

Accuflex Estimating Guide

Coating Coverage Calculation

The coverage rate required for a particular job will be stated in mil thickness of the coating, or square foot coverage per gallon of liquid. The following is a guide:

	<u>Thickness</u>	<u>Coverage (Sq.Ft./Gal.)</u>	<u>Thickness</u>	<u>Coverage (Sq.Ft./Gal.)</u>
½ inch	500 mils	3.2	20 mils	80.2
¼ inch	250 mils	6.4	16 mils	100.2
1/8 in.	125 mils	12.8	10 mils	160.4
1/16 in.	62.5 mils	25.6	8 mils	200.5
	50 mils	32.1	5 mils	320.8
	30 mils	53.5	1 mil	1604.0

Volume Calculation for Filling Holes, Joints and Spalled Concrete

The volume of Accuflex required to fill a void is based upon the following:

- There are 231 cu.in. per gallon of Accuflex
- There are 1728 cu.in. per cubic foot, or approximately 7.5 gallons per cubic foot
- A gallon of dry sand weighs approximately 13 lbs. and adds approximately 0.6 gallons to the liquid measure when combined with Accuflex. 20 lbs. of sand adds approximately one gallon of liquid measure when combined with Accuflex.
- Up to 40 pounds of sand can be added to a 1-gallon mixture of Accuflex giving you three gallons of fill material. When mixed at this ratio you will have a very thick trowelable consistency. Sand with high variance in size of particles is recommended for strength.
- For lightly spalled areas consider thinning up to 10% with MEK/Toulol @ 50/50 to improve the self-leveling flow of the liquid.

Square foot coverage of one gallon of mixed Accuflex when being used to fill holes, joints and spalled concrete is displayed below. The "Thickness" is the average thickness and with any mixture you can effectively feather out to 5 mils thick.

<u>Thickness</u>	<u>Thinned 10%</u>	<u>Straight Accuflex</u>	<u>50% Sand Mixture</u>	<u>100% Sand Mixture</u>	<u>150% Sand Mixture</u>	<u>200% Sand Mixture</u>
1/16 in.	28.1 sq.ft.	25.6 sq.ft.	----	----	----	----
1/8 in.	14.0 sq.ft.	12.8 sq.ft.	----	----	----	----
¼ in.	7.0 sq.ft.	6.4 sq.ft.	9.6 sq.ft.	----	----	----
½ in.	----	3.2 sq.ft.	4.8 sq.ft.	6.4 sq.ft.	----	----
1 in.	----	1.6 sq.ft.	2.4 sq.ft.	3.2 sq.ft.	2.4 sq.ft.	3.2 sq.ft.
2 in.	----	0.8 sq.ft.	1.2 sq.ft.	1.6 sq.ft.	1.2 sq.ft.	1.6 sq.ft.

When adding dry sand or other aggregates to Accuflex you extend the quantities and significantly reduce the overall cost. A table showing various mixtures follows:

<u>Sand Added</u>	<u>Accuflex</u>	<u>Sand</u>	<u>Effective Volume</u>	<u>Accuflex Liquid to Total Volume Pct.</u>
50%	1 Gallon	10 lbs.	1.5 Gallons	67%
100%	1 Gallon	20 lbs.	2.0 Gallons	50%
150%	1 Gallon	30 lbs.	2.5 Gallons	40%
200%	1 Gallon	40 lbs.	3.0 Gallons	33%