

Subsection 4.28 Prime Coat

I. Scope: The Contractor will prepare and treat existing or newly constructed surface with a bituminous material. Apply blotter material as required.

II. Materials

A.Bituminous: Use material of the type and grade shown on the plans in accordance with Subsection 4.23, "Asphalts, Oils, and Emulsions."

B.Blotter: Unless otherwise shown on the plans or approved, use either base course sweepings obtained from cleaning the base or native sand as blotter materials.

III. Equipment: Provide applicable equipment in accordance with Subsection 4.25, "Equipment for Asphalt Concrete Paving."

IV. Construction

A.General: Apply the mixture when the air temperature is 60°F and above, or above 50°F and rising. Measure the air temperature in the shade away from artificial heat. The ODR will determine when weather conditions are suitable for application. Do not permit traffic, hauling, or placement of subsequent courses over freshly constructed prime coats. Maintain the primed surface until placement of subsequent courses or acceptance of the work.

B.Surface Preparation: Prepare the surface by sweeping or other approved methods. When directed, before applying bituminous material, lightly sprinkle the surface with water to control dust and ensure absorption.

C.Application

1. Bituminous: Apply bituminous mixture at a rate of 0.20 to 0.40 gallons per square yard as directed . The ODR or Engineer will select the application temperature within the limits recommended in Section 4.23, "Asphalts, Oils, and Emulsions." Distribute the material smoothly and evenly that covers the area uniformly at the rate selected by the ODR. Subsequent courses will not be applied until the prime has completely broken.

2. Blotter: Spread blotter material before allowing traffic to use a primed surface. Apply blotter to spot locations or as directed to accommodate traffic movement through the work area. Remove blotter material before placing the surface. Dispose of blotter material according to applicable state and federal requirements.

D. Maintenance: If the primed surface has accumulated an unsatisfactory amount of dust, the base material shall be either re-primed or a tack coat applied.

Approval needs to be given by ODR before mix can be placed. Maintain the primed surface until placement of subsequent courses or acceptance of the work.

V. Measurement: This Subsection will be measured by the gallon of bituminous material placed and accepted.

VI. Payment: The work performed and materials furnished in accordance with this Item will be paid for by unit price of "Prime" for the type and grade of bituminous material specified . This price is full compensation for cleaning and sprinkling the area to be primed; materials, including blotter material; and rolling, equipment, labor, tools, and incidentals.

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