

Metallic surface finishes for exterior and interior applications

This color chart combines popular exterior and interior **Metallic** 2nd generation bonded metallic powder coatings, designed with the designer, the coater and the OEM in mind.

Metallic; **TIGER Drylac**® 2nd generation bonded metallic surface finishes are entirely manufactured in-house using an advanced proprietary technology 2nd generation bonding process that imparts advanced quality and a high degree of color consistency during the application process.

Metallic 2nd generation bonded metallic surface finishes offer unique benefits including batch-to-batch consistency, recyclability, uniform and flawless finish, higher first pass transfer efficiency and lower gun settings leading to less equipment wear. With **Metallic** there is no need for special equipment during application, no dry spray, clouding, stripping or picture framing and most importantly, particles do not segregate during transportation and storage.

For a proper application of **Metallic** 2nd generation bonded metallic surface finishes, it is recommended to carefully read the "Guidelines for application of metallic powder coatings" and adhere to its contents. This document is downloadable from TIGER's website.

Surface finishes designed for **exterior applications** are also suitable for interior applications. Surface finishes designed for **interior applications (Series 09, Series 69)** do not offer adequate UV resistance and, therefore, are not suitable for exterior applications. Applying a clear top coat over a surface for interior application will not increase its UV resistance.

Antique/vein

Polyester/epoxy and polyester-based textured metallic surface finishes (also known as antique or vein) in **TIGER Drylac**® **Series 09** and **Series 49** are a simple solution to hide uneven surfaces. They are easy to maintain and add visual dimensional layers to objects that otherwise show no texture. While antique/vein surface finishes in **Series 09** require a clear top coat to increase durability and chemical resistance, in **Series 49** they do not require a clear top coat for neither exterior nor interior applications.

Glitter

Polyester-based surface finishes containing sparkling metallic flakes suspended in a clear coat. They can be applied over any base coat color, and provide a high range of effects by just changing the base coat color. The **Twilight** version, **TIGER Drylac**® **49/00390** provides multiple-color sparkles to add delight and cheerfulness to any color.

Iron glimmer

Polyester-based smooth and fine textured surface finishes provide a metallic look while containing little or no metallic pigments. They are ideal for one-coat finishing solutions.

Brilliant reflective

Brilliant reflective surface finishes such as **Mirror Silver**, **TIGER Drylac**® **49/91260**, **Chrome OGF**, **TIGER Drylac**® **49/91312** and **Kromezone**, **TIGER Drylac**® **49/95001** are high performance surface finishes. The extreme brilliance of this type of surface finishes relies on the high flow and good smoothness of the base powder coating and the perfect alignment of the metallic particles at the surface. Cleanliness of the substrate before application is very critical. Any substrate surface imperfections as well as impurities and metal shaving will be very visible. Substrate surface impurities will appear as noticeable protrusions. These surface finishes require a clear top coat in order to protect the thin layer of aluminum flakes.

Pearlescent

Polyester-based surface finishes containing mica pigments offer reflective metallic values reminiscent of natural pearls. They provide luster and shine.

Outgassing forgiving (OGF) properties

OGF powder coatings are developed for casting, hot galvanized and forged steel, aluminum flame-sprayed and other porous and outgassing prone substrates such as fired clay and ceramics. It is possible to customize any **Metallic** 2nd generation metallic surface finish in an OGF formulation. Alternatively, OGF additives can be added to any **TIGER Drylac**® powder coating. However, for large volumes, it is recommended to produce the powder coating in an OGF formulation on a custom-basis.

Metallic 2nd generation bonded metallic surface finishes exhibited in this color chart include:

interior applications	Epoxy/polyester (hybrid)	Series 09
	Epoxy	Series 69
interior and exterior (non-architectural) applications	Polyester TGIC	Series 39
		Series 49
	Polyester TGIC super durable	Series 38

TIGER WORLDWIDE NETWORK



Metallics & Special Effects metallic and special effect powder coatings | Volume 1



High performance special effect finishes for exterior and interior applications

This color chart displays a collection of several lines of special effect finishes intended to provide a distinctive surface appearance while protecting the substrate from corrosion and other elements.

Anodized effect is a line of super durable polyester TGIC-free AAMA 2604-compliant powder coatings developed to emulate anodized finishes. The finishes are formulated for aluminum extrusions, cast pieces and other ferrous and non ferrous substrates. They are suitable for Corona and Tribo application equipment.

Candy transparent is a range of transparent finishes with a candy effect. Colors shown in this chart are representative of coatings on aluminum substrates. Substrates such as steel, chrome and brushed aluminum are also suitable for top coating with this finish. To achieve an equal finish with other substrates, it is recommended to use a shiny metallic effect as basecoat, such as **TIGER Drylac**® **Mirror Silver 49/91260**, **TIGER Drylac**® **Kromezone 49/95001**, **TIGER Drylac**® **Chrome OGF 49/91312** and **TIGER Drylac**® **Sparkle Silver 49/90450**. Candy transparent finishes are suitable for Corona and Tribo application equipment. **Candy transparent finishes provide limited hiding and have limited UV stability.**

Designer finish is a line developed with furniture and lighting designers in mind. These finishes provide a classical look in two and three-tone colors and textures simulating the oxidation of copper, natural rocks and stones. They are suitable for Corona application equipment.

Dormant transparent flamboyant finishes are obtained through the application of two coats. The effect will only evolve after the application of a clear top coat. Swatches in this chart were top-coated with **TIGER Drylac**® **Bengal Clear Glossy 49/01234**. Additional eye-catching finishes can be achieved by using other **TIGER Drylac**® clear coats and clear glitters such as **TIGER Drylac**® **Silver 49/00320** and **TIGER Drylac**® **Twilight 49/00390**. These finishes are suitable for Corona application equipment. Best inter-coat adhesion is achieved by applying the basecoat using Corona and the clear top coat using Tribo equipment.

Fluorescent finishes are available as one-coat or two-coat systems. In a two-coat system, the fluorescent powder coating must be applied over a smooth high gloss **TIGER Drylac**® **White Basecoat 49/11000**. To achieve a custom-look, the fluorescent finish can also be applied over **TIGER Drylac**® **Mirror Silver 49/91260**, **TIGER Drylac**® **Kromezone 49/95001** or **TIGER Drylac**® **Sparkle Silver 49/90450**. Fluorescent finishes are suitable for Corona and Tribo application equipment. **One-coat fluorescent finishes provide limited hiding. One-coat and two-coat fluorescent finishes have limited UV stability.**

Hammertone finishes look as if the surface was textured with a ball-peen hammer. The undulated contrast created by the underlying base color adds ambiguity to the finish. To obtain an adequate film thickness in the valleys of the texture, minimum film thickness guidelines must be observed. Hammertone finishes are suitable for Corona application equipment.

TIGER Drylac® standard and custom-colors in Series 39 and Series 49; made in the USA, Canada and Mexico, are periodically re-certified and carry the UL (Underwriter Laboratory) Recognized Component Mark (Spec DTOV2.MH27573).

Special effects powder coatings in this color chart include

interior and exterior (non-architectural) applications	Polyester TGIC	Series 39
	Polyester urethane	Series 44
	Polyester TGIC	Series 49
exterior (architectural) applications	Polyester TGIC-free Super Durable	Series 61



Underwriters Laboratories Inc. (UL) Recognition.

Disclaimer

Color swatches featured in this color chart have been matched to color standards at a **45-degree visual angle under a D65 Daylight** primary source. RAL numbers are matched as approximate as possible to the RAL Standards. Gloss level on metallic and fine textured swatches cannot be accurately measured.

The swatches are to be considered as an indication only. In practice, discrepancy between the color swatch and the actual powder coating may arise. This is due to paper and ink limitations, the influence of light and heat during the color chart production, as well as gloss level, substrate, surface variations, binder systems and pigments, coating thickness and cure oven conditions used during application.

For an accurate color and finish assessment, it is recommended to obtain a powder coated sample panel from **TIGER Drylac**®.

Please contact **TIGER Drylac**® for more information if using the following products found in this chart in a two-coat system consisting of a primer or e-coat base coat.

contact details available at
tiger-coatings.com



US/Canada: 1 (800) 243-8148
Mexico: 01 (800) 368-4437



METALLICS



Metallics

- ** To increase durability and chemical resistance, TIGER Drylac® recommends the application of a clear top coat for interior and exterior applications.
- ** To enhance the depth of the finish, TIGER Drylac® suggests the application of a clear top coat.
- *** Due to semi transparency of the product, the opacity of the color and finish will depend upon the substrate type and the film thickness. A film below 2.8 mils will exhibit limited hiding.

Special Effects

- ▲ Candy transparent and one-coat fluorescent finishes provide limited hiding. Candy transparent and fluorescent finishes have limited UV stability.
- ▲▲ Two-coat dormant transparent system. Applied as basecoat and top coated with a clear glossy top coat | Recommended clear top coats for interior and exterior: Clear Flat Matte epoxy 69/00300 | Clear Satin polyester TGIC 49/00280 | Clear Glossy polyester TGIC 49/00530 | Bengal Clear Glossy polyester TGIC 49/01234 | Clear Glossy polyester TGIC super durable 38/00001 | Anti-graffiti Clear Glossy polyester-urethane 44/00018.
- ▲▲▲ Two-coat fluorescent system. Applied over a high gloss smooth White Base Coat 49/11000.

SPECIAL EFFECTS

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ONLINE VERSION: The colors/effects shown here will deviate from the original color/effect due to screen technology.

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