APPLICATION GUIDELINES

Theoretic Powder Coating Coverage Chart (Imperial)

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THEORETICAL YIELD OF TIGER DRYLAC® POWDER COATINGS

in [sq.ft.] of surface to be coated per [lb] of powder.

Specific Gravity [g/cm³]	FILM THICKNESS									
	1 mil 25 µm	2 mil 50 µm	3 mils 75 µm	4 mils 100 µm	5 mils 125 µm	6 mils 150 µm	7 mils 175 µm	8 mils 200µm	9 mils 225 µm	10 mils 250 µm
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

Values in [sq.ft. / lb]

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

$$\frac{193.2}{\text{(Specific Gravity) x (Film Thickness)}} = \text{Theoretical Yield in [sq.ft. / lb]}$$

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

- Powder loss in the process of cleaning the booth, hoses, application equipment and fluid mixer
- Powder loss through recycling in cyclone equipment
- Un-recycled overspray
- Variation in film thickness of coated parts
- Variable surface roughness (e.g. sandblasted parts)

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