

Derivatives from coal pyrolysis — Coal tar and pitch based binders and related products: coating tar — Characteristics and test methods

The European Standard EN 14266:2003 has the status of a
British Standard

ICS 75.140

National foreword

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Summary of pages

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English version

Derivatives from coal pyrolysis - Coal tar and pitch based binders and related products : coating tar - Characteristics and test methods

Produits dérivés de la pyrolyse du charbon - Liants à base de goudron et de brais issus de la houille et produits connexes: goudron d'enduisage - Caractéristiques et méthodes d'essai

Derivate der Kohlenpyrolyse - Bindemittel aus Steinkohlenteer und Steinkohlenteerpech und verwandte Produkte: Teere für Beschichtungssysteme - Anforderungen und Prüfverfahren

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Foreword

This document (EN 14266:2003) has been prepared by Technical Committee CEN /TC 317, "Derivatives from coal pyrolysis", the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

In this European Standard the annexes A and B are informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies the methods of test required to determine the characteristics for "coating tar" used for coating.

Depending on the required application and the desired properties of the end product, different grades of coating tars are available.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 13357, *Bitumen and bituminous binders - Determination of the efflux time of petroleum cut-back and fluxed bitumens*

EN 13847:2001, *Coal tar and pitch based binders and related products - Terminology and classification*

ISO 6257, *Carbonaceous materials used in the production of aluminium - Pitch for electrodes - Sampling*

ISO 10336, *Crude Petroleum- Determination of water - Potentiometric Karl Fischer titration method*

BS 76, *Specifications for tars for road purposes - Method of distillation*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13847:2001 apply.

4 Classification

For the purposes of this European Standard, the classification according to EN 13847:2001 applies.

5 Characteristics

The following characteristics shall be determined:

- a) Distillation;
- b) Viscosity;
- c) Water content.

6 Specifications

The typical values given in annex A can be used as requirements.

7 Sampling

ISO 6257 specifies methods for sampling and preparing samples for testing of coating tar.

These methods are applicable to all grades of coating tars in liquid form, in bulk, or in a numbers of containers making up one batch at sites of manufacture, storage of delivery.

8 Test methods

For the determination of the characteristics according to clause 5, the methods listed in table 1 have to be used.

Table 1 — Test methods

Characteristic	Test methods
Water content	ISO 10336
Viscosity	EN 13357
Distillation	BS 76:1994, appendix D (use of a flask of 500 ml and 200 g of sample)

Annex A (informative)

Typical values

The typical values in table A.1 can be used as requirements of the coating tar.

Table A.1 — Typical values

Water content	max. 2 %
Efflux time	depends on recipe
Distillation	depends on recipe

Annex B (informative)

Warning to use ¹⁾

B.1 Composition - Data on components

- ¾ Chemical characterization of coating tars
 - ¾ CAS. N° Designation: Void.
 - ¾ Identification number (s): Void.
 - ¾ EINECS Number: Void.
 - ¾ Description: Complex mixture of polynuclear aromatic and heterocyclic hydrocarbons.
 - ¾ Dangerous components: Benzo(a)pyrene < 1 %

B.2 First aid measures

- ¾ General information: Instantly remove any clothing soiled by the product.
- ¾ After inhalation: Supply fresh air ; consult doctor in case of symptoms.
- ¾ After skin contact: Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- ¾ After eye contact: Rinse opened eye for several minutes under running water.
- ¾ After swallowing: In case of persistent symptoms consult doctor.

B.3 Handling and storage

- ¾ Handling
 - ¾ Information for safe handling: Open and handle container with care.
 - ¾ Information about protection against explosions and fires:
 - Keep breathing equipment ready.
 - Keep ignition sources away-Do not smoke.
 - The product forms flammable fumes when heated
- ¾ Storage
 - ¾ Requirements to be met by storerooms and containers: Provide floor trough without outlet.
 - ¾ Information about storage in one common storage facility: Not required.
 - ¾ Further information about storage conditions: Keep container tightly sealed.
Must be stored into a collecting room.

B.4 Disposal considerations

- ¾ European waste catalogue : The waste code classification is to be carried out according to the European Waste Catalogue (EWC) specifically for each branch of industry and each type of process.
- ¾ Uncleaned packagings : Disposal must be made according to official regulations.
Must not be disposed of together with household garbage.
- ¾ Recommendation : Disposal must be made according to official regulations.

¹⁾ The latest edition of the publication of the Material Safety Data Sheet of the product applies

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