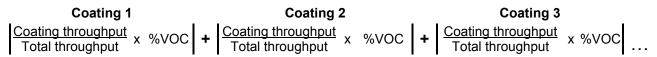
Calculating Weighted Average %VOC and Density

The MAERS A-101 form requires that you enter a weighted VOC % and density if you use several different coatings covered under the same source classification code (SCC). Use this worksheet to determine the weighted average VOC % and density of two or more coatings used at an emission unit covered under the same SCC on the A-101 form.

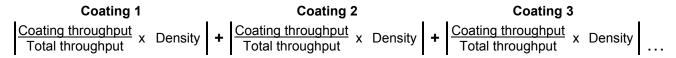
Complete the following fields for all components of the coating mixture.

Name of Coating	Coating Throughput (gal/yr)	VOC (% by wt)	Density (lbs/gal)
Coating 1:			
Coating 2:			
Coating 3:			
Coating 4:			
Coating 5:			
Total Throughput (lbs/gal):			

Weighted Average VOC % by wt =



Weighted Average Density =



EXAMPLE

Calculating Weighted Average %VOC

The MAERS A-101 form requires that you enter a weighted VOC % and density if you use several different coatings covered under the same source classification code (SCC). Use this worksheet to determine the weighted average VOC % and density of two or more coatings used at an emission unit covered under the same SCC on the A-101 form.

Complete the following fields for all components of the coating mixture.

Coating Throughput (gal/yr)	VOC (% by wt)	Density (lbs/gal)
500	60	8.1
230	53	7.8
90	99	7.5
	Throughput (gal/yr) 500 230	Throughput (% by wt) 500 60 230 53

Total Throughput (lbs/gal): 820

Weighted Average VOC % by wt =

$$[(500/820) \times (60)] + [(230/820) \times (53)] + [(90/820) \times (99)]$$

36.59 + 14.87 + 10.87 = 62.33

62.33% VOC is the weighted average. Enter "62.33" in the VOC content field on the A-101 form

Weighted Average Density =

$$[(500/820) \times (8.1)] + [(230/820) \times (7.8)] + [(90/820) \times (7.5)]$$

4.93 + 2.19 + 0.82 = 7.94

7.94 Ibs/gal is the weighted average density. Enter "7.94" in the density field on the A-101 form