

1111 - AGGREGATES FOR SURFACING OR RESURFACING

SECTION 1111

AGGREGATES FOR SURFACING OR RESURFACING

1111.1 DESCRIPTION

This specification covers the type of aggregate used for surfacing or resurfacing operations as shown in the Contract Documents.

1111.2 REQUIREMENTS

a. Composition. Provide one of the following types of aggregates for surfacing or resurfacing as shown in **TABLE 1111-1**.

b. Quality¹.

- Soundness², minimum (KTMR-21) 0.85
- Wear³, maximum (AASHTO T 96) 45%

¹Crushed aggregates with less than 10% material retained on the No. 4 sieve (excluding mineral filler supplements) must be produced from a source complying with the official quality requirements of this Section prior to crushing.

²The above requirements for soundness do not apply for aggregates having less than 10% material retained on the No. 4 sieve.

³The above requirements for wear do not apply to aggregates having less than 10% material retained on the No. 8 sieve.

c. Product Control.

(1) Size Requirements. Provide aggregate that complies with **TABLE 1111-1**. Determine the fineness modulus in accordance with the procedures listed in Part V, Section 5.10.5-Fineness Modulus of Aggregates (Gradation Factor).

TABLE 1111-1: GRADING REQUIREMENTS FOR AGGREGATES FOR SURFACING OR RESURFACING									
Type	Material	Percent retained-square mesh sieve (Gradings after removal of deleterious substances)							Fineness Modulus
		1 ½"	1"	¾"	3/8"	No. 8	No. 30	No. 200	
SA-1	Sand-gravel		0	0-5	0-20			97-100	4.00 min.*
SA-2	Sand-gravel	0	1-15					97-100	5.00 min.
SA-6	Crushed Stone	0	0-5	5-25	45-100		95-100	97-100	
SA-7	Crushed Stone	0		25-50		85-100		97-100	
SA-X	Crushed Stone		0	0-5	35-65		95-100	97-100	

*For fineness modulus less than 4.00 but greater than 3.75, provide additional materials as a penalty at a rate of 1.5% for each 0.05 less than 4.00 fineness modulus. Use a maximum lot size of 500 cubic yards or tons to determine penalty. Average all tests within the lot to determine penalty.

(2) Deleterious Substances. Do not exceed the following percentages of deleterious substances by weight:

- Clay lumps and friable particles (KT-7) 2.0
- Sticks (wet) (KT-38) 2.0

d. Stockpiling. Stockpile and handle aggregates in such a manner to prevent detrimental degradation and segregation, the incorporation of appreciable amounts of foreign material, and the intermingling of stockpiled materials.

1111.3 TEST METHODS

Test aggregates according to the applicable provisions of **SECTION 1111**.

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1111.4 PREQUALIFICATION

Prequalify aggregate sources according to **subsection 1101.4**.

1111.5 BASIS OF ACCEPTANCE

Aggregates covered by this subsection are accepted based on the procedures described in **subsection 1101.5**.