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# **Standard Specification for Materials for Sand Seals**

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**AASHTO Designation: M 344-22<sup>1</sup>**

**Adopted: 2022**

**Editorially Revised: 2023**

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



**American Association of State Highway and Transportation Officials  
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Washington, DC 20004**

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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:

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M 140, Emulsified Asphalt

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M 208, Cationic Emulsified Asphalt

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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 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.