

TIGER Drylac®  
metallic

powder coatings  
volume 4

 **Drylac®**  
Powder Coatings



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**Colors and textures have been matched as close as possible.** Paper and ink limitations, as well as influence of heat and light, account for differences from actual coatings. To aid in final product selection please contact your local TIGER Drylac office for a powder coated sample panel of the product of your choice.

**Datasheets:** Periodically updated datasheets, showing cure parameters, test results, pretreatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit [www.tiger-coatings.com](http://www.tiger-coatings.com) for the most current edition.

**Important:** Caution must be exercised when working with metallic powder coatings! Guidelines for Application of Metallic Powder Coatings are packed with each box of our metallic powder coatings. They are also available by contacting your nearest TIGER office or downloading from our website (see Application Guidelines for both Metallics and Brilliant Metallics in Products & Applications / General Industry area of our Web site).

**Application Equipment:** Generally Corona equipment is recommended, as very few metallic powder coatings are suitable for Tribo application. Suitability must be verified by the applicator. Metallic Products should be sprayed from fluidized hoppers; box feeders are not recommended.

**Package Size:** All metallic powder coatings are packed in 44 lb. boxes or 5 lb. mini packs.

**More Stocked Metallic Powder Coatings** can be found in our Series 38 Super Durable Polyester, TIGER Specialties and Special Effect charts. For Approved Applicators, additional choices are available in our Architectural Series brochures (Series 75, 58, 29).

**Custom Colors:** Should our vast selection of standard finishes not be exactly what an application calls for, we will be happy to provide custom colors (220 lb. minimum order) with quick 7 to 10 day turn around times.



All (stock and custom) TIGER Drylac Series 39 and Series 49 products, made in the US and Canada are periodically re-certified and carry the UL (Underwriter Laboratory) Recognized Component Mark (Spec DTOV2.MH27573). This UL mark is for all equipment and products intended for the US and Canadian market.

**2nd Generation Bonded Metallics:** TIGER Drylac metallics are bonded with our proprietary state-of-the-art 2nd Generation Bonding process. The bonding of metallic pigments to the base material offers unique advantages over conventional dry blending. This process, though costly, affords an even distribution of pigments for a more uniform finish, overcomes particle segregation during transport and storage, and greatly eases powder application. Plus it changes the metallic powder into a recycling consistent material, suitable for reclaim (see application guidelines for metallic powder coatings).

**RAL Numbers:** All RAL numbers are approximate to the RAL Standard.

**OGF:** Several Out-Gassing Forgiving products are offered in our standard product line. All of our metallic products can be custom made in an "OGF," or out-gassing forgiving formulation, for porous or out-gassing prone substrates, like forged, cast, hot galvanized or aluminum flame-sprayed parts as well as fired clay and ceramic products. Also, an OGF Additive can be purchased to add to any of our powder coatings. For larger quantities however, we recommend producing the color of your choice in an OGF formulation on a custom basis.

# and guidelines

**Legend:** This brochure shows a combination of exterior and interior products. All exterior products are also suitable for interior use. However, interior products (Series 09 and 69) do not offer adequate UV resistance for exterior applications. Please note: A clear top coat will not increase UV resistance. Please see our product number matrix in this brochure for more information.

- We recommend a clear coat for all interior and exterior products marked with this symbol to increase durability and chemical resistance. All other products are one-coat.
- This is a 1-coat product; however we suggest a clear coat to enhance the depth of the finish.

**Silver:** We offer a large selection of interior and exterior, one-coat and two-coat silver and chrome finishes. Clear coats are recommended where indicated by a (red dot). Please consult our product matrix in this brochure for interior vs. exterior suitable product lines/chemistries. A variety of clear coat choices is available (see listing in this brochure).

**Iron Glimmer:** Smooth and fine textured exterior Iron Glimmers have that metallic look, but little or no metallic content, making this product the perfect one coat finishing solution.

**Pearlescent White** offers reflective metallic values, reminiscent of a natural pearl. More pearl effect stock colors can be found in our Series 38 Super Durable color chart.

**Glitter:** We offer Gold, Silver and Twilight Glitter powder coatings, which are sparkling metallic flakes suspended in a clear coat. Twilight Glitter sparkles in many colors. They can be applied over a base coat of any color for a variety of effects.

**Holographic** powder coatings offer a beautiful ever changing range of colors, depending on the angle of viewing. Blue Stardust is a transparent coating with multicolored holographic pigments. Black Stardust is a non-transparent powder with multicolored holographic pigments. We recommend clear coating to give more depth to the finish.

**Antique or Vein powder coatings** are offered as interior Hybrids (Series 09) for which a clear coat is recommended, or as 1-coat exterior grade Polyester.

**Metallic:** Many choices of colors are available as stock products in one and two coat formulations. We recommend clear coating of the Series 09 interior products.

## Clear Coat products available:

|                                     |                         |                         |
|-------------------------------------|-------------------------|-------------------------|
| 38/00001 Clear Glossy               | Super Durable Polyester | (Exterior and Interior) |
| 49/01234 Bengal Clear Glossy        | TGIC Polyester          | (Exterior and Interior) |
| 49/00530 Clear Glossy               | TGIC Polyester          | (Exterior and Interior) |
| 49/00280 Clear Semi-gloss           | TGIC Polyester          | (Exterior and Interior) |
| 16/00030 Clear Matte                | Acrylic Hybrid          | (Exterior and Interior) |
| 44/00003 Anti-graffiti Clear Glossy | Polyester-Urethane      | (Exterior and Interior) |
| 69/00300 Clear Ice Matte            | Epoxy                   | (Interior)              |

## TIGER Drylac U.S.A., Inc. Product Number Matrix

|                  |                       |                                                                                                  |
|------------------|-----------------------|--------------------------------------------------------------------------------------------------|
| <b>Series 09</b> | Interior only         | Polyester-Epoxy Blend (Hybrid)                                                                   |
| <b>Series 16</b> | Exterior and Interior | Acrylic Hybrid                                                                                   |
| <b>Series 29</b> | Exterior and Interior | TGIC-Free Polyester (Architectural Grade)                                                        |
| <b>Series 38</b> | Exterior and Interior | Super Durable Polyester                                                                          |
| <b>Series 39</b> | Exterior and Interior | TGIC Polyester                                                                                   |
| <b>Series 44</b> | Exterior and Interior | Polyester Urethane                                                                               |
| <b>Series 49</b> | Exterior and Interior | TGIC Polyester                                                                                   |
| <b>Series 58</b> | Exterior and Interior | TGIC-Free Super Durable Polyester (Architectural Grade – available to approved applicators only) |
| <b>Series 59</b> | Exterior and Interior | TGIC-Free Polyester                                                                              |
| <b>Series 68</b> | Exterior and Interior | TGIC-Free Super Durable Polyester                                                                |
| <b>Series 69</b> | Interior only         | Epoxy                                                                                            |
| <b>Series 75</b> | Exterior and Interior | Fluoropolymer (Architectural Grade – available to approved applicators only)                     |
| <b>Series 89</b> | Interior only         | Polyester-Epoxy Blend (Hybrid) Low/Fast Cure                                                     |

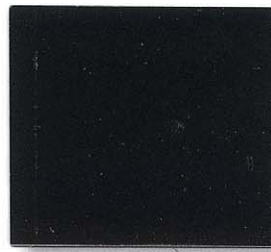


# metallics

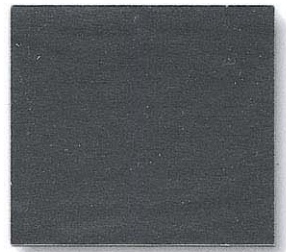
## ■ Silver



■ **RAL 9007 Gloss Silver**  
09/90460 ●



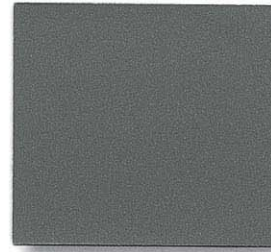
■ **Xtreme Chrome**  
49/90177 ●



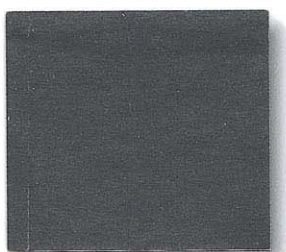
■ **Mirror Silver**  
49/91260 ●



■ **Silver Fine Texture**  
09/90530 ●



■ **Silberdillo**  
49/90201 ●



■ **Chrome OGF**  
49/91312 ●



■ **Marine Silver One Coat**  
38/90010



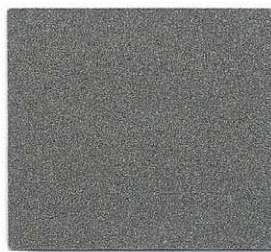
■ **Standard Silver**  
49/90380 ●



■ **Silver Matte One Coat**  
49/92380



■ **Anodized Silver**  
38/91020



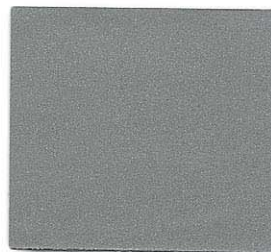
■ **Sparkle Silver**  
49/90450 ●



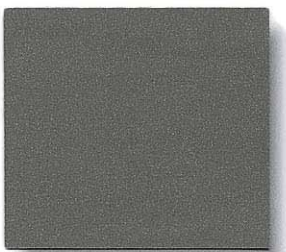
■ **No-Smudge Silver**  
49/92790 ●



■ **Silver**  
39/90000



■ **Silver Matte**  
49/90500 ●

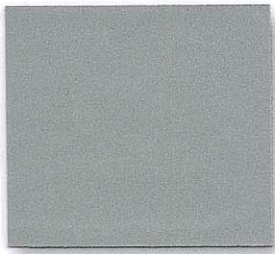


■ **RAL 9007 Silver Gloss**  
49/92880 ●

\*Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.



**■ Iron Glimmer**  
(starts below)



**RAL 9006 Gloss One Coat**  
49/92890



**Epoxy Silver Matte**  
69/91390 ●



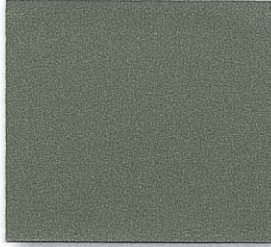
**P 3 Glimmer**  
49/70200



**P 14 Glimmer**  
49/70230



**Silver Gloss One Coat**  
49/92900



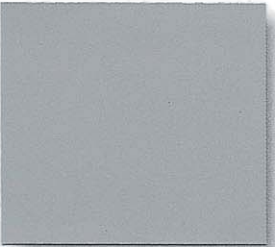
**DB 601 Glimmer**  
49/50100



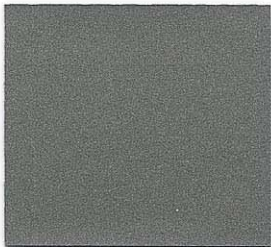
**P 4 Glimmer**  
49/70220



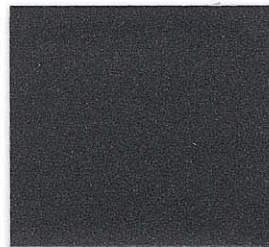
**Terra Fine Texture Glimmer**  
49/60731



**RAL 9006 Matte One Coat**  
49/92910



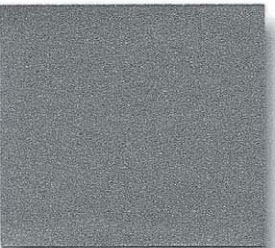
**DB 702 Glimmer**  
49/77790



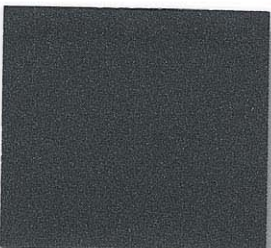
**P 5 Glimmer**  
49/80180



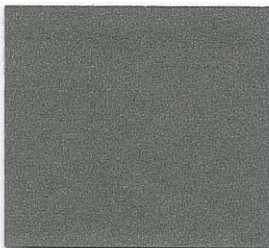
**Anthracite Fine Texture Glimmer**  
49/71334



**Bengal Silver**  
49/99999



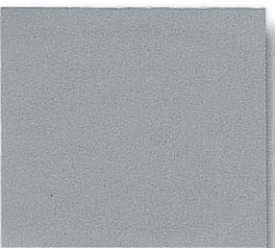
**DB 703 Glimmer**  
49/84340



**P 6 Glimmer**  
49/70210



**US1 Fine Texture Glimmer**  
49/70785



**RAL 9006 One Coat Gloss**  
59/93370



**P 2 Glimmer**  
49/70190



**P 7 Glimmer**  
49/80190



**US2 Fine Texture Glimmer**  
49/70787



■ **Glitter**

■ **Antique/Vein**

■ **Holographic**



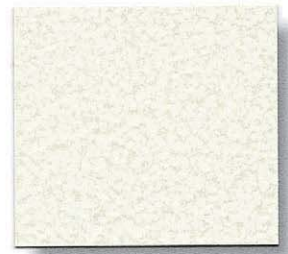
■ **DB 702 Fine Texture Glimmer**  
49/70789



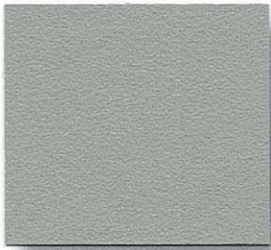
■ **Gold 49/00310** shown over  
RAL 3005 Basecoat 49/31900



■ **White Hybrid**  
09/90160 •



■ **White**  
49/10363



■ **US3 Fine Texture Glimmer**  
49/90141



■ **Silver 49/00320** shown over  
RAL 5003 Basecoat 49/42230



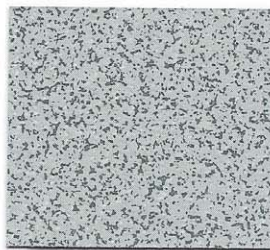
■ **Copper Hybrid**  
09/90180 •



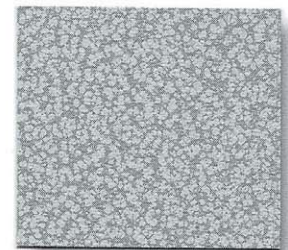
■ **Copper**  
49/90620



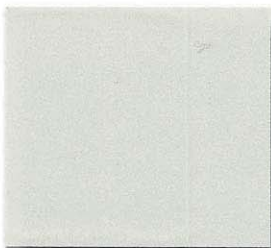
■ **Twilight 49/00390** shown over  
Black Basecoat 49/82830



■ **Grey Hybrid**  
09/90170 •



■ **Grey**  
49/10364



■ **Pearlescent White**  
49/18140



■ **Blue Stardust 49/40001**  
Clear Topcoat (shown over Silver basecoat)



■ **Silver Hybrid**  
09/90190 •



■ **Silver**  
49/93240



■ **Black Stardust 49/90009**  
Clear Topcoat



■ **Gold Hybrid**  
09/90200 •



■ **Gold**  
49/91190



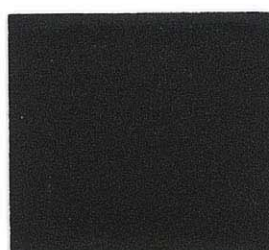
## ■ Metallic



**Jeans Metallic**  
09/40670 ●



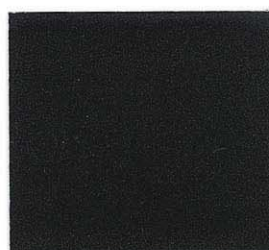
**Grey Metallic**  
09/80340 ●



**Bronze C34 One Coat**  
49/66220



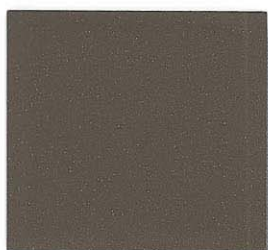
**Bronze Metallic**  
09/60600 ●



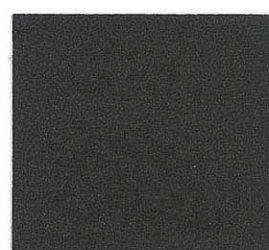
**Statuary Bronze**  
38/60080 30±5\*



**Brown C33 One Coat**  
49/66230



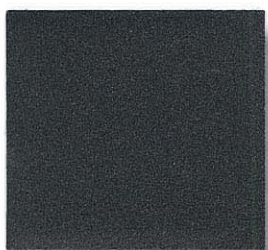
**Beige Metallic**  
09/60610 ●



**Bronze Matte**  
39/60020



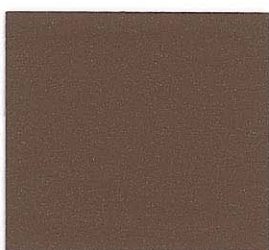
**Sahara Gold**  
49/90137



**Anthracite Metallic**  
09/80170 ●



**Roman Bronze**  
39/60060 20±5\*



**Copper Metallic**  
49/92780 ●



**Anthracite Fine Texture Metallic**  
49/79680



**Beige C32 One Coat**  
49/15240



**Oil Rubbed Bronze**  
69/60040 5±2\*

# metallics



TIGER Drylac®

# ral colors

exterior powder coatings



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Powder Coatings

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## series 49

### Weather Resistant TGIC Polyester Powder Coatings for Exterior and Interior Applications

**Features:** Good weather resistance, good mechanical properties, very smooth flow, good storage stability, good coverage

**Gloss Level:** All colors featured in this chart are available as standard products in smooth glossy with a gloss level of 80-90+ (gloss level according to Garner 60 deg., ASTM D 523).

**Typical Applications:** Residential windows and doors, garden equipment, patio furniture, automotive accessories, bicycles, motorcycles, sporting goods.

**Standard Packaging:** 55 lb boxes or 5 lb mini packs

**Datasheets:** Periodically updated datasheets, showing cure parameters, test results, pre-treatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit [www.tigerdrylac.com](http://www.tigerdrylac.com) for the most current edition.



All Series 49 (custom and stock) products, made in the US or Canada are periodically re-certified and carry the UL (Underwriter Laboratories) Recognized Component mark. This UL mark is for all equipment and products intended for the US and Canadian market.

## series 38

### Highly Weather- and UV-Resistant Powder Coatings based on Super Durable TGIC Polyester for Exterior and Interior Applications

**Features:** Superior gloss and color retention, excellent weather resistance, good mechanical properties, superior chalk resistance, smooth flow, excellent edge coverage, good storage stability. AAMA 2604-05 conforming.

**Gloss Level:** All colors featured in this chart are available as standard products in smooth glossy with a gloss level of 80-90 (gloss level according to Gardner 60 deg., ASTM D 523).

**Typical Applications:** Agricultural and construction equipment, bus shelters, lighting fixtures, playground equipment, site furnishings, garage doors, stadium seating, fencing, automotive equipment, and marine applications.

**Standard Packaging:** 44 lb boxes and 5 lb mini packs

**Datasheets:** Periodically updated datasheets, showing cure parameters, test results, pre-treatment information and more are available for all products in this chart. Please contact your local TIGER Drylac office or visit [www.tigerdrylac.com](http://www.tigerdrylac.com) for the most current edition.

**RAL colors not available:** Due to pigmentation a small percentage of colors in the yellow, orange, red and purple range offer only limited UV stability and are therefore not available.

**More standard Series 38 products:** For additional architectural mattes, glossy and metallic products please see our Series 38 Super Durable Powder Coatings brochure.

**Custom colors:** Custom colors not shown in this brochure can be custom made in 7 to 10 days. Due to pigmentation some colors in the yellow, orange, red and purple range offer only limited UV stability. UV stability of custom colors in that color range must be verified by our production laboratories on a case by case basis.

**TIGER Drylac continues to offer the largest product selection in the powder coating industry.** For additional standard products and innovative powder coating solutions please see our numerous other brochures including:

TIGER Drylac Metallic

TIGER Drylac Special Effect

TIGER Drylac Essentials

TIGER Drylac Specialties

TIGER Drylac Series 38 Super Durable

TIGER Drylac Anti-Graffiti

TIGER Drylac Series 58 Super Durable  
(for approved applicators only)

TIGER Drylac Series 75 Fluoropolymer  
(for approved applicators only)

TIGER Drylac Wood

## Specifying TIGER Drylac products

In order to eliminate possible errors in specifying our products, we recommend using the full product number rather than specifying the RAL number only. This product number not only describes the Series/Chemistry, but also the exact color, finish and sheen.

Please check with your local TIGER Drylac office or representative for assistance with specifications and suitability issues.

## RAL

Having gained worldwide acceptance over the last few decades, the RAL is the most popular Central European Color Standard used today.

The RAL colors in this chart have been matched as closely as possible. Color chart production methods and influence from heat and light may account for slight color deviation from the actual RAL Standard. This chart therefore can not serve as a standard for RAL color production and is to be used as a guide for color planning and specification only.

To aid in final product selection please contact your regional Tiger Drylac location for a powder coated Q-Panel of the product of your choice.

## Product Code Matrix

3 8 / 3 0 0 2 5



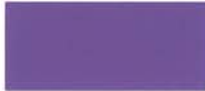
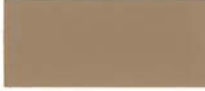
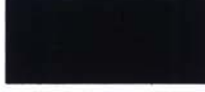
### Chemistry

09 Polyester/Epoxy Hybrid  
16 Acrylic Hybrid  
28 Super Durable Polyester  
TGIC (for approved applicators only)  
39 Polyester TGIC  
44 Polyurethane  
49 Polyester TGIC  
59 Polyester TGIC-Free  
69 Epoxy  
75 Fluoropolymer  
(for approved applicators only)  
89 Polyester/Epoxy Hybrid,  
Low/Fast Cure

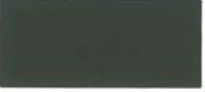
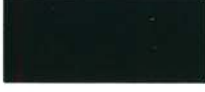
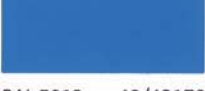
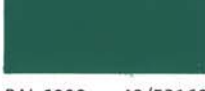
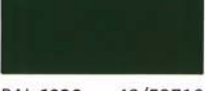
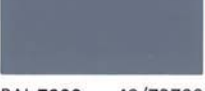
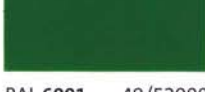
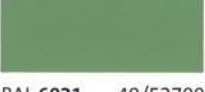
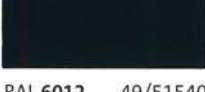
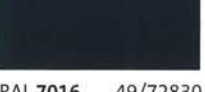
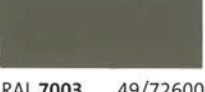
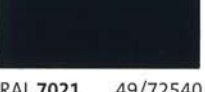
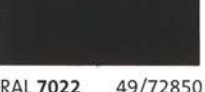
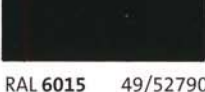


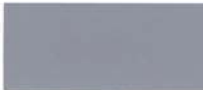
### Color Group (starting with)

1 White  
2 Yellow / Orange  
3 Red  
4 Blue  
5 Green  
6 Brown  
7 Grey  
8 Black  
9 Metallic

|                                                                                    |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|     |     |     |     |     |     |
| RAL 1000 49/15200<br>38/15000                                                      | RAL 1015 49/15320<br>38/15015                                                       | RAL 1033 49/22240                                                                   | RAL 2012 49/24690                                                                    | RAL 3014 49/31080                                                                     | RAL 4004 49/31020<br>38/30024                                                         |
|    |    |    |    |    |    |
| RAL 1001 49/15190<br>38/15001                                                      | RAL 1016 49/22520<br>38/20016                                                       | RAL 1034 49/23910                                                                   | RAL 3000 49/33120<br>38/30000                                                        | RAL 3015 49/33670                                                                     | RAL 4005 49/42780                                                                     |
|    |    |    |    |    |    |
| RAL 1002 49/22590<br>38/20002                                                      | RAL 1017 49/22510<br>38/20017                                                       | RAL 1037 49/20096                                                                   | RAL 3001 49/31120<br>38/30001                                                        | RAL 3016 49/31980<br>38/30016                                                         | RAL 4006 49/32090                                                                     |
|    |    |    |    |    |    |
| RAL 1003 49/22580                                                                  | RAL 1018 49/21830<br>38/20018                                                       | RAL 2000 49/24570                                                                   | RAL 3002 49/31110<br>38/30002                                                        | RAL 3017 49/31060                                                                     | RAL 4007 49/32540<br>38/30025                                                         |
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| RAL 1004 49/22570<br>38/20004                                                      | RAL 1019 49/13660<br>38/15019                                                       | RAL 2001 49/24560<br>38/23170                                                       | RAL 3003 49/31100<br>38/30003                                                        | RAL 3018 49/31050                                                                     | RAL 4008 49/32280                                                                     |
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| RAL 1005 49/22560<br>38/20005                                                      | RAL 1020 49/22500<br>38/20020                                                       | RAL 2002 49/24550<br>38/25002                                                       | RAL 3004 49/33900<br>38/30004                                                        | RAL 3020 49/31040<br>38/30021                                                         | RAL 4009 49/34740                                                                     |
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| RAL 1006 49/22550<br>38/20006                                                      | RAL 1021 49/22280<br>38/20021                                                       | RAL 2003 49/24540                                                                   | RAL 3005 49/31900<br>38/30005                                                        | RAL 3022 49/33700                                                                     | RAL 4010 49/40490                                                                     |
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| RAL 1007 49/22540                                                                  | RAL 1023 49/22490<br>38/20023                                                       | RAL 2004 49/24530                                                                   | RAL 3007 49/31910<br>38/30007                                                        | RAL 3027 49/33660                                                                     | RAL 5000 49/42200<br>38/40000                                                         |
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| RAL 1011 49/15180<br>38/15011                                                      | RAL 1024 49/22480<br>38/20024                                                       | RAL 2008 49/24340                                                                   | RAL 3009 49/31920<br>38/30009                                                        | RAL 3031 49/34730<br>38/30031                                                         | RAL 5001 49/42210<br>38/40001                                                         |
|  |  |  |  |  |  |
| RAL 1012 49/22530<br>38/20012                                                      | RAL 1027 49/22470<br>38/20027                                                       | RAL 2009 49/24360                                                                   | RAL 3011 49/31090<br>38/30011                                                        | RAL 4001 49/43160                                                                     | RAL 5002 49/42220<br>38/40002                                                         |
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| RAL 1013 49/11280<br>38/10013                                                      | RAL 1028 49/22460                                                                   | RAL 2010 49/24520<br>38/25001                                                       | RAL 3012 49/31940<br>38/30012                                                        | RAL 4002 49/31030<br>38/30008                                                         | RAL 5003 49/42230<br>38/40003                                                         |
|  |  |  |  |  |  |
| RAL 1014 49/15170<br>38/15014                                                      | RAL 1032 49/22450<br>38/20032                                                       | RAL 2011 49/24580                                                                   | RAL 3013 49/31950<br>38/30013                                                        | RAL 4003 49/32270                                                                     | RAL 5004 49/42240<br>38/40004                                                         |

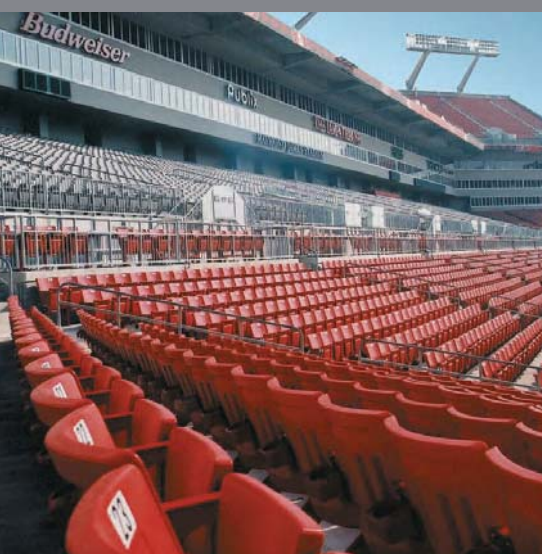


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| RAL 5005 49/43190<br>38/40010                                                       | RAL 5019 49/42360<br>38/40019                                                       | RAL 6006 49/52870<br>38/50006                                                       | RAL 6016 49/51020<br>38/50016                                                        | RAL 6027 49/50990<br>38/50027                                                         | RAL 7006 49/72580<br>38/70006                                                         |
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| RAL 5007 49/42250<br>38/40007                                                       | RAL 5020 49/44270<br>38/40018                                                       | RAL 6007 49/52860<br>38/50007                                                       | RAL 6017 49/52780<br>38/50017                                                        | RAL 6028 49/52650<br>38/50028                                                         | RAL 7008 49/72570<br>38/70008                                                         |
|    |    |    |    |    |    |
| RAL 5008 49/42260<br>38/40008                                                       | RAL 5021 49/41190<br>38/40021                                                       | RAL 6008 49/53240<br>38/50008                                                       | RAL 6018 49/52720<br>38/50018                                                        | RAL 6029 49/52640<br>38/50029                                                         | RAL 7009 49/72770<br>38/70009                                                         |
|    |    |    |    |    |    |
| RAL 5009 49/42270<br>38/40009                                                       | RAL 5022 49/42390<br>38/40022                                                       | RAL 6009 49/52840<br>38/50009                                                       | RAL 6019 49/51000<br>38/50019                                                        | RAL 6032 49/52630<br>38/50032                                                         | RAL 7010 49/72560<br>38/70014                                                         |
|    |    |  |                                                                                      |    |    |
| RAL 5010 49/42280<br>38/40016                                                       | RAL 5023 49/44650<br>38/40023                                                       |                                                                                     |                                                                                      | RAL 6033 49/55010<br>38/50033                                                         | RAL 7011 49/72790<br>38/70011                                                         |
|    |    |                                                                                     |                                                                                      |    |    |
| RAL 5011 49/43180<br>38/40011                                                       | RAL 5024 49/44660<br>38/40024                                                       |                                                                                     |                                                                                      | RAL 6034 49/55020<br>38/50034                                                         | RAL 7012 49/71180<br>38/70012                                                         |
|  |  |  |  |  |  |
| RAL 5012 49/43170<br>38/40012                                                       | RAL 6000 49/53160<br>38/50000                                                       | RAL 6010 49/52830<br>38/50031                                                       | RAL 6020 49/52710<br>38/50020                                                        | RAL 7000 49/72700<br>38/70000                                                         | RAL 7013 49/72550<br>38/70013                                                         |
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| RAL 5013 49/42310<br>38/40013                                                       | RAL 6001 49/52900<br>38/50005                                                       | RAL 6011 49/52820<br>38/50011                                                       | RAL 6021 49/52700<br>38/50021                                                        | RAL 7001 49/72710<br>38/70003                                                         | RAL 7015 49/72820<br>38/70015                                                         |
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| RAL 5014 49/42320<br>38/40014                                                       | RAL 6002 49/52890<br>38/50023                                                       | RAL 6012 49/51540<br>38/50012                                                       | RAL 6022 49/52690<br>38/50022                                                        | RAL 7002 49/72720<br>38/70007                                                         | RAL 7016 49/72830<br>38/70016                                                         |
|  |  |  |  |  |  |
| RAL 5015 49/42330<br>38/40015                                                       | RAL 6003 49/52880<br>38/50003                                                       | RAL 6013 49/52810<br>38/50013                                                       | RAL 6024 49/52680<br>38/50024                                                        | RAL 7003 49/72600<br>38/70017                                                         | RAL 7021 49/72540<br>38/70021                                                         |
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| RAL 5017 49/40760<br>38/40017                                                       | RAL 6004 49/50980<br>38/50004                                                       | RAL 6014 49/52800<br>38/50014                                                       | RAL 6025 49/52670<br>38/50025                                                        | RAL 7004 49/73300<br>38/70004                                                         | RAL 7022 49/72850<br>38/70022                                                         |
|  |  |  |  |  |  |
| RAL 5018 49/41140<br>38/40020                                                       | RAL 6005 49/50670<br>38/50002                                                       | RAL 6015 49/52790<br>38/50015                                                       | RAL 6026 49/52660<br>38/50026                                                        | RAL 7005 49/72590<br>38/70005                                                         | RAL 7023 49/72530<br>38/70023                                                         |

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| RAL 7024 49/72870<br>38/70024                                                      | RAL 7040 49/75470<br>38/70046                                                       | RAL 8007 49/66120<br>38/60007                                                       | RAL 8025 49/66050<br>38/60025                                                        |
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| RAL 7026 49/72880<br>38/70026                                                      | RAL 7042 49/73250<br>38/70042                                                       | RAL 8008 49/66110<br>38/60008                                                       | RAL 8028 49/66500<br>38/60028                                                        |
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| RAL 7030 49/72890<br>38/70027                                                      | RAL 7043 49/72460<br>38/70043                                                       | RAL 8011 49/66100<br>38/60011                                                       | RAL 9001 49/10016<br>38/10001                                                        |
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| RAL 7031 49/72520<br>38/70031                                                      | RAL 7044 49/75480<br>38/70044                                                       | RAL 8012 49/66090<br>38/60012                                                       | RAL 9002 49/70520<br>38/10002                                                        |
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| RAL 7032 49/72910<br>38/70001                                                      | RAL 7045 49/77890<br>38/70045                                                       | RAL 8014 49/65230<br>38/60010                                                       | RAL 9003 49/11400<br>38/10003                                                        |
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| RAL 7033 49/72510<br>38/70033                                                      | RAL 7046 49/72010<br>38/70002                                                       | RAL 8015 49/63040<br>38/60015                                                       | RAL 9004 49/81950<br>38/80004                                                        |
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| RAL 7034 49/72500<br>38/70034                                                      | RAL 7047 49/72020<br>38/70047                                                       | RAL 8016 49/66080<br>38/60016                                                       | RAL 9005 49/82830<br>38/80010                                                        |
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| RAL 7035 49/73510<br>38/70035                                                      | RAL 8000 49/66170<br>38/60000                                                       | RAL 8017 49/65220<br>38/60017                                                       | RAL 9010 49/11500<br>38/10004                                                        |
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| RAL 7036 49/72950<br>38/70036                                                      | RAL 8001 49/66160<br>38/60005                                                       | RAL 8019 49/65490<br>38/60019                                                       | RAL 9011 49/80540<br>38/80001                                                        |
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| RAL 7037 49/72480<br>38/70037                                                      | RAL 8002 49/66150<br>38/60002                                                       | RAL 8022 49/63080<br>38/60022                                                       | RAL 9016 49/11340<br>38/10010                                                        |
|  |  |  |  |
| RAL 7038 49/72470<br>38/70038                                                      | RAL 8003 49/66140<br>38/60003                                                       | RAL 8023 49/66070<br>38/60023                                                       | RAL 9017 49/80550<br>38/80017                                                        |
|  |  |  |  |
| RAL 7039 49/71020<br>38/70039                                                      | RAL 8004 49/66130<br>38/60004                                                       | RAL 8024 49/66060<br>38/60024                                                       | RAL 9018 49/72490<br>38/10018                                                        |

# exterior





series 38

**AAMA 2604-05**

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# TIGER Drylac® Series 38 – Exterior or Interior

A highly weather and UV resistant powder coating based on Super Durable TGIC Polyester

## Features

Superior Gloss and Color Retention  
Excellent Weather Resistance  
Good Mechanical Properties  
Superior Chalking Resistance  
Very Smooth Flow  
Excellent Edge Coverage  
Good Storage Stability

## Typical Applications

|                            |                           |
|----------------------------|---------------------------|
| Architectural Applications | Oil & Gas Industry        |
| Land Management Facilities | Renewable Energy Industry |
| Cell Phone Towers          | Defense Industry          |
| Construction Industry      | Automotive Equipment      |
| Lighting Fixtures          | Marine Applications       |
| Park Furniture             | Agricultural Equipment    |
| Playground Equipment       | Sports Equipment          |
| Garage Doors               | Recreational Vehicles     |
| Stadium Seating            | Lawn and Garden Equipment |
| Fencing                    | Railing                   |

## Standard Series 38

Smooth Matte (20±5\*)  
Smooth Matte Satin (30±5\*)  
Smooth Semi Gloss (60±5)  
Smooth Glossy (85±5\*)

Gloss level according to Gardner 60° ASTM D523

## Custom Colors

Any other color or finish is available as a custom color with a 220-lb. minimum order. Due to pigmentation a small percentage of colors in the yellow, orange, red and purple range offer only limited UV stability. UV stability of custom color products in that color range must be verified by our production laboratories on a case by case basis.

## Standard Packaging

44 lbs/20 kg carton or 5 lbs/2.5 kg Minipack

## Specific Gravity

1.2 – 1.8 g/cm<sup>3</sup> depending on pigmentation

## Theoretical Coverage

Depending on pigmentation and processing conditions.  
1 lb coats approx. 50 sq. ft. at 3 mils avg.  
1 kg coats approx. 10 sq. m. at 75 microns avg.

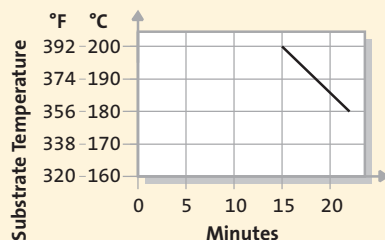
## Processing

Electrostatic and Tribo/Airstatic Spraying, manual or automatic.

## Dry Storage Stability

6 months at no more than 77° F/25° C

## Cure Parameter



## Note

A reasonable degree of loss of gloss and color variation due to long-term UV exposure can be expected.

On the cover:  
Raymond James Stadium, Tampa, FL  
Lanikea Tower Honolulu, HI (Hanson Architectural Systems Inc.)  
Street Lighting Fixture

# TIGER SHIELD System

for superior corrosion protection (recommended for marine environments and coastal regions)

## Product Description

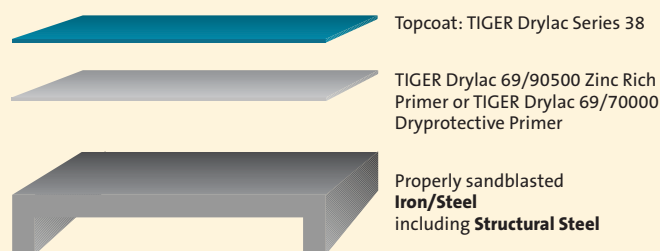
The TIGER Drylac SHIELD System is a two-coat process combining optimum corrosion protection with highest weatherability.

The basis for the excellent corrosion resistance is either TIGER Drylac Zinc Rich Primer 69/90500, TIGER Drylac Dryprotective Primer 69/70000 or TIGER Drylac 09/73841 Out-gassing Forgiving Primer. This two coat system warrants an optimum non-porous film as well as excellent UV protection through the use of high quality polyester powder coatings.

## Processing

Electrostatic and Tribo/Airstatic spraying, manual or automatic. All primers must be applied over a clean dry substrate, free of any contaminants and oxidation. Note: Time elapsed between application of TIGER Drylac 69/90500 Dryzinc Primer and topcoating with TIGER Drylac Series 38 Polyester must not exceed 12 hours max.

## Steel/Iron



## Aluminum

Under normal conditions a single coat of Series 38 powder coating is sufficient. In highly corrosive environments, as is found in coastal regions or industrial atmospheres, a 2-coat system comprised of TIGER Drylac Dryprotective 69/70000 plus a topcoat of Series 38 can be beneficial. Both products are engineered to complement each other and offer an excellent corrosion barrier. For objects exposed to extreme conditions, especially where there is a possibility of filiform corrosion, Chromate Conversion coatings or Chrome Phosphatizing has been proven to be an excellent pretreatment choice.

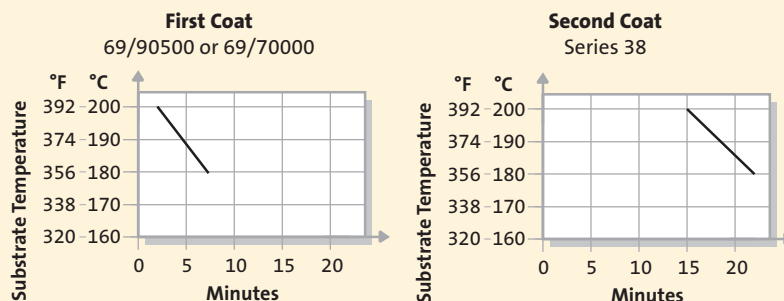
## Cast Aluminum and Cast Steel

For porous substrates that are prone to out-gassing we offer a Out-gassing Forgiving Primer — TIGER Drylac OGF Primer 09/73841. For technical information and specific curing parameters please see our datasheet number 1304 online at [www.tiger-coatings.us](http://www.tiger-coatings.us) (download area, data sheets).

## Cure Parameters

TIGER Drylac Zinc Rich and Dryprotective Primer

In general, we recommend only partial rather than full cure for the first coat.



## Specific Gravity

TIGER Drylac Series 38: 1.2–1.8 g/cm<sup>3</sup> depending on pigmentation.

TIGER Drylac 69/90500 Zinc Rich Primer: 2.72 ± 0/.1g/cm<sup>3</sup>

TIGER Drylac 69/70000 Dryprotective Primer: 1.52 ± 0/.1g/cm<sup>3</sup>

## Theoretic Coverage

Depending on pigmentation and processing conditions and a specific gravity of 1.5, 1 lb coats approximately 50 sq. ft. at 3 mils avg. 1 kg coats approximately 10 sq. m. at 75 microns avg.

## Test Results on Aluminum:

|                                                                          |                                                                                                                                                                                                |                                |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Corrosion Resistance</b><br>Humidity Resistance 3000 hrs.—ASTM D 2247 | Formation of blisters not to exceed “few” blisters size #8 as shown in Figure 4.0 ASTM D 714                                                                                                   | No blistering                  |
| <b>Salt Spray Resistance</b><br>3000 hours — ASTM B 117                  | Minimum rating of 7 on scribe or cut edges, and a minimum blister rating of 8 within the test specimen field, in accordance with the Table 1 and Table 2 Reference modification of ASTM D 1654 | No blistering, no undercutting |

## Test Results on Steel:

| Salt Spray Resistance*<br>ASTM 117-90 | Undercutting | Blisters | Adhesion |
|---------------------------------------|--------------|----------|----------|
| 1000 hour                             | 0            | m0 / g0  | Gt0      |
| 2000 hour                             | 0 – 1        | m0 / g0  | Gt0      |
| 3000 hour                             | 2 – 3        | m2 / g1  | Gt0      |

\*Tested on a 2-coat system of Series 38 and TIGER Drylac® 69/90500 Zinc Rich Primer (substrate: steel—sandblasted)

## Mechanical Properties:

| Test                                                           | Results for basecoat alone 69/90500      | Two-Coat System<br>TIGER Drylac 69/90500 + TIGER Drylac Series 38                                           |
|----------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Film Thickness                                                 | 2.4-2.6 mils/60±5µm                      | 2.4-2.6 mils/60±5µm (Primer)<br>2.4-2.6 mils/60±5µm (Topcoat)<br>Minimum requirement for a non-porous film! |
| Cross Hatch Adhesion<br>ISO 2409 / ASTM D 3359                 | pass 100%                                | pass 100%                                                                                                   |
| Mandrel Bending Test<br>ISO 1519 / ASTM D 522                  | 5/32 in. /4 mm<br>(3/16 in./5 mm)        | 3/8 in./10 mm                                                                                               |
| Impact test 1/10 in.<br>Distortion ISO 6272 /<br>STM D 2794-90 | up to 40 in./lbs.<br>(up to 20 in./lbs.) | up to 40 in./lbs.<br>(up to 20 in./lbs.)                                                                    |
| Cupping ISO 1520                                               | 5/16 in./8 mm<br>(3/16 in./5 mm)         | 5/16 in./8 mm<br>(3/16 in./5 mm)                                                                            |

Data in “( )” reflects properties valid for TIGER Drylac 69/70000 Dryprotective.



# TIGER Drylac™ Series 38 Super Durable Polyester Powder Coatings

Our Super Durable Polyester powder coatings are designed and engineered to be a single coat finishing system, with the exception of applications within extremely harsh environments, such as coastal or heavy industry regions (see TIGER Shield information in this brochure).

## AAMA 2604-05 Compliant

All products featured in this brochure comply with the American Architectural Manufacturers Association's specification AAMA 2604-05

## Bureau of Land Management Standard Environmental Colors

The BLM Standard Environmental Colors were developed by the US Government to assist with color selection to minimize the visual contrast of facilities in the landscape.

TIGER Drylac offers BLM colors in an environmentally friendly, long wearing, highly weather and UV resistant Super Durable powder coating formulation.

## TIGER Drylac™ Smooth Glossy RAL Colors available in Series 38:

|                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| RAL 1001 • 38/15001 | RAL 6007 • 38/50007 | RAL 7010 • 38/70014 | RAL 8001 • 38/60005 |
| RAL 1002 • 38/20002 | RAL 6008 • 38/50008 | RAL 7011 • 38/70011 | RAL 8002 • 38/60002 |
| RAL 1013 • 38/10013 | RAL 6009 • 38/50009 | RAL 7012 • 38/70012 | RAL 8003 • 38/60003 |
| RAL 1014 • 38/15014 | RAL 6010 • 38/50031 | RAL 7013 • 38/70013 | RAL 8004 • 38/60004 |
| RAL 1015 • 38/15015 | RAL 6011 • 38/50011 | RAL 7015 • 38/70015 | RAL 8007 • 38/60007 |
| RAL 1016 • 38/20016 | RAL 6012 • 38/50012 | RAL 7016 • 38/70016 | RAL 8008 • 38/60008 |
| RAL 1019 • 38/15019 | RAL 6013 • 38/50013 | RAL 7021 • 38/70021 | RAL 8011 • 38/60011 |
| RAL 1020 • 38/20020 | RAL 6016 • 38/50016 | RAL 7022 • 38/70022 | RAL 8012 • 38/60012 |
| RAL 1023 • 38/20023 | RAL 6017 • 38/50017 | RAL 7023 • 38/70023 | RAL 8014 • 38/60010 |
| RAL 1024 • 38/20024 | RAL 6018 • 38/50018 | RAL 7024 • 38/70024 | RAL 8016 • 38/60016 |
| RAL 3012 • 38/30012 | RAL 6019 • 38/50019 | RAL 7026 • 38/70026 | RAL 8017 • 38/60017 |
| RAL 5004 • 38/40004 | RAL 6020 • 38/50020 | RAL 7030 • 38/70027 | RAL 8019 • 38/60019 |
| RAL 5007 • 38/40007 | RAL 6021 • 38/50021 | RAL 7031 • 38/70031 | RAL 8022 • 38/60022 |
| RAL 5008 • 38/40008 | RAL 6022 • 38/50022 | RAL 7032 • 38/70001 | RAL 8023 • 38/60023 |
| RAL 5011 • 38/40011 | RAL 6026 • 38/50026 | RAL 7033 • 38/70033 | RAL 8024 • 38/60024 |
| RAL 5013 • 38/40013 | RAL 6027 • 38/50027 | RAL 7035 • 38/70035 | RAL 8025 • 38/60025 |
| RAL 5017 • 38/40017 | RAL 6028 • 38/50028 | RAL 7036 • 38/70036 | RAL 8028 • 38/60028 |
| RAL 5018 • 38/40020 | RAL 6029 • 38/50029 | RAL 7037 • 38/70037 | RAL 9001 • 38/10001 |
| RAL 5019 • 38/40019 | RAL 6032 • 38/50032 | RAL 7038 • 38/70038 | RAL 9002 • 38/10002 |
| RAL 5020 • 38/40018 | RAL 6033 • 38/50033 | RAL 7039 • 38/70039 | RAL 9003 • 38/10003 |
| RAL 5021 • 38/40021 | RAL 6034 • 38/50034 | RAL 7040 • 38/70046 | RAL 9004 • 38/80004 |
| RAL 6000 • 38/50000 | RAL 7000 • 38/70000 | RAL 7042 • 38/70042 | RAL 9005 • 38/80010 |
| RAL 6001 • 38/50005 | RAL 7002 • 38/70007 | RAL 7043 • 38/70043 | RAL 9010 • 38/10004 |
| RAL 6003 • 38/50003 | RAL 7004 • 38/70004 | RAL 7044 • 38/70044 | RAL 9016 • 38/10010 |
| RAL 6004 • 38/50004 | RAL 7005 • 38/70005 | RAL 7045 • 38/70045 | RAL 9017 • 38/80017 |
| RAL 6005 • 38/50002 | RAL 7006 • 38/70006 | RAL 7046 • 38/70002 | RAL 9018 • 38/10018 |
| RAL 6006 • 38/50006 | RAL 7009 • 38/70009 | RAL 7047 • 38/70047 |                     |

Please refer to our RAL Exterior brochure for a display of RAL colors to go with above listed Series 38 product numbers.

Gloss levels for RAL colors are 85±5.

To eliminate possible errors in finish and sheen, please specify the TIGER Drylac product number along with the RAL number.

## Primer



TIGER Drylac 69/70000  
Dry Protector Primer 3±2



TIGER Drylac 69/90500  
Zinc Rich Primer 70±5



TIGER Drylac 09/73841  
Out-gassing Forgiving  
Primer 70±5

## Architectural Matte, Satin and Semi Gloss



TIGER Drylac® 38/10130  
**Seashell White** 30±5\*



TIGER Drylac® 38/70070  
**Taupe** 30±5\*



TIGER Drylac® 38/60014  
**Medium Bronze** 30±5\*



TIGER Drylac® 38/30028  
**Brick Red** 20±5\*



TIGER Drylac® 38/70049  
**Silver Grey** 30±5\*



TIGER Drylac® 38/10070  
**Bone White** 30±5\*



TIGER Drylac® 38/15002  
**Sierra Tan** 30±5\*



TIGER Drylac® 38/60080  
**Statuary Bronze** 30±5\*



TIGER Drylac® 38/60006  
**Aged Copper** 20±5\*



TIGER Drylac® 38/40025  
**Interstate Blue** 20±5\*



TIGER Drylac® 38/70048  
**Sky Grey** 30±5\*



TIGER Drylac® 38/70025  
**Ash Grey** 30±5\*



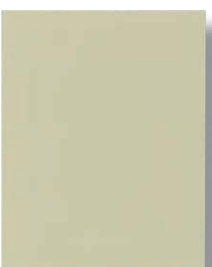
TIGER Drylac® 38/60090  
**Dark Anodized Bronze** 20±5\*



TIGER Drylac® 38/50080  
**Ivy Green** 30±5\*



TIGER Drylac® 38/40051  
**Military Blue** 30±5\*



TIGER Drylac® 38/15003  
**Almond** 30±5\*



TIGER Drylac® 38/70019  
**Slate Grey** 30±5\*



TIGER Drylac® 38/30033  
**Boysenberry** 20±5\*



TIGER Drylac® 38/50037  
**Classic Green** 30±5\*



TIGER Drylac® 38/80020  
**Jet Black** 30±5\*



TIGER Drylac® 38/15012  
**Sandstone** 30±5\*



TIGER Drylac® 38/60018  
**Koko Brown** 30±5\*



TIGER Drylac® 38/30041  
**Redwood** 30±5\*



TIGER Drylac® 38/50110  
**Hartford Green** 30±5\*



TIGER Drylac 38/81009  
**Railing Black Semi Gloss** 60±5\*

\*Gloss level according to Gardner 60° ASTM D523. Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.



## Glossy

## Metallic



TIGER Drylac® 38/00001  
**Clear 90+\***



TIGER Drylac® 38/15009  
**Crème 305 85±5\***



TIGER Drylac® 38/50039  
**Highland 305 85±5\***



TIGER Drylac® 38/70061  
**Grey Classic 314 85±5\***



TIGER Drylac® 38/90003  
**Argento 301 Metallic**



TIGER Drylac® 38/10007  
**Bianco 302 85±5\***



TIGER Drylac® 38/15007  
**Crème 303 85±5\***



TIGER Drylac® 38/50040  
**Highland 306 85±5\***



TIGER Drylac® 38/80002  
**Carbon 301 85±5\***



TIGER Drylac® 38/90010  
**Marine Silver**



TIGER Drylac® 38/10090  
**Extrusion White 85±5\***



TIGER Drylac® 38/15005  
**Crème 301 85±5\***



TIGER Drylac® 38/50041  
**Highland 307 85±5\***



TIGER Drylac® 38/90007  
**Argento 305 Metallic**



TIGER Drylac® 38/70032  
**Grey Classic 303 85±5\***



TIGER Drylac® 38/60026  
**Marrone 306 85±5\***



TIGER Drylac® 38/40033  
**Azzurro 307 85±5\***



TIGER Drylac® 38/90011  
**Argento 308 Metallic**



TIGER Drylac® 38/70056  
**Grey Classic 310 85±5\***



TIGER Drylac® 38/60039  
**Marrone 308 85±5\***



TIGER Drylac® 38/70054  
**Grey Classic 308 85±5\***



TIGER Drylac® 38/90015  
**Pearl Dark Grey Metallic**

\*Gloss level according to Gardner 60° ASTM D523. Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.

## Bureau of Land Management Standard Environmental Colors



TIGER Drylac® 38/90016  
**Argento 312 Metallic**



TIGER Drylac® 38/50043  
**Highland 301 Metallic**



TIGER Drylac® 38/15021  
**Champagne 304 Metallic**



TIGER Drylac 38/16500  
**BLM Carlsbad Canyon  
Brown 55±5**



TIGER Drylac 38/60400  
**BLM Sudan Brown 65±5**



TIGER Drylac® 38/90018  
**Argento 314 Metallic**



TIGER Drylac® 38/40127  
**Pearl Night Blue Metallic**



TIGER Drylac® 38/20013  
**Deore 301 Metallic**



TIGER Drylac 38/50500  
**BLM Covert Green 55±5**



TIGER Drylac 38/50400  
**BLM Beetle 65±5**



TIGER Drylac® 38/60060  
**Medium Bronze Metallic\***



TIGER Drylac® 38/20014  
**Deore 302 Metallic**



TIGER Drylac® 38/15020  
**Champagne 303 Metallic**



TIGER Drylac 38/71700  
**BLM Shadow Gray 60±5**



TIGER Drylac 38/53000  
**BLM Yuma Green 60±5**



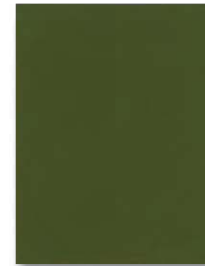
TIGER Drylac® 38/60064  
**Pearl Copper Metallic**



TIGER Drylac® 38/15018  
**Champagne 302 Metallic**



TIGER Drylac® 38/90009  
**Argento 307 Metallic**



TIGER Drylac 38/51400  
**BLM Juniper Green 60±5**



TIGER Drylac 38/60500  
**BLM Carob Brown 60±5**



TIGER Drylac® 38/50035  
**Seafoam Green Metallic**



TIGER Drylac® 38/15017  
**Champagne 301 Metallic**



TIGER Drylac® 38/91020  
**Anodized Silver**



TIGER Drylac 38/52600  
**BLM Shale Green 60±5**

\*Gloss level according to Gardner 60° ASTM D523. Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.



TIGER Drylac®

# series 75

fluoropolymer powder coatings

volume 2



**Drylac®**  
Powder Coatings



# TIGER Drylac® Series 75 – Exterior and Interior

A unique powder coating offering superior weatherability for architectural applications on aluminum based on Fluoropolymer

## Features

### Designed to meet the performance levels described in AAMA 2605-05

Highest performance architectural powder coating offering  
Superior Gloss and Color Retention  
Outstanding Resistance to Fading  
Outstanding Resistance to Chalking  
Good Chemical Resistance  
Good Edge Coverage  
Good Storage Stability

## Typical Applications

### All Architectural and Construction Applications including:

|                  |               |
|------------------|---------------|
| Metal Facades    | Window Frames |
| Marine Equipment | Railings      |
| Curtain Walls    | Light Poles   |

## Standard Series 75

|                  |                            |
|------------------|----------------------------|
| Smooth Glossy    | Smooth Matte               |
| Smooth Semigloss | Solid Colors and Metallics |

## Custom Colors

Other colors and finishes are available as custom colors with 220 lb minimum order quantity. However, due to the extreme durability requirements, organic pigments as a class cannot be used. This limits the colors to earth tone colors and colors of similar chromaticity in other parts of the spectrum, such as red, blue and green. Evaluations by our laboratory on a case to case basis are necessary.

## Standard Packaging

44 lbs/20 kg cartons or 5 lb Minipacks

## Specific Gravity

Approximately 1.4 – 1.8 (g/cm<sup>3</sup>)  
depending on pigmentation (ASTM D792)

## Theoretical Coverage

at specific gravity 1.7 and film thickness of 2.5 mils / 60 µm:  
45.2 sq ft/lb / 9.2 m<sup>2</sup>/kg

## Processing

Corona and Tribo\* manual or automatic

\*Suitability of metallic effects for Tribo processing must be verified prior to application.  
Please consult our latest edition of relevant information sheets.

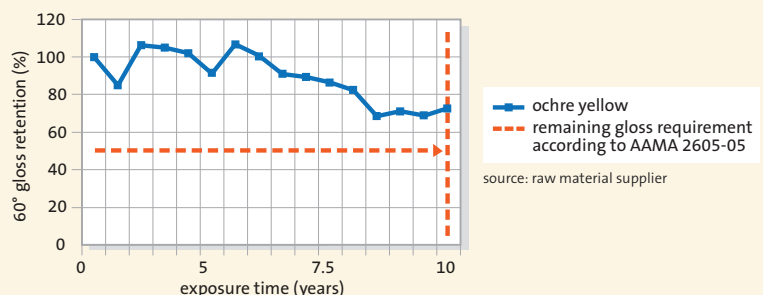
## Dry Storage Stability

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

## Weather Resistance

### Gloss Retention according to AAMA 2605-05 –

Remaining Gloss vs. Years





## Note

A top-coat with a clear powder coating over an interior grade powder coating does not produce a weather resistant coating. In case a two-coat system consisting of an epoxy primer for corrosion protection and a Series 75 top coat is applied, UV transmission of the top coat has to be controlled by pigmentation and film thickness. TIGER Drylac® Series 75 is slightly incompatible with other powder coatings. It is therefore highly recommended to thoroughly clean the entire coating line prior to and after the powder application. The curing of TIGER Drylac® Series 75 will result in the emission of small doses of ε-caprolactam, which may cause minor smoke and odor. Provide sufficient ventilation and observe maximum allowable concentration guidelines.

## Health & Safety Environment

For HSE relevant information please consult Material Safety Datasheet. Work place regulations are the responsibility of the applicator.

## Performance Data on Aluminum

Checked under laboratory conditions on a yellow chromated aluminum test panel, which is 0.7 (mm) thick. Actual product performance may vary due to product specific properties such as gloss, color, effect and finish as well as application related and environmental influences.

### Please note

Experience has shown that degradation similar to 10-year Florida exposure can be expected with 11,000 hours of accelerated weathering with UV-A lamps or 3,000 hours of UV-B lamps.

At this point we cannot claim full AAMA compliance, since some of the tests required – most notably Florida exposure – have extended duration. Performance can be reasonably anticipated based on accelerated weathering data with QUV-A and B tests, as well as references with related coating technologies using comparable polymer systems. It is well known that Fluoropolymers are offering superior performance, and all the coating systems that are available for compliance with AAMA 2605-05 are based on these materials.

Due to the chemical makeup of the coating, flexibility is decreased when compared to polyester-based products. Post-forming operations need to be verified beforehand for feasibility. Cracks in the coating can lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing agents, 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.

| Test result                        | Test Method                    | TIGER Drylac® Series 75                  |
|------------------------------------|--------------------------------|------------------------------------------|
| Film Thickness (1-coat system)     | ISO 2360                       | approx. 50-65 µm / approx. 2.0-2.5 mils* |
| Gloss – 60°                        | AAMA 2605-05 / Section 7.2     | pass                                     |
| Dry Adhesion                       | AAMA 2605-05 / Section 7.4.1.1 | pass                                     |
| Impact resistance 3 mm deformation | AAMA 2605-05 / Section 7.5     | pass                                     |
| Humidity Resistance 4,000 h        | AAMA 2605-05 / Section 7.8.1   | pass                                     |
| Salt Spray Resistance 4,000 h      | AAMA 2605-05 / Section 7.8.2   | pass                                     |
| QUV-B Resistance 3,000h            | ASTM G-53                      | > 75 % gloss retention                   |
| QUV-A Resistance 11,000h           | ASTM G-53                      | > 75 % gloss retention                   |

\* Above 2.5 mils the mechanical properties will degrade.

| Florida Exposure 10 years – Florida Exposure 10 years based on fluoropolymer, which meets AAMA 2605-05 |                                |                         |
|--------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|
| Color retention                                                                                        | AAMA 2605-05 / Section 7.9.1.2 | Less than 5 dE (Hunter) |
| Gloss retention                                                                                        | AAMA 2605-05 / Section 7.9.1.4 | > 50%                   |

## Cleaning Recommendations

Please see information sheets (latest edition).

## Chemical Resistance

| Tested                       | According to AAMA            | Test Duration | Results                                                          |
|------------------------------|------------------------------|---------------|------------------------------------------------------------------|
| Muriatic acid (10%)          | AAMA 2605-05 / Section 7.7.1 | 15 min        | no blistering or discoloration – pass                            |
| Mortar resistance            | AAMA 2605-05 / Section 7.7.2 | 24 hrs        | easy removal of mortar, no delamination, no discoloration – pass |
| Nitric Acid resistance (70%) | AAMA 2605-05 / Section 7.7.3 | 30 min        | discoloration < 5dE – pass                                       |
| Detergent resistance (3%)    | AAMA 2605-05 / Section 7.7.4 | 72 hrs        | no loss of adhesion, no blisters, no visual changes – pass       |
| Window cleaner resistance    | AAMA 2605-05 / Section 7.7.5 | 24 hrs        | no blistering or change of appearance                            |

## Product Description

**TIGER Drylac® Series 75 is a unique powder coating offering superior weatherability for architectural aluminum, based on fluoropolymer, which meets AAMA 2605-05 standards. Due to our 15 year warranty offered with this product line, it can only be applied by TIGER Drylac® Approved Applicators.** A current listing of Approved Applicators is available upon request.

**Specifiers:**  
Metal Constructor • Architect • Real Estate Developer

**Certified  
Applicator**

**TIGER**

*Sufficient communication before, during and after the process ensures a high performance finish.*

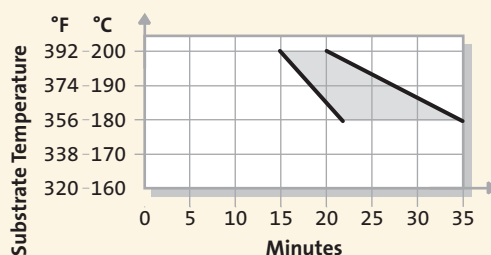
## Pretreatment Requirements

A 5-stage pretreatment is highly recommended. Chromating according to ASTM B 449, Anodizing according to AAMA 2603-02 Quality and Test Regulations or Chrome-free according to AAMA 2605-05 are acceptable methods.

## General Conditions

Under normal circumstances a single coat of Series 75 powder coating is sufficient. Powder Coating must be applied over a clean dry substrate, free of any contaminants and oxidation.

## Cure Parameters



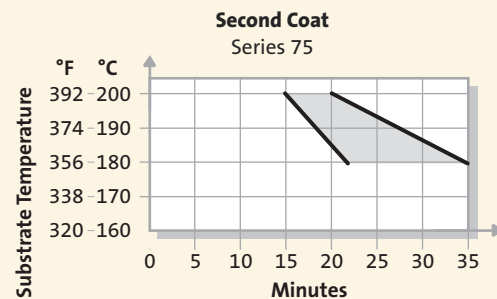
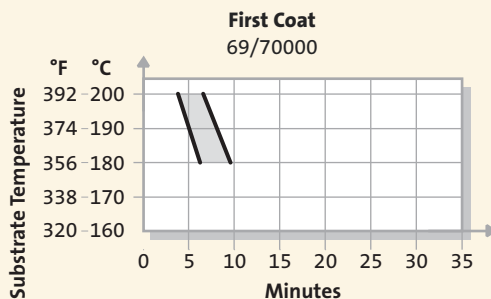
## Special Applications — TIGER Shield System

In highly corrosive conditions, such as found in coastal regions (salt, fog) or industrial atmospheres, a 2-coat system of TIGER Drylac® Dryprotector Primer 69/70000 plus a topcoat of Series 75 is highly recommended. Both products are engineered to complement each other and offer an excellent corrosion barrier. This 2-coat system warrants an optimum non-porous film, as well as excellent UV protection. Base coat must be applied over a clean dry substrate, free of contaminants and oxidation. Note: Time lapse between application of Dryprotector Primer and Series 75 topcoat must not exceed 12 hours.

## Theoretic Coverage

The Specific Gravity of 69/70000 Dryprotective Primer is  $1.6 \pm 0.1 \text{ g/cm}^3$ . The TIGER Shield system (primer plus top coat) is normally applied between 4.0 and 5.0 mils / 90-125 microns.

## Cure Parameters



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Powder Coatings for a Sustainable World





TIGER Drylac® **Sea Shell White**  
75/10130 30±5\*



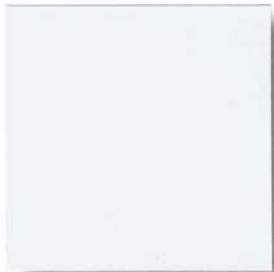
TIGER Drylac® **Taupe**  
75/70070 30±5\*



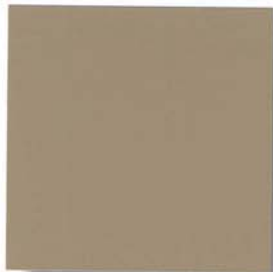
TIGER Drylac® **Koko Brown**  
75/60018 30±5\*



TIGER Drylac® **Aged Copper**  
75/60006 20±5\*



TIGER Drylac® **Bone White**  
75/10070 20±5\*



TIGER Drylac® **Sierra Tan**  
75/15022 30±5\*



TIGER Drylac® **Boysenberry**  
75/30033 20±5\*



TIGER Drylac® **Ivy Green**  
75/50080 30±5\*



TIGER Drylac® **Sky Grey** (RAL 7035)  
75/70048 30±5\*



TIGER Drylac® **Ash Grey**  
75/70025 30±5\*



TIGER Drylac® **Redwood**  
75/30041 30±5\*



TIGER Drylac® **Classic Green**  
75/50037 30±5\*



TIGER Drylac® **Almond**  
75/15013 30±5\*



TIGER Drylac® **Slate Grey**  
75/70019 30±5\*



TIGER Drylac® **Brick Red**  
75/30028 20±5\*



TIGER Drylac® **Hartford Green**  
75/50110 30±5\*



TIGER Drylac® **Sandstone**  
75/15012 30±5\*



TIGER Drylac® **Medium Bronze**  
75/60014 30±5\*



TIGER Drylac® **Seafoam Green  
Metallic** 75/50035



TIGER Drylac® **Statuary Bronze**  
75/60080 30±5\*



TIGER Drylac® **Medium Bronze Metallic** 75/60060



TIGER Drylac® **Bianco 750** 75/10001 68±7\*



TIGER Drylac® **Deore 732 Metallic** 75/60003



TIGER Drylac® **Azzuro 781 Metallic** 78/40004



TIGER Drylac® **Interstate Blue** 75/40025 20±5\*



TIGER Drylac® **Bianco 751** 75/10003 42±7\*



TIGER Drylac® **Argento 706 Metallic** 75/15007



TIGER Drylac® **Champagne 772 Metallic** 75/15004



TIGER Drylac® **Military Blue** 75/40051 20±5\*



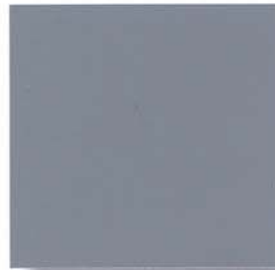
TIGER Drylac® **Crème 761** 75/15003 42±7\*



TIGER Drylac® **Champagne 770 Metallic** 75/15006



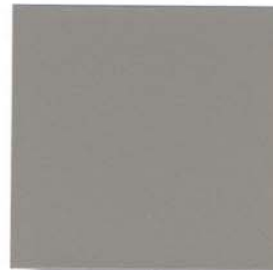
TIGER Drylac® **Highland 790 Metallic** 75/50004



TIGER Drylac® **Silver Grey** (RAL 7045) 75/70049 30±5\*



TIGER Drylac® **Bianco 752** 75/10002 57±7\*



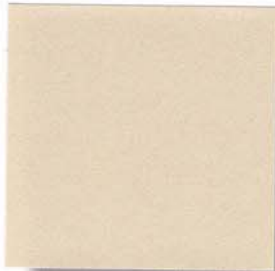
TIGER Drylac® **Champagne 771 Metallic** 75/15005



TIGER Drylac® **Rosso 791 Metallic** 75/30001



TIGER Drylac® **Jet Black** (RAL 9005) 75/80020 30±5\*



TIGER Drylac® **Crème 762 Metallic** 75/15001



TIGER Drylac® **Azzuro 780 Metallic** 75/40001



TIGER Drylac® **Rosso 792 Metallic** 75/30002

\*Gloss level according to Gardner 60° ASTM D523. Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.



# fluoropolymer



TIGER Drylac® **Grey Classic 721**  
75/70003 57±7\*



TIGER Drylac® **Argento 704**  
**Metallic** 75/90003



TIGER Drylac® **Grey Classic 722**  
**Metallic** 75/70001



TIGER Drylac® **Argento 701**  
**Metallic** 75/90004



TIGER Drylac® **Argento 705**  
**Metallic** 75/90002



TIGER Drylac® **Grey Classic 723**  
75/70002 30±5\*



TIGER Drylac® **Crème 760**  
75/15002 30±5\*



TIGER Drylac® **Mica 710 Metallic**  
75/90006



TIGER Drylac® **Deore 731 Metallic**  
75/90009



TIGER Drylac® **Argento 702**  
**Metallic** 75/90012



TIGER Drylac® **Mica 711 Metallic**  
75/90008



TIGER Drylac® **Carbon 741 Metallic**  
75/80002



TIGER Drylac® **Argento 703**  
**Metallic** 75/90013



TIGER Drylac® **Mica 712 Metallic**  
75/90005



TIGER Drylac® **Carbon 742 Metallic**  
75/80001

\*Gloss level according to Gardner 60° ASTM D523.  
Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.

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