Metalllic surface finishes for exterior and interior applications

High performance special effect finishes for exterior and interior applications

Outstanding sealing (IDSS) properties

The excellent sealing properties of TIGER Drylac® polyester resin makes it possible to achieve a high resistance to salt spray exposure with only a single application. A high level of protection is achieved with a controlled surface finish in the order of 2 to 4 microns thick for maximum protection and long-term durability. Also, the exceptional optical properties and high gloss obtained are free from dangerous chemicals. A two-coat system is recommended for automotive applications when there is a high risk of exposure to harsh environments.

TIGER Drylac® Mirror Silver 49/91260, Mirror Gold 49/91250 and Candy Transparent 49/01234 are provided in a two-coat system. They may be top-coated with a Trafo TIGER Drylac® Kromezone 49/95001 for a one-coat system. Additional eye-catching finishes can be achieved using other TIGER Drylac® powder coatings.

High-performance automotive automotive finishes with the highest level of protection, durability and beauty.

High-performance automotive finishes are available as one-coat or two-coat systems. In a two-coat system, the fluorescent powder coating may arise. This is due to paper and ink limitations, the influence of light and heat during the color chart preparation, and the fact that the swatches are to be considered as an indication only. In practice, there can be a discrepancy between the color swatch and the actual coating. For an accurate color and finish assessment, it is recommended to obtain a powder coated sample panel from your nearest TIGER sales office.

Daylight 45-degree visual angle under a D65 xenon source is recommended for obtaining an accurate color match on a custom-basis.

Outgassing forgiving (OGF) properties

Outgassing properties are determined in a vacuum furnace at 10 Torr for 5 minutes and at 200°C. OGF properties are a measure of the outgassing potential of a powder coating fixing in a vacuum or inert atmosphere. Powder coatings that have very low outgassing values are not likely to outgas during the application process.

For a powder application of TIGER Drylac® polyester resin, it is generally necessary to use the same amount of powder as the amount of powder that is used for application. For a high level of protection, a two-coat system is recommended for automotive applications as the fluorescent surface finishes rely on the high flow and good smoothness of the base powder coating and the perfect alignment of the fluorescent surface finishes requires a clear top coat in order to protect the thin layer of paint. These surface finishes require a clear top coat and are suitable for Corona application equipment. However, for large volumes, it is recommended to produce the powder coating in an OGF formulation by the underlying base color adds ambiguity to the finish. To obtain an adequate film thickness in the valleys of the application equipment.

High-performance automotive finishes are available as one-coat or two-coat systems. In a two-coat system, the fluorescent finish can also be applied over Candy Transparent before the application of a clear top coat using Tribo equipment. 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.

Metallics & Special Effects

Polyester urethane and polyester-based smooth and fine textured surface finishes provide a metallic look while containing little or no metallic pigment. They are suitable for Corona and Tribo application equipment.

Anodized effect finishes are available as one-coat or two-coat systems. The effect will only evolve after the application of a clear top coat. Swatches in this chart were top-coated with Candy Transparent 49/01234.

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These surface finishes require a clear top coat. The following chart illustrates the dry in undercoat system of coating at 200°C.

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**Metallics**

- Chrome OGF: brilliant reflective
- Black Stardust: metallics
- DB 702 Fine Texture Glimmer: brilliant reflective
- Oil Rubbed Bronze Fine Texture: DB 702 Glimmer Silver Gold antique/vein
- Copper Hybrid: Gold Hybrid glimmer smooth
- US 1 Fine Texture Glimmer: P 6 Glimmer
- Epoxy Silver Matte: matte
- Stardust Silver Dark Metallic: glossy
- Brilliant Sparkle Silver: glossy
- Bengal Silver: glossy
- Greco: glossy
- Copper Blast: fine texture
- No-Smudge Silver: glossy

**Special Effects**

- Candy transparent and one-coat fluorescent finishes provide limited hiding. Candy transparent and fluorescent finishes have limited UV stability.
- 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
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Recommended clear top coats for interior

- Clear Flat Matte epoxy 69/00300
- Glossy polyester TGIC 49/01234
- Clear Glossy polyester TGIC super durable 38/00001

- Dormant transparent
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