



BSI Standards Publication

Bitumen and bituminous binders — Specification framework for special paving grade bitumen

Part 1: Hard paving grade bitumens

National foreword

This British Standard is the UK implementation of EN 13924-1:2015. It supersedes BS EN 13924:2006 which is withdrawn.

Guidance for users on the implementation of BS EN 13924-1:2015 in the UK is included in National Annex NA (informative).

The UK participation in its preparation was entrusted by Technical Committee B/510, Road materials, to Subcommittee B/510/19, Bitumen and related products.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2016.

Published by BSI Standards Limited 2016

ISBN 978 0 580 77116 3

ICS 93.080.20

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 30 June 2016.

Amendments/corrigenda issued since publication

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

English Version

**Bitumen and bituminous binders - Specification
framework for special paving grade bitumen - Part 1: Hard
paving grade bitumens**

Bitumes et liants bitumineux - Cadre de spécifications
pour les bitumes routiers spéciaux - Partie 1 : Bitumes
routiers de grade dur

Bitumen und bitumenhaltige Bindemittel -
Anforderungsrahmenwerk für spezielle
Straßenbaubitumen - Teil 1: Harte Straßenbaubitumen

This European Standard was approved by CEN on 3 October 2015.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Sampling.....	6
5 Requirements and test methods.....	7
5.1 General.....	7
5.2 Properties and related test methods	7
5.2.1 General.....	7
5.2.2 Consistency at intermediate service temperatures.....	7
5.2.3 Consistency at elevated service temperatures.....	7
5.2.4 Brittleness at low service temperature.....	7
5.2.5 Temperature dependence of consistency	7
5.2.6 Durability – Resistance to hardening.....	8
5.2.7 Informative properties	8
5.2.8 Temperature dependency of mixing.....	8
5.2.9 Flash point	8
5.2.10 Density	8
5.2.11 Solubility	8
5.3 Release of regulated dangerous substances.....	10
5.4 Precision.....	10
6 Assessment and verification of constancy of performance – AVCP.....	10
6.1 General.....	10
6.2 Type testing.....	10
6.2.1 General.....	10
6.2.2 Test samples, testing and compliance criteria	11
6.2.3 Test reports.....	11
6.2.4 Shared other party results.....	11
6.3 Factory production control (FPC)	12
6.3.1 General.....	12
6.3.2 Requirements	12
6.3.3 Initial inspection of factory and of FPC	15
6.3.4 Continuous surveillance of FPC.....	15
6.3.5 Procedure for modifications	16
6.3.6 One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity	16
Annex A (normative) Calculation of the penetration index.....	17
A.1 General.....	17
A.2 Term and definition	17
A.3 Principle	17