

## Section 1003

### Aggregate for Seal Coat

**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:

Property	Grade A Aggregate	Grade B Aggregate	Grade C Aggregate
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 TP 58, percent, max	18	18	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 requirement for the grade specified in the contract:

Sieve Size	Grade A Aggregate Percent Passing by Weight	Grade B Aggregate Percent Passing by Weight	Grade C Aggregate Percent Passing by Weight
½"	100	100	100
3/8"	97-100	95-100	95-100
No. 4	0-12	0-25	0-35
No. 200	0-1.0 <sup>a</sup>	0-2 <sup>a</sup>	0-2 <sup>a</sup>

<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.

**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 A Aggregate</b>	<b>Grade B 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 A Aggregate</b>	<b>Grade B Aggregate</b>	<b>Grade C Aggregate</b>
Absorption, AASHTO T 85, percent, max	N/A	N/A	N/A
Micro-Deval, AASHTO TP 58, percent, max	20	20	N/A
Los Angeles Abrasion for Lightweight Aggregate, MoDOT Test Method TM 78, percent, max	50	50	50