

ITEM 310

PRIME COAT/SEALER

- 310.1 Description. This Item shall govern the application of asphaltic material on the completed subgrade, base course or other designated area in accordance with these Standard Specifications.
- 310.2 Materials. Use material of the type and grade shown on the plans in accordance with Item 300 "Asphalts, Oils, and Emulsions" of the Texas Department of Transportation's "Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges", Latest Edition. The asphaltic material shall be tested in accordance with ASTM D2027.
- 310.3 Construction Methods. Apply the prime coat when the air temperature is at least 60°F or above 50°F and rising. Measure the air temperature in the shade away from artificial heat. The Engineer will determine when weather conditions are suitable for application.

When, in the opinion of the Engineer, the subgrade or base is satisfactory to receive the prime coat, the surface shall be cleaned by sweeping or other approved methods. The surface shall be lightly sprinkled just prior to application of the asphaltic material, if the Engineer deems it necessary. The asphaltic material shall be applied on the clean surface by an approved type of self-propelled distributor that distributes the material in the quantity specified, evenly and smoothly under pressure necessary for proper distribution. The Contractor shall provide all necessary facilities for:

- determining the temperature of the asphaltic material in all of the heating equipment and in the distributor,
- determining the application rate and for securing uniformity at the junction of two distributor loads.

The distributor shall have been recently calibrated and the Engineer shall be furnished an accurate and satisfactory record of such calibration. If, after beginning the work, the yield on the asphaltic material appears to be in error, the distributor shall be recalibrated in a manner satisfactory to the Engineer before proceeding with the work.

All storage tanks, piping, retorts, booster tanks and distributors used in storing or handling asphalt shall be kept clean and in good operating conditions at all times and shall be operated in such manner that there will be no contamination of the asphaltic material with foreign material. It shall be the responsibility for the Contractor to provide and maintain in good working order, a recording thermometer at the storage heating unit at all times. Prime coat shall be applied within the recommended temperature range as designated in Table 19 of TxDOT's Item 300, and at a rate designated in the bid item description.

- 310.4 Measurement. The asphaltic material for prime coat will be measured at the point of delivery on the road, in gallons, at the applied temperature. The method of measurement shall be strapping before and after application. “Strapping” a distributor is a method of measuring the amount of asphalt that is in a distributor with a strapping stick that is supplied by the manufacturer and calibrated to a specific unit.
- 310.5 Payment. The work performed and materials furnished as prescribed by this Item and measured as provided under “Measurement” will be paid for at the unit price bid for "Prime Coat", which price shall be full compensation for cleaning the surface to be coated, and for furnishing, heating, hauling and distributing the asphalt as specified; for all freight involved; and for all manipulation, labor, tools, equipment and incidentals necessary to complete the work.

There are line code(s), description(s), and unit(s) for this Item.

END OF ITEM 310