TIGER Drylac U.S.A., Inc. | 3865 Swenson Avenue | St.Charles, IL | T 800 243 8148 | F 877 926 8148 | office.us@tiger-coatings.us | www.tiger-coatings.us

THEORETIC TIGER Drylac® POWDER COATINGS COVERAGE CHART (METRIC)

In m² of surface to be coated per kg of powder coating.

Specific gravity (g/cm3)	Film thickness in µm									
	25 µm	50 µm	75 µm	100 µm	125 µm	150 µm	175 µm	200 µm	225 µm	250 µm
1.0	40.0	20.0	13.3	10.0	8.0	6.7	5.7	5.0	4.4	4.0
1.1	36.4	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6
1.2	33.3	16.7	11.1	8.3	6.7	5.6	4.8	4.2	3.7	3.3
1.3	30.8	15.4	10.3	7.7	6.2	5.1	4.4	3.8	3.4	3.1
1.4	28.6	14.3	9.5	7.1	5.7	4.8	4.1	3.6	3.2	2.9
1.5	26.7	13.3	8.9	6.7	5.3	4.4	3.8	3.3	3.0	2.7
1.6	25.0	12.5	8.3	6.3	5.0	4.2	3.6	3.1	2.8	2.5
1.7	23.5	11.8	7.8	5.9	4.7	3.9	3.4	2.9	2.6	2.4
1.8	22.2	11.1	7.4	5.6	4.4	3.7	3.2	2.8	2.5	2.2
1.9	21.1	10.5	7.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1
2.0	20.0	10.0	6.7	5.0	4.0	3.3	2.9	2.5	2.2	2.0

Tabular values in m²/kg

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

$$\frac{\textbf{1.000}}{\textbf{(specific gravity) x (film thickness)}} = \textbf{theoretical yield in m}^2\textbf{/kg}$$

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

TIGER Drylac U.S.A., Inc.
3855 Swenson Avenue
St.Charles, IL 60174, USA
T 800 243 8148
F 877 926 8148
E office.us@tiger-coatings.us
W www.tiger-coatings.us