
Standard Specification for Materials for Emulsified Asphalt Chip Seals

AASHTO Designation: M 340-22¹

Adopted: 2022

Technical Subcommittee: 5b, Bridge and Pavement Preservation



**American Association of State Highway and Transportation Officials
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1. SCOPE

- 1.1. A chip seal is an application of emulsified asphalt, followed immediately by an application of a single layer of cover aggregate.
 - 1.2. This standard specifies quality requirements for aggregate and emulsified asphalt for chip seals with an option for a fog seal.
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2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
 - M 140, Emulsified Asphalt
 - M 208, Cationic Emulsified Asphalt
 - M 316, Polymer-Modified Emulsified Asphalt
 - T 11, Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
 - T 27, Sieve Analysis of Fine and Coarse Aggregates
 - T 96, Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
 - T 335, Determining the Percentage of Fracture in Coarse Aggregate
 - 2.2. *Federal Lands Highway (FLH) Standard:*
 - FLH T 508, Flakiness Index Value
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3. TERMINOLOGY

- 3.1. *Definitions:*
 - 3.1.1. *CSS-1h*—a cationic emulsified asphalt that is slow-setting and hard (for fog seals only).
 - 3.1.2. *SS-1h*—an anionic emulsified asphalt that is slow-setting and hard (for fog seals only).
 - 3.1.3. *rapid-setting type emulsified asphalt*—any emulsified asphalt containing the CRS, CHFRS, HFRS, or RS designation as referenced in M 140, M 208, or M 316.