



Designation: D 2397 – 02

Standard Specification for Cationic 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 seven grades of cationic emulsified asphalt for use in pavement construction in the manner designated.

2. Referenced Documents

2.1 *ASTM Standards:*

D 140 Practice for Sampling Bituminous Materials²

D 244 Test Methods for Emulsified Asphalts²

D 3910 Practices for Design, Testing, and Construction of Slurry Seal²

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. Emulsions 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 D 140.

4.2 Samples shall be stored in clean, airtight sealed containers at a temperature of not less than 4°C (39.2°F) until tested.

5. Test Methods

5.1 The properties of the emulsified asphalts given in Table 1 shall be determined in accordance with Test Methods D 244, with the following exception:

5.1.1 *Sieve Test*—Use distilled water in all wetting and washing operations in place of sodium oleate solution (2 %).

6. Keywords

6.1 cationic; emulsified asphalt; emulsion; medium setting; rapid setting; slow setting

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 *Annual Book of ASTM Standards*, Vol 04.03.