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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15180-2025

Replacing GB/T 15180-2010

Petroleum asphalts for heavy traffic road

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 15180-2010 "Petroleum Asphalt for Heavy Traffic Roads". Compared with GB/T 15180-2010, except for the structural adjustment In addition to editorial changes, the main technical changes are as follows:

- a) The AH-30 grade and its technical requirements were deleted (see Table 1 of the.2010 edition);
- b) Added AH-170 grade and its technical requirements (see Table 1);
- c) Changed the elongation of the residue at 15°C after the AH-50 film oven test, and changed the reported value to no less than 5 cm (see Table 1, Table 1 of the.2010 edition);
- d) The limit value of mass change in the film oven test has been changed (see Table 1, Table 1 of the.2010 edition);
- e) Added inspection rules (see Chapter 6). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the National Technical Committee for Standardization of Petroleum Products and Lubricants (SAC/TC280). This document was drafted by: China University of Petroleum (East China), Foshan Jiaotong Tiannuo (Guangdong) Materials Co., Ltd., Ministry of Transport Highway Research Institute Institute, Sinopec Petrochemical Research Institute Co., Ltd., China National Offshore Oil Corporation, PetroChina Fuel Oil Co., Ltd., Beijing Municipal Road and Bridge Building Materials Group Co., Ltd., Sinopec Qilu Petrochemical Company, Sinopec Zhenhai Refining and Chemical Company, PetroChina Liaohe Petrochemical Company, PetroChina Karamay Petrochemical Co., Ltd., Henan Yellow River Expressway Co., Ltd., CCCC Second Highway Engineering Bureau Co., Ltd., Harbin Institute of

Technology. The main drafters of this document are. Zhang Yuzhen, Zeng Guodong, Guo Ning, Yan Erhu, Wang Cuihong, Wang Jinfeng, Shi Jingtao, Liu Hao, Sun Xianju, Zhang Xiaoyan, Cao Pengyun, Lin Xixiong, Zhao Zhigang, Xue Cheng, Li Hao, Tan Yiqiu. This document was first issued in.1994, revised for the first time in.2000, revised for the second time in.2010, and this is the third revision. Heavy traffic road asphalt Warning. If appropriate precautions are not followed, the products covered by this document may be at risk during production, storage, transportation and use. This document is not intended to provide advice on all safety issues associated with this product. It is the user's responsibility to establish appropriate safety and protection measures and determine the applicability of relevant regulatory limitations.

1 Scope

GB/T 15180-2025 is the Chinese national standard on petroleum asphalts for heavy traffic road, in the field of petroleum and related technologies. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 28 February 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 September 2025. Classification: ICS 75.140, CCS E43. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the technical requirements and test methods for petroleum asphalt suitable for heavy traffic road construction, which is produced from petroleum as raw material through appropriate processes. Inspection methods, inspection rules, as well as packaging, marking, storage, transportation and delivery acceptance. This document applies to the production, sale and use of heavy traffic road petroleum asphalt in road construction projects.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 267 Determination of flash point and fire point of petroleum products (open cup method)

GB/T 4507 Determination of asphalt softening point - Ring and ball method

GB/T 4508 Asphalt ductility test method

GB/T 4509 Asphalt penetration test method

GB/T 5304 Petroleum asphalt film oven test method

GB/T 8928 Determination of density of solid and semi-solid petroleum asphalt

GB/T 11147 Asphalt sampling method

GB/T 11148 Determination of solubility of petroleum asphalt NB/SH/T 0164 Rules for packaging, storage, transportation and delivery acceptance of petroleum and related products NB/SH/T 0425 Determination of wax content in petroleum asphalt

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4 Product Categories

Heavy traffic road petroleum asphalt is divided into six types according to the needle penetration range. AH-170, AH-130, AH-110, AH-90, AH-70, AH-

5 Technical requirements and test methods

The technical requirements and test methods for heavy traffic road petroleum asphalt shall comply with the provisions of Table 1.