



SECTION 1004

GRADED AGGREGATE FOR BITUMINOUS SURFACES

1004.1 Scope. This specification covers aggregate to be used in bituminous surfacing.

1004.2 Aggregate. Graded aggregate for bituminous surfaces shall consist of sound, durable rock particles, free from objectionable coatings. When tested in accordance with AASHTO T 96, the percentage of wear shall not exceed 55.

1004.2.1 The percentage of deleterious substances shall not exceed the following values and the sum of percentages of all deleterious substances shall not exceed 8.0 percent.

Deleterious Material	Percent by Weight (Mass)
Deleterious Rock	8.0
Mud Balls and Shale Combined	2.0
Clay, uniformly dispersed	3.0
Other Foreign Material	0.5

1004.2.2 Crushed stone shall be obtained from rock of uniform quality. Rock from individual ledges and gravel tested for initial source approval shall have a maximum absorption of 4.5 percent in accordance with AASHTO T 85.

1004.3 The aggregate shall be in accordance with the following requirements for the grade specified in the contract. If grade is not specified, any listed grade may be used.

		Percent Passing						
		Sieve Size						
Grade	Type of Material	3/4 in.	1/2 in.	3/8 in.	#4	#8	#30	#200
		19.0 mm	12.5 mm	9.5 mm	4.75 mm	2.36 mm	600 μm	75 μm
1	Crushed Stone or Porphyry	100	95 – 100	65 – 95	20 – 55	2 – 20	....	0 – 5
2	Gravel	100	95 – 100	....	40 – 80	15 – 50	0 – 30	0 – 5
3	Chat	100	95 – 100	....	45 – 85	30 – 60	0 – 30	0 – 5