

Division 8: Liquid Asphalt Coat

- 8.01 SCOPE:** This work shall consist of preparing and treating the existing asphalt concrete surface with asphalt material (tack coat) in accordance with these Specifications and at the locations shown on the construction plans.
- 8.02 MATERIALS:** Liquid asphalt coat shall consist of an asphalt emulsion and shall conform to the provisions of ASTM D-8 and the following provisions:
- A. Asphalt materials will be purchased on the basis of volume at 60° F. Tank trucks or trailers used to transport asphalt materials shall be equipped with a sampling device. This device shall have an inside diameter of ½" to 1" gate-type valve which shall be built into the tank, with a recirculating or discharge line in such a manner that a sample can be drawn during circulation or discharge. All asphalt materials which are to be stored must be placed in storage tanks that are free from contamination.
 - B. Asphalt materials for the tack coat shall conform with the applicable sections of VDOT Road and Bridge Specifications 211.02(b) and (f) for coating ability and asphalt emulsions respectively and to the VDOT Special Provision dated December 13, 1989 Section 313.02.
- 8.03 EXECUTION:** Liquid Asphalt Coat used as a tack coat between an existing asphalt concrete base and the surface courses shall be applied in accordance with the following provisions:
- A. Equipment for heating and applying asphalt material shall conform to VDOT Section 318.04. The maximum application temperature shall conform to Table III-1 pg. 332 of the VDOT Road and Bridge Specifications.
 - B. The existing surface shall be patched, cleaned, and rendered free of irregularities to the extent necessary to provide a smooth and uniform surface. The edges of existing pavement shall be cleaned to permit the adhesion of asphalt materials.
 - C. Tack coat shall not be applied during wet or cold weather or after sunset. It shall be applied in such a manner as to offer the least inconvenience to traffic and to permit one-way traffic without tracking the material.
 - D. Tack coat shall be applied as per VDOT Special Provision dated December 13, 1989 Section 313.03.
 - E. During application, care shall be taken to prevent splattering adjacent areas. The distributor shall not be cleaned or discharged into ditches.
- 8.04 MEASUREMENT AND PAYMENT:** Liquid Asphalt Coat used as a tack coat will not be measured for payment. The cost for furnishing and applying liquid asphalt material shall be considered incidental to the price per ton for asphalt concrete surface course. The use of a Liquid Asphalt prime coat is not considered necessary if, in the opinion of the Engineer, the subbase is sufficiently moist and well compacted to enhance adhesion of the base. Corrective measures must be taken by the Contractor at no additional cost to the City to ensure proper subbase preparation.