
Standard Specification for Materials for Sand Seals

AASHTO Designation: MP 34-18 (2020)¹

**Technical Subcommittee: 5b, Bridge and Pavement
Preservation**

Release: Group 1 (April)



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

Standard Specification for

Materials for Sand Seals

AASHTO Designation: MP 34-18 (2020)¹



Technical Subcommittee: 5b, Bridge and
Pavement Preservation

Release: Group 1 (April)

1. SCOPE

- 1.1. This standard specifies quality requirements for aggregate and emulsified asphalt for sand seals on properly prepared bituminous streets.
- 1.2. A sand seal is an application of emulsified asphalt, followed immediately by an application of a single layer of fine graded cover aggregate, which is then rolled for embedment. The seal may be applied in multiple lifts depending on traffic demands and existing road surface conditions.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- [M 140](#), Emulsified Asphalt
 - [M 208](#), Cationic 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 176](#), Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test

3. TERMINOLOGY

- 3.1. *Definitions:*
- 3.1.1. *rapid-setting type emulsified asphalt*—any emulsified asphalt containing the CRS, CHFRS, HFRS, or RS designation as referenced in [M 140](#) or [M 208](#).
- 3.1.2. *medium-setting type emulsified asphalt*—any emulsified asphalt containing the MS or HFMS designation as referenced in [M 140](#).
- 3.1.3. *cationic slow-setting*—any emulsified asphalt containing the CSS-1 or CSS-1h designation as reference in [M 208](#).

4. SIGNIFICANCE AND USE

- 4.1. This standard specification may be used to select and evaluate materials for the construction of emulsified asphalt sand seals.