

## Material Calculations

Based on 1,000 sy @ 18 pounds per square yard, 11.8% emulsion, 1% cement.

Overall square yards = Length of pull (900) X width of lane (10) ÷ 9 = total square yards (1000)

How to figure poundage for an area,

Total square yards (1000) X desired application rate (18 pounds) = 18,000 pounds of stone.

To figure tons take pounds of stone (18,000) ÷ 2000 = 9 Tons.

How to figure emulsion,

Take figured pounds (18000) X emulsion % (11.8) = 2,124 pounds of emulsion

To figure gallons take pounds of emulsion (2124) ÷ weight of emulsion per gallon (8.47) = 250 gallons.

How to figure cement,

Take figured pounds of stone (18,000) X cement % (1) = 180 pounds of cement.

### How to spot check.

Take reading on counters. (All counters rock, emulsion, and cement show weight in pounds.)

Figure up square yards in your spot check (1,000).

Rock – If rock counter reads 18,000, take 18,000 ÷ square yards figured in spot (1000) = 18 pounds per square yard.

Emulsion – If emulsion counter reads 2,124, take 2,124 ÷ your rock count (18000) = .118 or 11.8%.

Cement – If cement counter reads 180, take 180 ÷ your rock count (18000) = .01 or 1%.