

DIN EN 13924-2**DIN**

ICS 93.080.20

See start of application

**Bitumen and bituminous binders –
Specification framework for special paving grade bitumen –
Part 2: Multigrade paving grade bitumens;
English version EN 13924-2:2014,
English translation of DIN EN 13924-2:2014-07**

Bitumen und bitumenhaltige Bindemittel –
Anforderungsrahmenwerk für spezielle Straßenbaubitumen –
Teil 2: Multigrade Straßenbaubitumen;
Englische Fassung EN 13924-2:2014,
Englische Übersetzung von DIN EN 13924-2:2014-07

Bitumes et liants bitumineux –
Cadre de spécifications pour les bitumes routiers spéciaux –
Partie 2: Bitumes routiers multigrades;
Version anglaise EN 13924-2:2014,
Traduction anglaise de DIN EN 13924-2:2014-07

Document comprises 31 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

Start of application

The start of application of this standard is 2014-07-01.

It should be noted that, in Germany, CE conformity marking of construction products will be permitted once this standard has been listed in the Official Journal of the European Union and/or the *Bundesanzeiger* (German Federal Gazette) and from the date given therein.

For further information, users of this standard should refer to the websites of the European Commission or of the relevant building authority.

National foreword

This document (EN 13924-2:2014) has been prepared by Technical Committee CEN/TC 336 “Bituminous binders” (Secretariat: AFNOR, France).

The responsible German bodies involved in its preparation were the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee) and the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Joint Committee NA 062-03-32 GA *Bitumen; Prüfverfahren und Anforderungen für die Bindemittel*.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13924-2

March 2014

ICS 75.140; 91.100.50

English Version

**Bitumen and bituminous binders - Specification framework for
special paving grade bitumen - Part 2: Multigrade paving grade
bitumens**

Bitumes et liants bitumineux - Cadre de spécifications pour
les bitumes routiers spéciaux - Partie 2: Bitumes routiers
multigrades

Bitumen und bitumenhaltige Bindemittel -
Anforderungsrahmenwerk für spezielle Straßenbaubitumen
- Teil 2: Multigrade Straßenbaubitumen

This European Standard was approved by CEN on 4 February 2014.

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 |
|--|------|
|--|------|

| | |
|--|----|
| Foreword | 3 |
| Introduction | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 5 |
| 4 Sampling | 6 |
| 5 Requirements and test methods | 6 |
| 5.1 General | 6 |
| 5.2 Properties and related test methods | 6 |
| 5.2.1 General | 6 |
| 5.2.2 Consistency at intermediate service temperature | 6 |
| 5.2.3 Consistency at elevated service temperature | 6 |
| 5.2.4 Temperature dependence of consistency | 6 |
| 5.2.5 Brittleness at low service temperature | 6 |
| 5.2.6 Durability – Resistance to hardening | 7 |
| 5.2.7 Temperature dependency of mixing | 7 |
| 5.2.8 Other properties | 7 |
| 5.2.9 Informative properties | 7 |
| 5.3 Release of regulated dangerous substances | 7 |
| 5.4 Precision | 7 |
| 6 Assessment and verification of constancy of performance - AVCP | 9 |
| 6.1 General | 9 |
| 6.2 Type testing | 9 |
| 6.2.1 General | 9 |
| 6.2.2 Test samples, testing and compliance criteria | 10 |
| 6.2.3 Test reports | 10 |
| 6.2.4 Shared other party results | 10 |
| 6.3 Factory production control (FPC) | 11 |
| 6.3.1 General | 11 |
| 6.3.2 Requirements | 11 |
| 6.3.3 Initial inspection of factory and of FPC | 14 |
| 6.3.4 Continuous surveillance of FPC | 14 |
| 6.3.5 Procedure for modifications | 15 |
| 6.3.6 One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity | 15 |
| Annex A (normative) Calculation of the penetration index, I_p | 17 |
| Annex B (normative) Informative properties | 19 |
| Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EC Construction Products Regulation | 20 |
| ZA.1 Scope and relevant characteristics | 20 |
| ZA.2 Procedure for AVCP of multigrade paving grade bitumens | 21 |
| ZA.2.1 System of attestation of conformity | 21 |
| ZA.2.2 Declaration of performance (DoP) | 22 |
| ZA.2.2.1 General | 22 |
| ZA.2.2.2 Content | 23 |
| ZA.2.2.3 Example of DoP | 24 |
| ZA.3 CE marking and labelling | 25 |
| Bibliography | 29 |