

ITEM 407.10----07 - COLD RECYCLING EMULSION

DESCRIPTION

Under this work the Contractor shall furnish and place bituminous material of the type and quantity specified on the plans or in the specifications.

MATERIALS

All bituminous material proposed for use on Department projects shall be approved by the Director, Materials Bureau.

CONSTRUCTION DETAILS

The construction details for the application of bituminous materials specified in 405.0201--07 will apply.

METHOD OF MEASUREMENT

The quantity to be measured for payment will be in liters of bituminous material incorporated in work, measured at 16°C to the nearest liter. The following formulas will be used to calculate material quantity at 16°C:

Asphalt Emulsion:

$$\text{Volume}_{16^{\circ}\text{C}} = \text{Volume}_{\text{D}} \times [1 - (\Delta\text{T} \times 0.00045)]$$

$$\begin{aligned} \Delta\text{T} &= \text{Delivered Temperature } (^{\circ}\text{C}) - 16 \\ \text{Volume}_{\text{D}} &= \text{Quantity Delivered (liters)} \end{aligned}$$

PG Binder:

$$\text{Volume}_{16^{\circ}\text{C}} = \text{Volume}_{\text{D}} \times [1 - (\Delta\text{T} \times 0.00063)]$$

$$\begin{aligned} \Delta\text{T} &= \text{Delivered Temperature } (^{\circ}\text{C}) - 16 \\ \text{Volume}_{\text{D}} &= \text{Quantity Delivered (liters)} \end{aligned}$$

BASIS OF PAYMENT

The unit price bid per liter for bituminous material used shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

Payment will be made under:

Item No.	Item	Pay Unit
407.10----07	Cold Recycling Emulsion	Liter