
Standard Specification for Emulsified Asphalt

AASHTO Designation: M 140-20 (2024)

Technically Revised: 2020

Reviewed but Not Updated: 2024

Technical Subcommittee: 2a, Emulsified Asphalts



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1. SCOPE

- 1.1. This specification covers 15 grades of emulsified asphalt for use in pavement construction in the manner designated.
- Note 1**—See M 208 for specifications covering cationic emulsified asphalt and M 316 for specifications covering polymer-modified emulsified asphalt.
- 1.2. The values stated in SI units are to be regarded as the standard.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- M 208, Cationic Emulsified Asphalt
 - M 316, Polymer-Modified Emulsified Asphalt
 - R 5, Selection and Use of Emulsified Asphalts
 - R 66, Sampling Asphalt Materials
 - R 77, Certifying Suppliers of Emulsified Asphalt
 - T 49, Penetration of Bituminous Materials
 - T 50, Float Test for Bituminous Materials
 - T 51, Ductility of Asphalt Materials
 - T 59, Emulsified Asphalts
 - T 111, Mineral Matter or Ash in Asphalt Materials
 - T 382, Determining the Viscosity of Emulsified Asphalt by a Rotational Paddle Viscometer

3. REQUIREMENTS

- 3.1. Upon receipt, refer to T 59 for the proper protocol for conditioning the emulsified asphalt prior to mixing and testing. The emulsified asphalt should appear to be homogeneous after thorough mixing. Complete testing of sample for emulsified asphalt properties within 14 days of the sample date. Complete testing for emulsified asphalt residue properties within 30 days of the emulsified asphalt sample date.
- Note 2**—Dilution of the emulsified asphalt to aid in the field application of the material should not occur without approval of the buyer.
- 3.1.1. If the emulsified asphalt appears to be inhomogeneous after reconditioning and mixing according to T 59, discard and resample for testing if required by the buyer.