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

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

1. Scope

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

2. Referenced Documents

2.1 ASTM Standards:

- D 5 Test Method for Penetration of Bituminous Materials²
- D 95 Test Method for Water in Petroleum Products and Bituminous Materials by Distillation³
- D 113 Test Method for Ductility of Bituminous Materials²
- D 140 Practice for Sampling Bituminous Materials²
- D 402 Test Method for Distillation of Cut-Back Asphaltic (Bituminous) Products²
- D 2042 Test Method for Solubility of Asphalt Materials in Trichloroethylene²
- D 2170 Test Method for Kinematic Viscosity of Asphalts (Bitumens)²

¹ This specification is under the jurisdiction of ASTM Committee D-4 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.40 on Asphalt Specifications.

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² *Annual Book of ASTM Standards*, Vol 04.03.

³ *Annual Book of ASTM Standards*, Vol 05.01.

D 3143 Test Method for Flash Point of Cutback Asphalt with Tag Open-Cup Apparatus²

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 D 140, and the properties enumerated in this specification shall be determined in accordance with the following ASTM methods:

- 4.1.1 *Flash Point (Tag Open-Cup)*—Test Method D 3143.
- 4.1.2 *Viscosity, Kinematic*—Test Method D 2170.
- 4.1.3 *Distillation*—Test Method D 402.

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

4.1.4 *Penetration*—Test Method D 5.

4.1.5 *Ductility*—Test Method D 113.

4.1.6 *Solubility in Trichloroethylene*—Test Method D 2042.

4.1.7 *Water*—Test Method D 95.