

SECTION 460—BITUMINOUS TACK COAT

460.1 DESCRIPTION—This work is the conditioning and treating of an existing surface with an application of bituminous bonding material.

460.2 MATERIAL—

(a) **Bituminous Material.** Emulsified Asphalt, Class AE-T, [Section 702](#). Submit a certificate to the Representative indicating the asphalt residue content of the material being used.

(b) **Fine Aggregate (For Blotting).** [Section 703.1](#)

460.3 CONSTRUCTION—

(a) **Conditioning Existing Surface.** [Section 401.3\(g\)](#), except delete bituminous painting of existing surfaces.

(b) **Application of Bituminous Material.** Use a distributor designed, equipped, calibrated, maintained, and operated to uniformly apply material on surfaces with varying widths and up to 4.6 m (15 feet) wide. Provide a distributor capable of maintaining a uniform distributing pressure and controlling the application rate within a tolerance of 0.09 L/m² (0.02 gallon per square yard). Provide a distributor equipped with a tachometer, pressure gauges, accurate volume-measuring devices or a calibrated tank, a thermometer for measuring temperatures of tank contents, a power-operated pump, and full circulation spray bars with lateral and vertical adjustments.

The Contractor may use hand-spraying equipment in areas inaccessible to the distributor.

Determine the distributor's application rate in the field according to [PTM No. 747](#).

Apply emulsified asphalt tack coat, at a rate approved by the Representative, to leave a uniform asphalt residue from 0.09L/m² (0.02 gallon per square yard) to 0.32 L/m² (0.07 gallon per square yard) on the treated surface, as directed. Obtain approval of the application rate. Apply the tack coat only when the air temperature is 4 °C (40F) and rising and when the existing surface is dry. Uniformly distribute the tack coat over the surface and as directed.

Uniformly distribute the tack coat at the junction of adjacent applications.

Correct all uncoated or lightly coated areas to the Representative's satisfaction. At designated locations, correct areas with an excess of bituminous material by covering the area with sufficient dry fine aggregate to blot up or remove excess tack coat.

Allow the tack coat to cure, without being disturbed, until the Inspector-in-Charge determines the water has completely separated and evaporated.

(c) **Protection of Treated Surface.** Maintain and protect the treated surface against damage. Repair damaged areas to the Representative's satisfaction before placing succeeding construction.

460.4 MEASUREMENT AND PAYMENT—

(a) **Area Basis.** Square Meter (Square Yard)

(b) **Material Used Basis.** Liter (Gallon)