



4210 - SPECIFICATION FOR SEAL COAT AGGREGATE

4210.1 DESCRIPTION

4210.1.1 The work shall consist of crushing and stockpiling seal coat aggregate.

4210.1.2 The following definitions shall apply:

4210.1.2.1 Mean is the arithmetic average of a set of 'n' test results constituting the sample.

4210.1.2.2 Moving Average is the arithmetic mean of 3 consecutive test results.

4210.2 MATERIALS

4210.2.1 Aggregate

4210.2.1.1 Seal coat aggregate shall be composed of sound, hard and durable particles of sand, gravel and rock free from injurious quantities of elongated, soft or flaky particles, shale, loam, clay balls and organic or other deleterious material.

4210.3 CONSTRUCTION

4210.3.1 General

4210.3.1.1 Seal coat aggregate shall comply with the requirements listed in Table 4210.3.T1.

TABLE 4210.3.T1

Sieve Designation	Percent By Weight Passing Canadian Metric Sieve Series					
	Type 94	Type 95	Type 96	Type 117	Type 118	Type 119
16.0 mm	100.0	100.0	100.0	100.0	100.0	100.0
12.5 mm						
9.0 mm						
5.0 mm	0 - 40.0	0 - 40.0	20.0 - 80.0	35.0 - 70.0	25.0 - 65.0	45.0 - 70.0
2.0 mm	0 - 25.0	0 - 25.0	0.0 - 50.0	20.0 - 55.0	10.0 - 45.0	25.0 - 55.0
900 µm	0 - 5.0	0 - 5.0	0.0 - 30.0	0 - 10.0	0 - 6.0	0 - 10.0
71 µm			0.0 - 10.0			
Sand Equivalent	55 Minimum			45 Minimum		
Fractured Faces %	70.0 Minimum			50.0 Minimum		
Lightweight Pieces %	5.0 Maximum					
Lightweight Pieces + All Other Deleterious Material %*	10.0 Maximum					

* Deleterious material includes all other injurious material other than lightweight pieces.

4210.3.1.1.1 A tolerance of 3% in the percent by weight passing the maximum size sieve will be permitted providing 100% of the oversize passes the 18.0 mm sieve for Type 119 aggregate; the 16.0 mm sieve for Types 94, 117 and 118 aggregate; and the 12.5 mm sieve for Types 95 and 96 aggregate.

4210.3.1.2 The following shall apply to Department owned or controlled aggregate sources shown on the Plans or as described in the Special Provisions:

4210.3.1.2.1 Overburden shall be removed from material deposits in accordance with Specification 2260 For Removal Of Overburden.

4210.3.1.2.2 Rock passing a 610 mm square opening screen and larger than the maximum specified size shall be crushed and incorporated simultaneously throughout the crushing operation.

4210.3.1.2.3 Stockpiles shall be constructed in accordance with Specification 3600 For Stockpiling Aggregates. The aggregate shall not be interim stockpiled.

4210.3.2 Processing

4210.3.2.1 For the production of Types 94, 95 and 96 seal coat aggregate, the raw aggregate shall be screened over a maximum 9.0 mm square opening screen or a 5.0 mm slotted screen prior to crushing. This screening will not be paid for directly but will be considered as a subsidiary obligation of the Contractor under this Specification.

4210.3.2.1.1 The aggregate shall be processed from the material retained on the screen used.

4210.3.2.2 Seal coat aggregate production shall comply with the following requirements:

4210.3.2.2.1 The Contractor shall cease operations if the Moving Average for any sieve does not comply with the specified requirements listed in Table 4210.3.T1.

4210.3.2.2.1.1 Failure to cease operations shall subject all subsequent materials to the requirements of General Provision 1400.7 (Unacceptable and Unauthorized Work).

4210.3.2.2.2 Upon recommencement of operations, the specified requirements shall be met on each of the initial 2 tests prior to the Department accepting any product.

4210.3.2.2.3 Frequency of testing will be at the discretion of the Engineer.

4210.4 MEASUREMENT

4210.4.1 Seal coat aggregate will be measured in tonnes.

4210.5 PAYMENT

4210.5.1 Payment for Seal Coat Aggregate will be at the contract unit price per tonne. The unit price will be full compensation for completing the work except for those activities for which specific provision for payment is made in this section.

4210.5.2 If the Contract includes a bid item for:

4210.5.2.1 Removal Of Overburden; payment will be made in accordance with Specification 2260 For Removal Of Overburden.

4210.5.2.2 Hauling Aggregate; payment will be made in accordance with Specification 2405 For Hauling On The Basis Of The Kilometre.