



Drylac®

**Anti Graffiti
Series 44**

A powder coating for easy cleaning of façade components, surface suitable for removal of typical spray paint used for graffiti.

Based on Polyester.

TIGER Drylac® U.S.A., Inc.

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Typical applications

Noise Reduction Paneling
Underground Railway Construction
Metal Facades
As Clear top-coat for weather
resistant powder coatings

Features

- This special powder coating allows for easy cleaning
- Good weather resistance
- Very smooth flow
- Good storage stability

Finish | Colors

- Smooth flow-glossy 80-95*

44/00018 Clear

44/10008 White RAL 9010

44/80019 Black RAL 9005

- Please check with order desk for availability of more colors.

Standard Packaging

55 [lb] / 44 [lb] boxes
and 5.0 [lb] Minipack

25 [kg] / 20 [kg] cartons
and 2.5 [kg] Minipack

Specific Gravity (ASTM D792)

approx. 1.2 – 1.6
depending on pigmentation

Theoretical Coverage

at specific gravity 1.5 and film thickness
of 2.5 [mils] / 60 [µm]:

51.5 [sq ft/lb] / 11.1 [m²/kg]

*(also please refer to data sheets
4001 & 4002 in the latest edition)*

Storage Stability

6 months
at no more than 77 °[F] / 25 °[C]

*Gloss level acc. to ASTM 523 / 60° angle.



Pretreatment (alternatives)

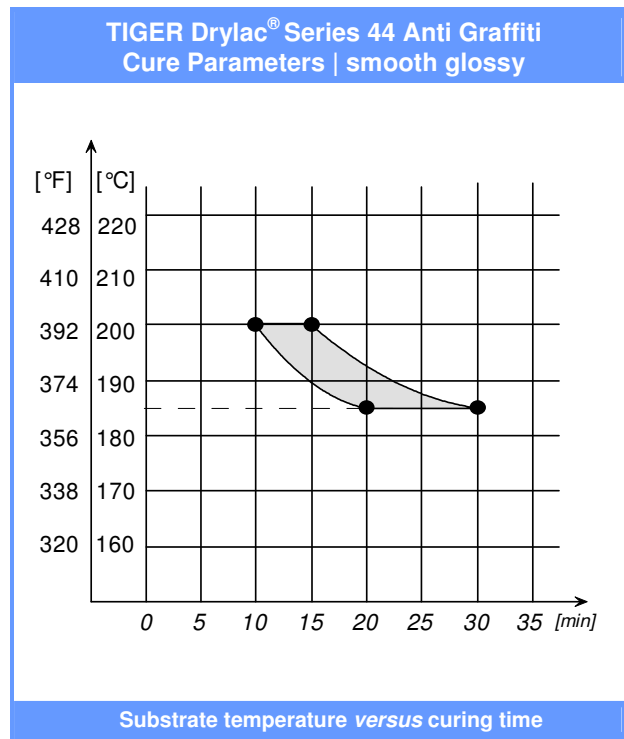
The following table reflects the common methods of pretreatment with regards to various substrates and applications. In selecting the proper type of pretreatment please observe the suitability of the type of powder coating for a desired application according to the guidelines on page one of this Product Data Sheet.

	Aluminum	Galvanized Steel	Steel
Degreasing	○	○	○
1) Chromating	○	○	○
2) Anodizing	○	○	○
2) Chrome free	○	○	○
Iron Phosphating			○
Zinc Phosphating		○	○
Blasting		○	○
3) Sweeping		○	○
	I E A	I E A S	I E S ⁴⁾

- I** interior
- E** exterior
- A** architectural
- S** steel construction

- ¹⁾ acc. to ASTM B 449
- ²⁾ acc. AAMA 2603-02 quality and test regulations
- ³⁾ only for zinc coated parts >45 [µm] / >1.8 [mils]
- ⁴⁾ for a two-coat process / TIGER Shield

Cure parameters (substrate temperature)



Please observe cure parameters closely since mechanical properties will develop before full cross-linking.

Processing

Corona

Tribo*

For Tribo / Airstatic Powders please confirm before ordering. Suitability of metallic effects for tribo processing must be verified prior to application. Please consult with the appropriate data sheets in the latest edition.

Since not all powder coatings are suitable for recycling / reclaim, please verify before ordering.

Cleaning process

Bulk Stripper 870GC* manufactured by BULK Chemicals Inc. was chosen as the cleaner. The cleaning process included the following steps:

- Application of the liquid cleaner with brush
- Waiting approx. five minutes for the cleaner to act
- Loosening the paint with the brush
- Removing the solvent solution and the paint remnants with a soft absorbent cloth
- Rinsing off the remaining solvent with water
- Drying the surface with a soft absorbent cloth

* **Bulk Chemicals Inc.**
1074 Stinson Drive • Reading • PA • 19605
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Please note

For metallic products please observe TIGER Drylac® „Application guidelines for metallic effect powder coatings“ in the latest edition.

Top coating with a clear exterior grade powder coating over an interior grade powder coating does not produce a weather resistant coating system.

Post-bending properties of any part must be verified prior to application. Minor cracks in the coated surface may lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface must be ph-neutral and free of substances which may damage the finish. Prior to coating, a suitability test at the applicator is therefore highly recommended.

Please note that generally colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Read and understand the Material Safety Datasheet (MSDS) before using.

Test results

Checked on iron phosphated steel test panel Bonderite B-1000 or equivalent. Cure conditions according to the cure curves. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

Test result	Test method	Series 44 Anti Graffiti smooth glossy
Film thickness		2.5 – 3.5 [mils] 60 – 80 [µm]
Gloss– 60[°]	ASTM D523	80 – 90+
Cross cut tape test	ASTM D3359 Method B	5B
Mandrel bending test	ASTM D522	≤ 3 [mm] ≤ 1/8 [inches]
Impact test 80 [in/lb.]	ASTM D2794	no appearance of cracks
Pencil hardness	ASTM B3363	4H (minimum)
Humidity resistance 500 [h]	ASTM D2247	Max. undercutting 1 [mm] No blistering
Salt spray resistance 500 [h]	ASTM B117	Max. undercutting 1 [mm] No blistering

Cleaning recommendations: Please refer to our data sheet in the latest edition.



Chemical resistance

The required chemical resistance of a powder coating depends among other things on its formulation. Chemical resistance requirements therefore must be considered according to processing conditions and final use of the finished product. This is best already established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

As a part of our product information program our product data sheets are periodically updated. Therefore, please check our website for the latest edition. 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.

This product data sheet substitutes any and all previous product data sheet and notes for customers published on this subject matter.



Member of the Powder Coating Institute

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