long-term ageing conditioning.....	9
7	Precision	10
8	Report	10
Bibliography		13

European foreword

This document (EN 14769:2023) has been prepared by Technical Committee CEN/TC 336 “Bituminous binders”, the secretariat of which is held by AFNOR.

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 January 2024, and conflicting national standards shall be withdrawn at the latest by January 2024.

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 14769:2012.

In comparison with the previous edition, the main technical changes are:

- a) Scope updated;
- b) 3.1 aligned with other standards;
- c) Terms and definitions: update of 3.2, 3.3 and addition of 3.4;
- d) Clause 4 updated editorially;
- e) Clause 5: “accuracy” replaced by “maximum permissible measurement error”;
- f) Apparatus: 5.1.1 updated editorially and reference to (new) 5.1.2 added; 5.1.3 and 5.1.1 merged; 5.3 updated; 5.9 and 5.10 added;
- g) Clause 5.5: calculation of binder mass for other containers moved to 6.4 and cross-references;
- h) Procedure: updated in order to ease understanding, duplications removed;
- i) Clause 6.4: Note 3 changed into standard text and warning removed;
- j) Report updated;
- k) Figure 1: key updated;
- l) Figure 2 editorially updated (layout of key) and renamed into “drawing”;
- m) Bibliography updated.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.