



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

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

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 non-conformance with the standard.

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 Bituminous Materials
- D140 Practice for Sampling Bituminous Materials
- D243 Test Method for Residue of Specified Penetration

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.

- D402 Test Method for Distillation of Cutback Asphalt
- D2042 Test Method for Solubility of Asphalt Materials in Trichloroethylene
- D2170 Test Method for Kinematic Viscosity of Asphalts (Bitumens)
- 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](#), 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](#).
- 4.1.3 *Distillation*—Test Method [D402](#).

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](#).
- 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](#).