

## ITEM 324

### SEAL COAT

324.1 Description. This application shall consist of a surface treatment composed of a single application of asphalt, covered with aggregate, for the sealing of existing pavements.

Seal coats shall not be applied when the air temperature is below 60° F. and is falling, but may be applied when the air temperature is above 50° F. and is rising; the air temperature being taken in the shade and away from artificial heat. Seal coats shall not be applied when the temperature of the roadway is below 60° F. Asphaltic material shall not be placed when general weather conditions in the opinion of the Engineer, are not suitable.

324.2 Materials. The asphaltic material used shall be AC-10 and shall meet the requirements of the Item, "Asphalts, Oils and Emulsions", as published in the Texas Department of Transportation's "Standard Specifications for Construction of Highways, Streets and Bridges", 1993 Edition. The material shall be applied at an approximate rate of 0.35 gallons per square yard.

Aggregate shall meet the requirements of the Item, Single Course Surface Treatment.

324.3 Construction Methods. The area to be treated shall be cleaned of dirt, dust or other deleterious matter by sweeping or other approved methods. If found necessary by the Engineer, the surface shall be lightly sprinkled, just prior to the application of asphaltic material. Asphaltic material shall be applied on the cleaned surface by an approved type of self-propelled pressure distributor so operated as to distribute the material in the quantity specified evenly and smoothly, under a 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 asphaltic material appear to be in error, the distributor shall be calibrated in a manner satisfactory to the Engineer before proceeding with the work.

Asphaltic material may be applied for the full width of the seal coat in one application. Asphaltic material shall not be applied until immediate covering with the aggregate is assured.

Aggregate shall be immediately and uniformly applied and spread by an approved self-propelled continuous feed aggregate spreader, unless otherwise shown on the plans or authorized by the Engineer in writing.  
The aggregate shall be applied at the rate directed by the Engineer.

The entire surface shall be broomed, bladed, or raked, as required by the Engineer and shall be thoroughly rolled with the type or types of rollers specified.

The Contractor shall be responsible for the maintenance of the surface until the work is accepted by the Engineer. All holes or failures in the seal coat surface shall be repaired by use of additional asphalt and aggregate and all fat or bleeding surfaces shall be covered with approved cover material in such a manner that the asphaltic material will not adhere to or be picked up on the wheels of vehicles.

Temporary stockpiling of aggregates on roadway will be permitted provided the stockpiles are spaced not less than 1,000 feet apart and are so placed that they neither obstruct traffic nor interfere with roadway drainage. The Contractor shall be responsible for the proper preparation of all stockpile areas before aggregates are placed thereon, including leveling and cleaning of debris necessary for protection of the aggregate to prevent any contamination thereof.

All storage tanks, piping, retorts, booster tanks and distributors used in storing or handling asphaltic material shall be kept clean and in good operation condition at all times and they shall be operated in such manner that there will be no contamination of the asphalt with foreign material. It shall be the responsibility of the contractor to provide and maintain in good working order a recording thermometer at the storage heating unit at all times.

The Engineer will select the temperature of application that will permit application at the asphalt within the limits recommended in the THD Item 300, "Asphalts, Oils and Emulsions".

The Contractor shall load, haul, distribute and apply the stockpiled aggregate and clean up all stockpiles.

324.4 Measurement. Asphaltic material will be measured at the point of application on the road, in **gallons** at the applied temperature. The quantity to be paid for shall be the number of gallons used, as directed, in the accepted seal coat.

Aggregate shall be measured by the **ton** of 2,000 pounds, dry weight.

324.5 Payment. The work performed and the materials furnished as prescribed by this item and measured as provided for under measurement will be paid for at the unit price bid for asphalt and the unit price bid for aggregate, of the type and grade specified, which price shall be full compensation for cleaning and sprinkling the existing surface; for furnishing, preparing, hauling and placing all materials; for all freight involved and for all manipulation, labor, tools, equipment and incidentals necessary to complete the work, including rolling.

END OF ITEM 324