

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

In square meter per kilogram of surface to be powder coated (m²/kg).

| specific gravity in grams per cubic centimeter (g/cm ³) | film thickness in microns (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:

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

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)

Certified according to
ISO 9001 | 14001

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