



## THEORETIC TIGER Drylac® POWDER COATINGS COVERAGE CHART (METRIC)

In m<sup>2</sup> of surface to be coated per kg of powder coating.

| Specific gravity (g/cm <sup>3</sup> ) | 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 m<sup>2</sup>/kg

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

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

**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).

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