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

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

Derivate der Kohlenpyrolyse - Bindemittel aus Steinkohlenteer und Steinkohlenteerpech und verwandte Produkte: Teerpechlack - Anforderungen und Prüfverfahren

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

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14265:2003) 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of an identical text or by endorsement, at the latest by March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.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 "painting tar" used as industrial and domestic varnish.

Depending on the required application and the desired properties of the end product, different grades of painting 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 13847:2001, *Coal tar and pitch based binders and related products - Terminology and classification*

EN 12846, *Bitumen and bituminous binders - Determination of efflux time of bitumen emulsions by the efflux viscometer*

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*

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) Water content**;**

b) Viscosity;

c) Drying time.

6 Specifications

Specifications requested by the customers shall be applied.

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 painting tar.

These methods are applicable to all grades of painting tar 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 12846
Drying time	Brush on an inoxydable plate 50 g/m^2. At ambient temperature of 20 °C, the sample has to be dry by touch.

Annex A
(informative)

Typical values

The typical values in Table A.1 can be used as requirements of the painting tar.

Table A.1 — Typical values

Water content	< 0,5 %
Viscosity (2 mm / 25 °C)	depends on recipe
Drying time	between 3 h and 6 h

Annex B
(informative)

Warning to use [1)]

B.1 Composition - Data on components

- Chemical characterization of painting tars
  - CAS. N° Designation: Void.
  - Identification number (s): Void.
  - EINECS Number: Void.
  - Description: Complex mixture of polynuclear aromatic and heterocyclic hydrocarbons.
  - Dangerous components: Benzo(d,e,f) chrysene < 1 %

B.2 First aid measures

- General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 h after the accident.
- After inhalation: Take affected persons into the open air and position comfortably.
- After skin contact: Instantly wash with water and soap and rinse thoroughly.

  If skin irritation continues consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Instantly call for a doctor.

B.3 Handling and storage

- Handling:
  - Information for safe handling: Ensure good ventilation/ exhaustion at the workplace.

    Open and handle container with care.

    Prevent formation of aerosols
  - 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.

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