

# THEORETICAL YIELD OF TIGER Drylac® POWDER COATINGS

IN [m<sup>2</sup>] OF SURFACE TO BE COATED / [kg] OF POWDER

Density [g/cm <sup>3</sup> ]	Film Thickness in [μm]									
	20	40	60	80	100	120	140	160	180	200
1.0	50.0	25.0	17.0	12.5	10.0	8.3	7.1	6.3	5.5	5.0
1.1	45.4	22.7	15.1	11.3	9.0	7.6	6.5	5.6	5.0	4.5
1.2	41.6	20.8	13.8	10.4	8.3	6.9	5.9	5.2	4.6	4.1
1.3	38.5	19.2	12.8	9.6	7.7	6.4	5.5	4.8	4.2	3.8
1.4	35.7	17.8	11.9	8.9	7.1	5.9	5.1	4.5	3.9	3.5
1.5	33.3	16.6	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3
1.6	31.2	15.6	10.4	7.8	6.2	5.2	4.4	3.9	3.5	3.1
1.7	29.4	14.7	9.8	7.3	5.9	4.9	4.2	3.7	3.2	2.9
1.8	27.7	13.8	9.2	6.9	5.5	4.6	3.9	3.5	3.0	2.7
1.9	26.3	13.2	8.7	6.6	5.2	4.4	3.7	3.2	2.9	2.6
2.0	25.0	12.5	8.3	6.2	5.0	4.2	3.6	3.1	2.7	2.5

Tabular value in [m<sup>2</sup>] / [kg]

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

$$\frac{1000}{\text{Specific Gravity} \times \text{Film Thickness}} = \text{Theoretische Ergiebigkeit in m}^2/\text{kg}$$

There 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)

Our verbal and written recommendations for the use of our products are based upon experience and in accordance with present technological standards. These are given in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of our products for the intended application. We warrant that our products are free of flaws and defects to the extent as stipulated in our Terms of Delivery and Payment.

As a part of our product information program each of our Product Data Sheets are periodically updated, so that the latest version shall prevail. Therefore, please visit the download area of [www.tiger-coatings.com](http://www.tiger-coatings.com) to make sure you have the most current version. The information in our Product Data Sheets is subject to change without notification.

This Product Data Sheet substitutes any and all previous Product Data Sheets and notes for customers published on this subject matter and is only intended to give a general product overview. Please request specific information for products outside of our standard product list (latest version).

The Technical Information Sheets and the Terms of Delivery and Payment each in their latest version, available as a download at [www.tiger-coatings.com](http://www.tiger-coatings.com), form an integral part of this Product Data Sheet.

certified according to  
EN ISO 9001 / 14001



**TIGER Coatings GmbH & Co. KG**

Negrellistrasse 36 | 4600 Wels | Austria

T +43 / (0)7242 / 400-0

F +43 / (0)7242 / 650 08

E [powdercoatings@tiger-coatings.com](mailto:powdercoatings@tiger-coatings.com)

W [www.tiger-coatings.com](http://www.tiger-coatings.com)

Theoretical Yield