
Standard Specification for Materials for Slurry Seal

AASHTO Designation: M 342-22¹

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. This standard covers requirements for emulsified asphalt, aggregate, mineral filler, water, and additive materials used in slurry seals. Slurry seals are mixed and placed on existing pavement surfaces using specially designed paving machines.
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2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- M 17, Mineral Filler for Bituminous Paving Mixtures
 - M 85, Portland Cement
 - M 208 Cationic Emulsified Asphalt
 - M 295, Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
 - M 303, Lime for Asphalt Mixtures
 - R 104, Slurry Seal Design
 - 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 104, Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate
 - T 176, Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test
 - T 335, Determining the Percentage of Fracture in Coarse Aggregate
- 2.2. *ANSI Standard:*
- NSF/ANSI 60-2013, Drinking Water Treatment Chemicals-Health Effects
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3. TERMINOLOGY

- 3.1. *CQS-1H*—a cationic, quick-setting emulsified asphalt.
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4. SIGNIFICANCE AND USE

- 4.1. This standard may be used to select and evaluate materials for the construction of slurry seal. The design recommendations for slurry seal may be found in R 104.