



**SECTION 1003**

**AGGREGATE FOR SEAL COATS**

**1003.1 Scope.** This specification covers aggregate to be used for seal coat.

**1003.2 Aggregate.** Aggregate for seal coats shall consist of sound durable rock particles, free from objectionable coatings.

**1003.2.1** When tested in accordance with AASHTO T 96, the percentage of wear shall not exceed 50 percent. The sum of the percentages of all deleterious substances shall not exceed 2.0 percent for Grade A aggregate, 4.0 percent for Grade B or 8.0 percent for Grade C aggregate, and the aggregate shall meet the following criteria:

<b>Property</b>	<b>Grade A1 &amp; A2 Aggregate</b>	<b>Grade B1 &amp; B2 Aggregate</b>	<b>Grade C Aggregate</b>
Deleterious rock, percent by weight, max	2.0	4.0	8.0
Shale, percent by weight, max	0.5	0.75	1.0
Other foreign material, percent by weight, max	0.5	0.5	0.5
Two fractured faces, percent, min	100	100	100
Thin, elongated particles, ASTM D 4791, 5:1, percent, max <sup>a</sup>	10	N/A	N/A
Micro-Deval, AASHTO T 327, percent, max	18	20	N/A

<sup>a</sup>Test material retained on the No. 4 sieve.

**1003.2.2** The aggregate shall be in accordance with the following requirements for the grade specified in the contract:

<b>Sieve Size</b>	<b>Grade A1 Aggregate</b>	<b>Grade A2 Aggregate</b>	<b>Grade B1 Aggregate</b>	<b>Grade B2 Aggregate</b>	<b>Grade C Aggregate</b>
	<b>Percent Passing by Weight</b>				
1/2"	100	100	100	100	100
3/8"	97-100	100	95-100	100	95-100
1/4"	--	97-100	--	95-100	--
No. 4	0-25	--	0-30	--	0-35
No. 8	--	0-30	--	0-30	--
No. 200 <sup>a, b</sup>	0-1.0	0-1.5	0-2	0-2.5	0-2

<sup>a</sup>The percent passing the No. 200 sieve may be increased by 1.0 percent provided the aggregate is pre-coated with bituminous material.

<sup>b</sup>These values may be raised by 0.5% at the destination to account for handling provided the material meets this gradation at the source.

**1003.2.3** Crushed stone shall be obtained from rock of uniform quality. Rock from individual ledges and gravel tested for initial source approval shall meet the following criteria:

<b>Property</b>	<b>Grade A1 &amp; A2 Aggregate</b>	<b>Grade B1 &amp; B2 Aggregate</b>	<b>Grade C Aggregate</b>
Absorption, AASHTO T 85, percent, max	2.0	4.0	4.0

**1003.2.4** Lightweight aggregate shall be in accordance with the following requirements for the grade specified in the contract:

<b>Property</b>	<b>Grade A1 &amp; A2 Aggregate</b>	<b>Grade B1 &amp; B2 Aggregate</b>	<b>Grade C Aggregate</b>
Absorption, ASSHTO T 85, percent, max	n/a	n/a	n/a
Los Angeles Abrasion for Lightweight Aggregate, MoDOT Test Method TM 78, percent, max	50	50	50