

## ITEM 310

### PRIME COAT/SEALER

310.1 Description. This item shall consist of an application of asphaltic material on the completed base course and/or other approved area in accordance with these specifications.

Prime coat shall not be applied when the air temperature is below 60o F and falling, but may be applied when the air temperature is above 50o F and is rising, the air temperature being taken in the shade and away from artificial heat. Asphaltic materials shall not be placed when general weather conditions, in the opinion of the Engineer, are not suitable.

310.2 Materials. The asphaltic material used for prime coat shall be MC-30, applied at the rate of 0.25 - 0.35 gallons per square yard.

The MC-30 shall conform to the requirements of Item 300, "Asphalts, Oil and Emulsions", contained in the Texas Department of Transportation's "Standard Specifications for Construction of Highways, Streets and Bridges", 1993 Edition. Testing of the asphaltic material shall be in accordance with ASTM Designation D2027.

310.3 Construction Methods. When in the opinion of the Engineer, the area and/or base is satisfactory to receive the prime coat, the surface shall be cleaned 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 clean surface by an approved type of self-propelled distributor, so operated as to distribute 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, for determining the rate at which it is applied 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. After beginning the work, should the yield on the asphaltic material appear to be in error, the distributor shall be calibrated 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. The MC-30 shall be applied at a temperature of between 100° - 150° F.

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.

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 area and/or base; 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.

END OF ITEM 310