
Standard Specification for Materials for Emulsified Asphalt Scrub Seal

AASHTO Designation: M 345-24¹

Technically Revised: 2024

Technical Subcommittee: 5b, Bridge and Pavement Preservation



**American Association of State Highway and Transportation Officials
555 12th Street NW, Suite 1000
Washington, DC 20004**

Standard Specification for

Materials for Emulsified Asphalt Scrub Seal

AASHTO Designation: M 345-24¹



Technically Revised: 2024

Technical Subcommittee: 5b, Bridge and Pavement Preservation

1. SCOPE
- 1.1.

A scrub seal is the application of emulsified asphalt with a scrub broom followed immediately by an application of a single layer of cover aggregate. The treatment can be applied as a wearing surface or as an interlayer.
- 1.2.

This standard specifies quality requirements for aggregate and emulsified asphalt for scrub seals.

2. REFERENCED STANDARDS

- 2.1. AASHTO Standards:
- M 140, Emulsified Asphalt
- M 208, Cationic Emulsified Asphalt
- M 316, Polymer-Modified Emulsified Asphalt
- M 339M/M 339, Thermometers Used in the Testing of Construction Materials
- R 66, Sampling Asphalt Materials
- R 78, Recovering Residue from Emulsified Asphalt Using Low-Temperature Evaporative Techniques
- T 11, Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
- T 27, Sieve Analysis of Fine and Coarse Aggregates
- T 49, Penetration of Bituminous Materials
- T 59, Emulsified Asphalts
- T 96, Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- T 111, Mineral Matter or Ash in Asphalt Materials
- T 179, Effect of Heat and Air on Asphalt Materials (Thin-Film Oven Test)
- T 201, Kinematic Viscosity of Asphalts (Bitumens)
- T 202, Viscosity of Asphalts by Vacuum Capillary Viscometer
- T 240, Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)
- T 301, Elastic Recovery Test of Asphalt Materials by Means of a Ductilometer
- T 315, Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
- T 335, Determining the Percentage of Fracture in Coarse Aggregate
- T 350, Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer