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## Standard Specification for Cutback Asphalt (Medium-Curing Type)<sup>1</sup>

This standard is issued under the fixed designation D 2027; 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 approval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*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 medium-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 Materials<sup>2</sup>

D 95 Test Method for Water in Petroleum Products and Bituminous Materials by Distillation<sup>3</sup>

D 113 Test Method for Ductility of Bituminous Materials<sup>2</sup>

D 140 Practice for Sampling Bituminous Materials<sup>2</sup>

D 402 Test Method for Distillation of Cut-Back Asphaltic (Bituminous) Products<sup>2</sup>

D 2042 Test Method for Solubility of Asphalt Materials in Trichloroethylene<sup>2</sup>

D 2170 Test Method for Kinematic Viscosity of Asphalts (Bitumens)<sup>2</sup>

D 3143 Test Method for Flash Point of Cutback Asphalt with Tag Open-Cup Apparatus<sup>2</sup>

### 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 materials 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 this specification with the desired accuracy, receivers graduated with 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.

<sup>1</sup> 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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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 04.03.

<sup>3</sup> *Annual Book of ASTM Standards*, Vol 05.01.