

IFS Powder Coatings Film Coverage

Theoretical powder coverage is calculated as follows:

$192.3 / (\text{specific gravity} \times \text{film thickness}) = \text{square feet per pound with dry film thickness (DFT) in mils}$

For example, if specific gravity is 1.45 with a film thickness of 1.2 the square feet per pound is:

$192.3 / (1.45 \times 1.2) = 110.5$

If specific gravity is 1.6 with a film thickness of 2.5 the square feet per pound is:

$192.3 / (1.6 \times 2.5) = 48.1$

Please see the below chart for more theoretical coverage examples:

		Film Thickness											
		0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.5	3.0	3.5	4.0
Specify Gravity	1.2	267.1	200.3	160.3	133.5	114.5	100.2	89.0	80.1	64.1	53.4	45.8	40.1
	1.25	256.4	192.3	153.8	128.2	109.9	96.2	85.5	76.9	61.5	51.3	44.0	38.5
	1.3	246.5	184.9	147.9	123.3	105.7	92.5	82.2	74.0	59.2	49.3	42.3	37.0
	1.35	237.4	178.1	142.4	118.7	101.7	89.0	79.1	71.2	57.0	47.5	40.7	35.6
	1.4	228.9	171.7	137.4	114.5	98.1	85.8	76.3	68.7	54.9	45.8	39.2	34.3
	1.45	221.0	165.8	132.6	110.5	94.7	82.9	73.7	66.3	53.0	44.2	37.9	33.2
	1.5	213.7	160.3	128.2	106.8	91.6	80.1	71.2	64.1	51.3	42.7	36.6	32.1
	1.55	206.8	155.1	124.1	103.4	88.6	77.5	68.9	62.0	49.6	41.4	35.4	31.0
	1.6	200.3	150.2	120.2	100.2	85.8	75.1	66.8	60.1	48.1	40.1	34.3	30.0
	1.65	194.2	145.7	116.5	97.1	83.2	72.8	64.7	58.3	46.6	38.8	33.3	29.1
	1.7	188.5	141.4	113.1	94.3	80.8	70.7	62.8	56.6	45.2	37.7	32.3	28.3
	1.75	183.1	137.4	109.9	91.6	78.5	68.7	61.0	54.9	44.0	36.6	31.4	27.5
	1.8	178.1	133.5	106.8	89.9	76.3	66.8	59.4	53.4	42.7	35.6	30.5	26.7

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