

SECTION 115

SLURRY SEAL MATERIALS

115.1 GENERAL

Slurry seal coats shall consist of a bituminous material and filler of mineral aggregates in the proportions specified under Section 330.

115.2 REFERENCES

115.2.1 ASTM

C 88	D 242
C 131	D 2419
C 386	

115.2.2 This publication:

SECTION 112
SECTION 113
SECTION 330

115.3 MINERAL AGGREGATES

115.3.1 The mineral aggregate shall consist of natural or manufactured sand, slag, crusher fines, or a combination thereof. Smooth textured sand of less than 1.25 percent water absorption shall not exceed 50 percent of the total combined aggregate. The aggregate shall be clean and free from vegetable matter and other deleterious substances. When tested by ASTM D 2419, the aggregate blend shall have a sand equivalent of not less than 45. When tested according to ASTM C 88, the aggregate shall show a loss of not more than 15 percent. When tested according to ASTM C 131, the aggregate shall show a loss of not more than 35 percent.

115.3.2 Mineral fillers such as Portland cement, limestone dust, or fly ash, shall be considered as part of the blended aggregate and shall be used in minimum required amounts. The mineral fillers shall meet the requirements of ASTM D 242. Mineral fillers shall only be used if needed to improve the quality of the mix or gradation of the aggregate.

115.3.3 The combined mineral aggregate shall conform to one of the following gradations on Table 115.3.3 when tested in accordance with ASTM C 386. The type gradation will be as shown on the plans or as specified by the ENGINEER.

115.4 BITUMINOUS MATERIALS

115.4.1 The bituminous material shall be an emulsified asphalt as specified by the ENGINEER or as shown on the plans. The material shall conform to the requirements of Section 113.

115.4.2 Test certificates and reports for bituminous material shall be furnished in accordance with Section 112.

115.4.3 A test report for adhesion of emulsified asphalt as specified in Section 112 is required.

115.5 MEASUREMENT AND PAYMENT

No measurement or payment will be made for separate ingredients of the slurry seal. Payment for asphalt emulsion slurry seal shall be made on the unit price per square yard as per the Bid Proposal.

TABLE 115.3.3
 AGGREGATE GRADING FOR SLURRY SEAL

Sieve Size	Type I Percent Passing	Type II Percent Passing	Type III Percent Passing
3/8	100	100	100
No. 4	100	90-100	70-90
No. 8	90-100	65-90	45-70
No. 16	65-90	45-70	28-50
No. 30	40-60	30-50	19-34
No. 50	25-42	18-30	12-25
No. 100	15-30	10-21	7-18
No. 200	10-20	5-15	5-15
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