



Designation: D 490 – 92 (Reapproved 1997)

## Standard Specification for Road Tar<sup>1</sup>

This standard is issued under the fixed designation D 490; 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 ( $\epsilon$ ) 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 14 grades of tar as follows: RT-1, RT-2, RT-3, RT-4, RT-5, RT-6, RT-7, RT-8, RT-9, RT-10, RT-11, RT-12, RT.C.B.-5, and RT.C.B.-6.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

- D 4 Test Method for Bitumen Content<sup>2</sup>
- D 20 Test Method for Distillation of Road Tars<sup>3</sup>
- D 36 Test Method for Softening Point of Bitumen (Ring and Ball Apparatus)<sup>2</sup>
- D 70 Test Method for Specific Gravity and Density of Semi-Solid Bituminous Materials<sup>3</sup>
- D 95 Test Method for Water in Petroleum Products and

Bituminous Materials by Distillation<sup>4</sup>

- D 139 Test Method for Float Test for Bituminous Materials<sup>3</sup>
- D 140 Practice for Sampling Bituminous Materials<sup>3</sup>
- D 1665 Test Method for Engler Specific Viscosity of Tar Products<sup>3</sup>

### 3. Physical Requirements

3.1 The tar shall conform to the requirements in Table 1.

### 4. Sampling

4.1 The material shall be sampled in accordance with Practice D 140.

### 5. Test Methods

5.1 The properties enumerated in Table 1 shall be determined in accordance with the following methods, with the exception of the test specified in 5.1.3:

- 5.1.1 *Water*—Test Method D 95.
- 5.1.2 *Specific Gravity*— Test Method D 70.
- 5.1.3 *Specific Viscosity*—Test Method D 1665. The results shall be reported as specific viscosity compared with water at 25°C.
- 5.1.4 *Float Test*—Test Method D 139.
- 5.1.5 *Distillation*— Test Method D 20.
- 5.1.6 *Softening Point*— Test Method D 36.
- 5.1.7 *Total Bitumen*— Test Method D 4.

<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 D04.43 on Specifications and Tests for Tar and Tar Products.

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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 04.04.

<sup>3</sup> *Annual Book of ASTM Standards*, Vol 04.03.

<sup>4</sup> *Annual Book of ASTM Standards*, Vol 05.01.