



**4180 - SPECIFICATION FOR ASPHALT MAT ON SUBGRADE AGGREGATE**

**4180 - 1 DESCRIPTION**

1.01 The work shall consist of crushed aggregate placed in a stockpile.

**4180 - 2 MATERIALS**

2.01 The aggregate shall be composed of fragments of durable rock free from undesirable quantities of soft or flaky particles, shale, loam, and organic or other deleterious materials.

2.02 The aggregate shall comply with one (1) or more of the following gradation requirements as specified:

Nominal Sieve Opening	Percent By Weight Passing Canadian Metric Sieve Series		
	Type		
	120	121	122
25.0 mm	100	-	-
18.0 mm	78 - 100	100	-
16.0 mm	-	-	100
12.5 mm	-	80 - 100	-
9.0 mm	55 - 84	-	75 - 100
5.0 mm	38 - 68	45 - 75	50 - 80
2.0 mm	23 - 49	28 - 55	30 - 60
900 µm	14 - 33	19 - 38	23 - 42
400 µm	10 - 24	14 - 28	15 - 30
160 µm	-	7 - 16	8 - 18
71 µm	4 - 14	5 - 10	7 - 11

2.03 To comply with the gradation requirements above, the Engineer may designate that binder, filler, or blender sand be added at the crushing plant using a separate conveyor system. Type 120 will not be accepted unless permitted by the special provisions.

**4180 - 3 CONSTRUCTION**

3.01 Overburden shall be removed from material deposits in accordance with the requirements for Removal of Overburden (Specification 2260).

3.02 Binder, filler, or blender sand will be provided in accordance with the requirements for Binder, Filler and Blender Sand (Specification 3400).

3.03 All rock passing a one hundred and sixty (160) millimetre square opening screen and larger than the maximum specified size shall be crushed. Only rotary, shaker, and vibratory screens having square openings not larger than the maximum specified size will be permitted.

3.04 Materials shall be handled in a manner such that segregation of the coarser and finer fractions will not occur.

- 3.05 Stockpiles of Asphalt Mat on Subgrade Aggregate shall be constructed in accordance with the requirements for Stockpiling Aggregates (Specification 3600).
- 3.06 The Contractor shall be responsible for erecting and maintaining signs in accordance with *the Department's standard plans for signing and the requirements* for Traffic Accommodation (Specification 8400).

#### **4180 - 4 MEASUREMENT**

- 4.01 Asphalt Mat on Subgrade Aggregate will be measured in tonnes.

#### **4180 - 5 PAYMENT**

- 5.01 Payment for ASPHALT MAT ON SUBGRADE AGGREGATE will be at the contract unit price per tonne. The unit price will be full compensation for excavating, crushing, screening, loading, and dumping the aggregate; *preparing the stockpile site(s), and for constructing the stockpile(s)*.
- 5.02 Payment for HAULING ASPHALT MAT ON SUBGRADE AGGREGATE TO THE STOCKPILE will be at the contract unit price per tonne kilometre in accordance with the requirements for Haul On The Basis Of The Kilometre (Specification 2405). The unit price will be full compensation for hauling aggregate.
- 5.03 Payment for ASPHALT MAT ON SUBGRADE AGGREGATE IN PLACE IN THE STOCKPILE will be at the contract unit price per tonne. The unit price will be full compensation for excavating, crushing, screening, loading, hauling, and dumping the aggregate; *preparing the stockpile site(s)* and for constructing the stockpile(s).
- 5.04 *Payment for binder, filler, or blender sand will be in accordance with the requirements for Binder, Filler and Blender Sand (Specification 3400).*
- 5.05 Payment for removing overburden will be in accordance with the requirements for Removal of Overburden (Specification 2260) except that removing overburden will not be paid for directly, but will be considered a subsidiary obligation of the Contractor under other contract items, if surfacing aggregate(s) are removed from the same material deposit *for placement on the road* under the same contract.