

## 8600 – SPECIFICATION FOR THE ORDERING AND HANDLING OF ASPHALT

### 8600.1 DESCRIPTION

- 8600.1.1 This Specification describes the terms and conditions applicable to the ordering, handling, and storing of asphalt supplied by the Ministry.
- 8600.1.2 For the purpose of this Specification, the following definitions will apply:
- 8600.1.2.1 Delivery Code is the number assigned to each delivery point.
- 8600.1.2.2 Supplier is the party awarded a contract for the supply of asphalt to the Project.
- 8600.1.2.3 Travel Time is the distance in kilometres along the most direct highway route from the point of supply to the point of delivery, divided by 80 km/h.

### 8600.2 ORDERING OF ASPHALT

- 8600.2.1 The Ministry will advise of the name of the Supplier and will provide one or more telephone numbers, one of which may be for facsimile transmission, at which the Supplier may be contacted 24 hours per day, 7 days per week to place and cancel orders.
- 8600.2.2 The Contractor shall order asphalt directly from the Supplier. Orders may be placed by telephone, e-mail, in writing, or by facsimile.
- 8600.2.3 Orders shall indicate the Delivery Code.
- 8600.2.4 The Contractor shall arrange with the Supplier the quantity of asphalt to be delivered, and the time and points of delivery.
- 8600.2.5 Orders requiring next day delivery shall be placed with the Supplier not later than 11:00 a.m., the preceding day, Monday through Friday.
- 8600.2.6 Orders requiring delivery on a Monday which is not a Holiday shall be placed with the Supplier not later than 5:00 p.m. on the preceding Friday.
- 8600.2.7 Orders requiring delivery on a Monday which is a Holiday shall be placed with the Supplier not later than 11:00 a.m. on the preceding Friday.

8600.2.8 Orders which do not comply with the above requirements will be handled by the Supplier as expeditiously as possible, subject to previous commitments being satisfied.

8600.2.9 Orders may be cancelled by telephone, e-mail, in writing, or by facsimile. Notice shall be given at least 4 hours plus Travel Time before the time specified for delivery. If a time for delivery is not specified, notice shall be given by 8:00 p.m. on the day prior to the delivery.

### 8600.3 HANDLING OF ASPHALT

8600.3.1 The Contractor shall unload the asphalt from the delivery vehicle at the Contractor's plant, storage tanks, or distributor.

8600.3.2 The temperature of asphalt materials measured at the time of unloading, shall be within the ranges shown in the following table:

| PRODUCT TYPE        |                                                                            | TEMPERATURE °C |      |
|---------------------|----------------------------------------------------------------------------|----------------|------|
|                     |                                                                            | Min.           | Max. |
| ASPHALT CEMENTS     | 150-200A                                                                   | 120            | 175  |
|                     | 200-300A                                                                   | 115            | 175  |
|                     | 300-400A                                                                   | 110            | 175  |
|                     | 400-500A                                                                   | 105            | 175  |
|                     | 200-300B                                                                   | 115            | 175  |
|                     | 300-400B                                                                   | 110            | 175  |
| CUTBACK ASPHALTS    | RC-30, MC-30                                                               | 20             | 55   |
|                     | RC-70, MC-70, SC-70                                                        | 40             | 75   |
|                     | RC-250, MC-250, SC-250                                                     | 65             | 100  |
|                     | RC-800, MC-800, SC-800                                                     | 80             | 120  |
|                     | RC-3000, MC-3000, SC-3000                                                  | 95             | 130  |
| EMULSIFIED ASPHALTS | <b>High Float Sealing Grades</b><br>HF100S, HF150S, HF250S, HF350S, HFRS-2 | 55             | 80   |
|                     | <b>High Float Mixing Grades</b><br>HF500M, HF1000M                         | 15             | 80   |
|                     | <b>High Float High Residue Mixing Grades</b>                               | 70             | 90   |
|                     | <b>High Float Polymer Modified Grades</b><br>HF100P, HF150P                | 55             | 80   |
|                     | <b>High Float Recycling Grades</b><br>HF20R, HF100R, HF700R                | 15             | 80   |

| PRODUCT TYPE               |                                                                 | TEMPERATURE °C |      |
|----------------------------|-----------------------------------------------------------------|----------------|------|
|                            |                                                                 | Min.           | Max. |
| <b>EMULSIFIED ASPHALTS</b> | <b>Emulsified Primers</b><br>IEP-1                              | 50             | 80   |
|                            | <b>Anionic Slow Setting Grades</b><br>SS-1, SS-1(slurry), SS-1h | 15             | 60   |
|                            | <b>Anionic Medium Setting Grades</b><br>MS-1                    | 15             | 60   |
|                            | MS-2                                                            | 35             | 80   |
|                            | <b>Anionic Rapid Setting Grades</b><br>RS-1                     | 15             | 60   |
|                            | RS-2                                                            | 35             | 80   |
|                            | <b>Cationic Rapid Setting Grades</b><br>CRS-1                   | 15             | 60   |
|                            | CRS-2                                                           | 35             | 80   |
|                            | <b>Dust Laying Grades</b><br>DLE-15                             | 15             | 60   |
|                            |                                                                 |                |      |
|                            |                                                                 |                |      |
|                            |                                                                 |                |      |

8600.3.3 If asphalt is delivered at a temperature less than the minimum temperature or greater than the maximum temperature specified for the particular product supplied, the Contractor may reject the product.

8600.3.4 The Contractor shall obtain a representative and uncontaminated sample from each load of asphalt that is delivered to the Project site in the presence of the Engineer.

8600.3.4.1 The sample shall be obtained in accordance with STP 102 for Sampling Asphalt Materials.

8600.3.4.2 The Engineer will provide the approved containers.

8600.3.5 The Contractor shall ensure that asphalt is not contaminated by faulty handling or storage.

8600.3.6 If the Contractor is unable to accept asphalt which the Contractor has ordered, whether such inability arises by reason of inclement weather, poor work scheduling, or breakdown of the Contractor's equipment, the Contractor shall reimburse the Ministry for the transportation charges which the Ministry is obliged to pay to the Supplier.

8600.3.7 If surplus asphalt exists at the completion of a Project and the asphalt is not contaminated due to handling or storage, and no additives were incorporated, the asphalt may be returned to the Supplier or may be considered as waste material and disposed of as directed by the Engineer. The cost of returning the asphalt to the Supplier or disposing of the asphalt as directed by the Engineer shall be paid by the Contractor.

#### **8600.4 DEMURRAGE AND NURSING**

8600.4.1 The Contractor shall reimburse the Ministry for demurrage charges which the Ministry is obliged to pay to the Supplier. Charges shall be made for demurrage which exceeds 1.5 hours from the latter of the time the load arrives and is ready for unloading or from the requested delivery time if so specified by the Contractor.

8600.4.1.1 Demurrage time will be measured to the nearest 0.25 hour.

8600.4.2 The Contractor shall reimburse the Ministry for nursing charges which the Ministry is obliged to pay to the Supplier in accordance with Specification SMM 104 in the Specifications For Manufactured Materials Manual.

#### **8600.5 PARTIAL LOADS**

8600.5.1 Shipments of asphalt will be considered as a partial load if the quantity of asphalt ordered by the Contractor is:

8600.5.1.1 less than the net capacity of the delivery vehicle, and

8600.5.1.2 less than the maximum net weight of the vehicle permitted by law.

8600.5.2 The Contractor shall reimburse the Ministry for the additional transportation charges for partial loads which the Ministry is obliged to pay to the Supplier except when the partial load is the final shipment of asphalt at the completion of a Project, plant set, or a construction season.