



# Opti-Coat™ Worksheet

The amount of **Opti-Coat™** utilized should be a minimum of 0.05 lbs/ft<sup>2</sup> of filter cloth area.

Bag dimensions - 4 1/2 inches diameter by 100" length (be sure to convert feet to inches). The number of bags used in this example compartment is 520.

The formula for calculating the square feet of cloth area is explained in the following example:

### Your Application

**Step 1.**

$$4.5 \text{ in} \times 3.14 = 14.13 \text{ in}^2$$

(diameter) ( $\pi$ )

**Step 2.**

$$14.13 \times 100 = 1,413 \text{ in}^2$$

(circum) x (length)

**Step 3.**

$$\frac{1,413 \text{ in}^2}{144} = 9.8 \text{ ft}^2$$

**Step 4.**

$$520 \text{ bags} \times 9.8 \text{ ft}^2 = 5,096 \text{ ft}^2 \text{ of filter area}$$

**Step 5.**

$$5,096 \text{ ft}^2 \text{ of filter area} \times 0.05 \text{ lbs of Opti-Coat /ft}^2 \text{ of filter area} = 255 \text{ lbs. of Opti-Coat.}$$

\*Round to the nearest pound (in this example, 255 pounds).

**FORMULA:**

**Step 1:** \_\_\_\_\_ in. x 3.14 = \_\_\_\_\_  
(diameter) ( $\pi$ ) (circum)

**Step 2:** \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ in<sup>2</sup>  
(circum) (length)

**Step 3:** \_\_\_\_\_ in<sup>2</sup> = \_\_\_\_\_ ft<sup>2</sup>  
144

**Step 4:** \_\_\_\_\_ bags x \_\_\_\_\_ ft<sup>2</sup> =  
\_\_\_\_\_ ft<sup>2</sup> filter area

**Step 5:** \_\_\_\_\_ ft<sup>2</sup> x 0.05 lb/ ft<sup>2</sup> = lbs **Opti-Coat**

**CUSTOMER:** \_\_\_\_\_

**APPLICATION:** \_\_\_\_\_