Designation: D2026/D2026M – 15 (Reapproved 2021)ε1

Standard Specification for Cutback Asphalt (Slow-Curing Type)[1]

This standard is issued under the fixed designation D2026/D2026M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

ε[1] NOTE—Section 1 was updated editorially in November 2021.

1. Scope

1.1 This specification covers cutback petroleum asphalts of the slow-curing type for use in the construction and treatment of pavements.

1.2 *Units*—The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformance with the standard.

1.3 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

D92 Test Method for Flash and Fire Points by Cleveland Open Cup Tester

D95 Test Method for Water in Petroleum Products and Bituminous Materials by Distillation

D113 Test Method for Ductility of Asphalt Materials

D140/D140M Practice for Sampling Asphalt Materials

D243/D243M Test Method for Residue of Specified Penetration

D402/D402M Test Method for Distillation of Cutback Asphalt

D2042 Test Method for Solubility of Asphalt Materials in Trichloroethylene

D2170/D2170M Test Method for Kinematic Viscosity of Asphalts

D7553 Test Method for Solubility of Asphalt Materials in N-Propyl Bromide

3. Properties

3.1 The cutback asphalt shall not foam when heated to application temperature and shall conform to the requirements prescribed in Table 1.

4. Test Methods

4.1 The material shall be sampled in accordance with Practice D140/D140M, and the properties enumerated in this specification shall be determined in accordance with the following ASTM test methods:

4.1.1 *Flash Point (Cleveland Open Cup)*—Test Method D92.

4.1.2 *Viscosity, Kinematic*—Test Method D2170/D2170M.

4.1.3 *Distillation*—Test Method D402/D402M.

NOTE 1—If a 100-mL graduate does not permit sufficiently close readings to determine conformity to this specification with the desired accuracy, receivers graduated in 0.1-mL divisions shall be used.

4.1.4 *Asphalt Residue*—Test Method D243/D243M.

4.1.5 *Ductility*—Test Method D113.

4.1.6 *Solubility in Trichloroethylene or N-Propyl Bromide*—Test Method D2042/D7553.

4.1.7 *Water*—Test Method D95.

[1] This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.40 on Asphalt Specifications.

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.