

## ITEM 310

### PRIME COAT (Cutback Asphaltic Material)

**310.1. Description.** This Item shall govern for the application of asphaltic material on the completed base course and/or other approved areas in accordance with these specifications.

**310.2. Materials.** The asphaltic material used for the prime coat shall be a cutback asphalt of the type and grade shown on the plans and shall meet the requirements of Item 300, "Asphalts, Oils and Emulsions".

**310.3. Construction Methods.** Prime coat shall not be applied when the air temperature is below 15 °C and falling, but it may be applied when the air temperature is above 10 °C and is rising, the air temperature being taken in the shade and away from artificial heat. Asphaltic material shall not be placed when general weather conditions, in the opinion of the Engineer, are not suitable.

When, in the opinion of the Engineer, the area and/or base is satisfactory to receive the prime coat, the surface shall be prepared by sweeping or other approved methods. If found necessary by the Engineer, the surface shall be lightly sprinkled just prior to application of the asphaltic material.

The asphaltic material shall be applied on the prepared surface by an approved self-propelled pressure distributor so operated as to distribute the material at the rate directed by the Engineer, evenly and smoothly, under a pressure necessary for proper distribution.

The Contractor shall provide all necessary facilities and equipment for determining the temperature of the asphaltic material in all of the heating equipment and in the distributor, for determining the rate at which it is applied, and for securing uniformity at the junction of two (2) distributor loads.

The distributor tank, when used for pay purposes, shall have been calibrated within three (3) years from the date it is first used on this project. The tank calibration procedure shall be in accordance with Test Method Tex-922-K, Part I, and shall be signed and sealed by a registered professional engineer. Unless otherwise shown on the plans, the Contractor shall provide the tank calibration and shall furnish the Engineer an accurate and satisfactory calibration record prior to beginning the work. The Engineer may at any time verify calibration accuracy in accordance with Test Method Tex-922-K, Part II, and may perform the required recalibration if the calibration is found to be in error.

No traffic, hauling or placing of any subsequent courses shall be permitted over the freshly applied prime coat until authorized by the Engineer.

The Contractor shall be responsible for the maintenance of the surface until the work is accepted by the Engineer.

All equipment used in storing or handling asphaltic material shall be kept clean and in good operating condition at all times and shall be operated in such manner that there will be no contamination of the asphaltic material. When the asphaltic material is stored in a storage tank unit equipped with a heater, the Contractor shall provide and maintain a recording thermometer to continuously indicate the asphaltic material temperature.

The Engineer will select the temperature of application within the limits recommended in Item 300, "Asphalts, Oils and Emulsions". The Contractor shall apply the asphalt at a temperature within 8 °C of the temperature selected.

**310.4. Measurement.** This Item will be measured at the point of delivery on the road by the liters of asphaltic material at the applied temperature. The quantity to be measured for payment shall be the number of liters used, as directed, of the accepted prime coat.

**310.5. Payment.** The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Asphaltic Material", of the type and grade specified. This price shall be full compensation for cleaning the area to be primed; for furnishing all required materials; for all heating, hauling, mixing and distributing the asphaltic material as specified; for all freight involved; and for all manipulation, labor, tools, equipment and incidentals necessary to complete the work.