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Standard Specification for Emulsified Asphalt¹

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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 thirteen grades of emulsified asphalt for use in pavement construction in the manner designated.
- 1.2 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

2. Referenced Documents

2.1 ASTM Standards:²

D5 [Test Method for Penetration of Bituminous Materials](#)

D113 [Test Method for Ductility of Bituminous Materials](#)

D139 [Test Method for Float Test for Bituminous Materials](#)

D140 [Practice for Sampling Bituminous Materials](#)

D244 [Test Methods and Practices for Emulsified Asphalts](#)

D3910 [Practices for Design, Testing, and Construction of Slurry Seal](#)

D6930 [Test Method for Settlement and Storage Stability of Emulsified Asphalts](#)

D6933 [Test Method for Oversized Particles in Emulsified Asphalts \(Sieve Test\)](#)

D6935 [Test Method for Determining Cement Mixing of Emulsified Asphalt](#)

D6936 [Test Method for Determining Demulsibility of Emulsified Asphalt](#)

D6997 [Test Method for Distillation of Emulsified Asphalt](#)

D7553 [Test Method for Solubility of Asphalt Materials in N-Propyl Bromide](#)

D2042 [Test Method for Solubility of Asphalt Materials in Trichloroethylene](#)

D7496 [Test Method for Viscosity of Emulsified Asphalt by Saybolt Furol Viscometer](#)

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3. Requirements

- 3.1 The emulsified asphalt shall be tested within 14 days of delivery. The emulsified asphalt shall be homogeneous after thorough mixing provided separation has not been caused by freezing. Emulsified asphalts separated by freezing shall not be tested.
- 3.2 Emulsified asphalt shall conform to the requirements prescribed in Table 1.

4. Sampling

- 4.1 Samples of emulsified asphalt shall be taken in accordance with Practice D140.
- 4.2 Samples shall be stored in clean, airtight sealed containers as specified in Practice D140 at a temperature of not less than 4°C until tested.

5. Test Methods

5.1 The properties of the emulsified asphalts given in Table 1 shall be determined in accordance with the following ASTM test methods:

- 5.1.1 ~~Viscosity—Test Method~~—[Test Methods D7496](#).

¹ This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.41 on Emulsified 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.