

**THEORETIC POWDER COATING COVERAGE CHART FOR TIGER PRODUCTS
(IMPERIAL SYSTEM)**

In square feet per lb of surface to be coated (ft²/lb)

specific gravity in grams per cubic centimeter (g/cm ³)	film thickness in mils									
	1 mil	2 mil	3 mils	4 mils	5 mils	6 mils	7 mils	8 mils	9 mils	10 mils
1.0	193.2	96.6	64.4	48.3	38.6	32.2	27.6	24.2	21.5	19.3
1.1	175.6	87.8	58.5	43.9	35.1	29.3	25.1	22.0	19.5	17.6
1.2	161.0	80.5	53.7	40.3	32.2	26.8	23.0	20.1	17.9	16.1
1.3	148.6	74.3	49.5	37.2	29.7	24.8	21.2	18.6	16.5	14.9
1.4	138.0	69.0	46.0	34.5	27.6	23.0	19.7	17.3	15.3	13.8
1.5	128.8	64.4	42.9	32.2	25.8	21.5	18.4	16.1	14.3	12.9
1.6	120.8	60.4	40.3	30.2	24.2	20.1	17.3	15.1	13.4	12.1
1.7	113.6	56.8	37.9	28.4	22.7	18.9	16.2	14.2	12.6	11.4
1.8	107.3	53.7	35.8	26.8	21.5	17.9	15.3	13.4	11.9	10.7
1.9	101.7	50.9	33.9	25.4	20.3	17.0	14.5	12.7	11.3	10.2
2.0	96.6	48.3	32.2	24.2	19.3	16.1	13.8	12.1	10.7	9.7

tabular values in ft²/lb

Theoretical yield values not found in the above table may be calculated using the following formula:

$$\frac{193.2}{(\text{specific gravity}) \times (\text{film thickness})} = \text{theoretical yield in ft}^2/\text{lb}$$

Below some of the variables that may account for a difference between theoretical and actual yield:

- powder coating loss during the process of cleaning the booth, hoses, application equipment and fluid mixer
- powder coating loss through recycling in cyclone equipment
- unrecycled overspray
- variation in film thickness on the coated parts
- variable surface roughness (e.g. sandblasted parts)

Certified according to
ISO 9001 | 14001

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