

Super Durable
Super Durable Powder Coatings | Volume 2



# Vol. 2

**TIGER Drylac® Series 38/138** is available in smooth glossy finish (gloss level 80-95) in the following RAL colors as standard-products and custom-products (minimum order quantity applies). Please contact **TIGER Drylac®** for more information:

| RAL color | Product ID             |
|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|------------------------|
| RAL 1001  | 38/15001<br>138/15001 | RAL 6001  | 38/50005<br>138/50005 | RAL 6029  | 38/50029<br>138/50029 | RAL 7030  | 38/70027<br>138/70027 | RAL 8008  | 38/60008<br>*138/60008 |
| RAL 1002  | 38/20002<br>138/20002 | RAL 6003  | 38/50003<br>138/50003 | RAL 6032  | 38/50032<br>138/50032 | RAL 7031  | 38/70031<br>138/70031 | RAL 8011  | 38/60011<br>138/60011  |
| RAL 1013  | 38/10013<br>138/10013 | RAL 6004  | 38/50004<br>138/50004 | RAL 6033  | 38/50033<br>138/50033 | RAL 7032  | 38/70001<br>138/70001 | RAL 8012  | 38/60012<br>138/60012  |
| RAL 1014  | 38/15014<br>138/15014 | RAL 6005  | 38/50002<br>138/50002 | RAL 6034  | 38/50034<br>138/50034 | RAL 7033  | 38/70033<br>138/70033 | RAL 8014  | 38/60010<br>138/60010  |
| RAL 1015  | 38/15015<br>138/15015 | RAL 6006  | 38/50006<br>138/50006 | RAL 7000  | 38/70000<br>138/70000 | RAL 7035  | 38/70035<br>138/70035 | RAL 8016  | 38/60016<br>138/60016  |
| RAL 1016  | 38/20016<br>138/20016 | RAL 6007  | 38/50007<br>138/50007 | RAL 7002  | 38/70007<br>138/70007 | RAL 7036  | 38/70036<br>138/70036 | RAL 8017  | 38/60017<br>138/60017  |
| RAL 1019  | 38/15019<br>138/15019 | RAL 6008  | 38/50008<br>138/50008 | RAL 7004  | 38/70004<br>138/70004 | RAL 7037  | 38/70037<br>138/70037 | RAL 8019  | 38/60019<br>138/60019  |
| RAL 1020  | 38/20020              | RAL 6009  | 38/50009<br>138/50009 | RAL 7005  | 38/70005<br>138/70005 | RAL 7038  | 38/70038<br>138/70038 | RAL 8022  | 38/60022<br>138/60022  |
| RAL 1024  | 38/20024<br>138/20024 | RAL 6011  | 38/50011<br>138/50011 | RAL 7006  | 38/70006<br>138/70006 | RAL 7039  | 38/70039<br>138/70039 | RAL 8024  | 38/60024<br>138/60024  |
| RAL 3012  | 38/30012<br>138/30012 | RAL 6012  | 38/50012<br>138/50012 | RAL 7009  | 38/70009<br>138/70009 | RAL 7040  | 38/70046<br>138/70046 | RAL 8025  | 38/60025<br>138/60025  |
| RAL 5004  | 38/40004<br>138/40004 | RAL 6013  | 38/50013<br>138/50013 | RAL 7010  | 38/70014<br>138/70014 | RAL 7042  | 38/70042<br>138/70042 | RAL 8028  | 38/60028<br>138/60028  |
| RAL 5007  | 38/40007<br>138/40007 | RAL 6016  | 38/50016<br>138/50016 | RAL 7011  | 38/70011<br>138/70011 | RAL 7043  | 38/70043<br>138/70043 | RAL 9001  | 38/10001<br>138/10001  |
| RAL 5008  | 38/40008<br>138/40008 | RAL 6017  | 38/50017<br>138/50017 | RAL 7012  | 38/70012<br>138/70012 | RAL 7044  | 38/70044<br>138/70044 | RAL 9002  | 38/10002<br>138/10002  |
| RAL 5011  | 38/40011<br>138/40011 | RAL 6018  | 38/50018<br>138/50018 | RAL 7013  | 38/70013<br>138/70013 | RAL 7045  | 38/70045<br>138/70045 | RAL 9003  | 38/10003<br>138/10003  |
| RAL 5013  | 38/40013<br>138/40013 | RAL 6019  | 38/50019<br>138/50019 | RAL 7015  | 38/70015<br>138/70015 | RAL 7046  | 38/70002<br>138/70817 | RAL 9004  | 38/80004<br>138/80004  |
| RAL 5017  | 38/40017<br>138/40017 | RAL 6020  | 38/50020<br>138/50020 | RAL 7016  | 38/70016<br>138/70016 | RAL 7047  | 38/70047<br>138/70047 | RAL 9005  | 38/80010<br>138/80010  |
| RAL 5018  | 38/40020<br>138/40020 | RAL 6021  | 38/50021<br>138/50021 | RAL 7021  | 38/70021<br>138/70021 | RAL 8001  | 38/60005<br>138/60005 | RAL 9010  | 38/10004<br>138/10004  |
| RAL 5019  | 38/40019<br>138/40019 | RAL 6022  | 38/50022<br>138/50022 | RAL 7022  | 38/70022<br>138/70022 | RAL 8002  | 38/60002<br>138/60002 | RAL 9011  | 38/80001<br>138/80001  |
| RAL 5020  | 38/40018<br>138/40018 | RAL 6026  | 38/50026<br>138/50026 | RAL 7023  | 38/70023<br>138/70827 | RAL 8003  | 38/60003<br>138/60003 | RAL 9016  | 38/10010<br>138/10010  |
| RAL 5021  | 38/40021<br>138/40021 | RAL 6027  | 38/50027<br>138/50027 | RAL 7024  | 38/70024<br>138/70024 | RAL 8004  | 38/60004<br>138/60004 | RAL 9017  | 38/80017<br>138/80017  |
| RAL 6000  | 38/50000<br>138/50000 | RAL 6028  | 38/50028<br>138/50028 | RAL 7026  | 38/70026<br>138/70026 | RAL 8007  | 38/60007<br>138/60007 | RAL 9018  | 38/10018<br>138/10018  |

<sup>\*</sup> Aprx to RAL 8008

### TIGER Drylac<sup>®</sup> Color Cards

Additional **TIGER Drylac®** Color Cards include: 3D Metallics, RAL Colors + Textured and Smooth, Metallics & Special Effects, Kiosk Color Card, Navy, CARC¹, Agriculture, Construction & Earth Moving Equipment (ACE)² and Series 29².

#### Disclaimer

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

Color swatches are considered as an indicator only. In practice, discrepancy between the color swatch and the actual powder coating may be present due to: paper and ink limitations, the influence of light and heat during the color swatch production, gloss level, substrate, surface variation, binder and pigment systems, coating thickness or cure oven conditions used during application. For better accuracy of color and finish, it is recommended to obtain a powder coated sample panel from **TIGER Drylac®**.

Semi transparent colors require a durable primer chemistry. Please contact TIGER Drylac® if using the following products in a two-coat system consisting of a primer or e-coat base coat: TIGER Drylac® 38/90080 Brilliant Sparkle Silver and/or TIGER Drylac® 38/99999 Bengal Silver.

TIGER Drylac® Super Durable products with a fine texture finish are recommended for use with a base coat primer.

## Super Durable powder coatings for exterior and interior applications

**TIGER Drylac®** features a full line of **Super Durable** high-performance powder coatings intended for architectural applications such as metal façades, steel construction, stadium seating, railings, residential window & door frames and more. **TIGER Drylac® Super Durable** products are also suitable for applications where extreme weather resistance is required such as agricultural & construction equipment, military (Army and Navy) equipment, communication towers, playground equipment, patio furniture and garden equipment.

### Please note the following TIGER Drylac® series include Super Durable products:

| 361163 30  | Super Durable polyester                           |
|------------|---|
| Series 138 | Super Durable TGIC-Free polyester                 |
| Series 61  | Super Durable Anodized Effect polyester TGIC-Free |
| Series 68  | 3D Metallic, Super Durable TGIC-Free polyester    |

### **NEW - Series 138**

Carios 20 Cupar Durable polyest

TIGER Drylac® Series 138 are TGIC-Free Super Durable powder coatings with "Flex Cure" a uniquely designed flexible curing technology to accommodate a quicker crosslinking of the chemistry. Series 138 powder coatings feature reliable performance characteristics favorable to Series 38 Super Durable formulations.

### **TIGER Shield system**

This two-coat system consists of a corrosion protective primer as a base coat and an opaque weather resistant topcoat. It is used to achieve excellent corrosion resistance in harsh environments.

TIGER Drylac® Dryprotector, (69/70000), Zinc-Rich Primer (69/90500 - 69/90701 in Canada only) and Zinc-Free OGF Primer (09/73841) are primers recommended to achieve an optimum non-porous film. For additional information on the application of the TIGER Shield system, refer to the latest Product Data Sheets for these primers, which can be found on the TIGER Coatings website.

### **Bureau of Land Management (BLM) Standard Environmental Colors**

The US Bureau of Land Management Standard Environmental Colors were developed by government to minimize visual contrast with background landscaping and ensure proper color selection for facilities. **TIGER Drylac® Super Durable** products in BLM colors are approved to US government standards due to their outstanding weather and UV resistance, engineered to withstand extended exposure to harsh environments.

### **3D Metallic Powder Coatings**

Until now one-coat powder coatings could not match the visual performance provided by wet effect paints. However, **TIGER Coatings** is now opening spheres previously out of reach with **3D Metallics**. The coating features a breathtaking, three-dimensional effect with stunning depth, spatial clarity and unsurpassed brightness. These effects remain visible at a considerable distance and from different perspectives.

With **TIGER Drylac® 3D Metallics**, many areas of industrial surface finishing may now draw on the 'green' technology of powder coating and move away from solvent-based wet paints.

TIGER Drylac® 3D Metallics are a Super Durable formulation. See our Series 68 Color Card for details.

### **New Product – Weathered Steel Finishes**

**TIGER Drylac®** introduces two new finishes to replicate the comforting look and tactile feel of naturally weathered steel. **Weathered Steel Ambra** pleasingly resembles orange rust on iron, while **Weathered Steel Viola** exhibits deep reds and burgundies that blossom only after oxidation has occurred over many years. These finishes are easy to maintain and will retain their original color without unsightly stains and degradation that occur with rusting iron.

<sup>&</sup>lt;sup>1</sup> Must be a qualified applicator to order.

<sup>&</sup>lt;sup>2</sup> Digital color card only. Visit TIGERs website to download.





### **BLM**

BLM | 38/16500

BLM | 38/52600

Shale Green | gloss level 55-65



BLM | 38/60500 Carob Brown | gloss level 55-65



BLM | 138/60400 Sudan Brown | gloss level 55-65

BLM | 38/50500



anodized effect | 61/00015 Silver (clear)

**ANODIZED** 



anodized effect | 61/78003 Champagne



anodized effect | 61/78002 Carlsbad Canyon Brown | gloss level 55-65 | Covert Green | gloss level 55-65 **Light Bronze** 





anodized effect | 61/68002 Medium Bronze



anodized effect | 61/68001 Dark Bronze



anodized effect | 61/80079 Black



BLM | 38/50400 Beetle | gloss level 55-65



BLM | 38/53000 Yuma Green | gloss level 55-65



**BLM** | 38/71700





primer | 09/73841 OGF | gloss level 65-75

primer | 69/70000

Dryprotector | gloss level 1-5

primer | 69/90500 (USA/Mexico) 69/90701 (Canada) Zinc-Rich Primer | gloss level 60-90

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

### TIGER WORLDWIDE NETWORK



tiger-coatings.com

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







### TIGER Drylac® Architectural Powder Coatings

A unique collections of powder coatings compliant with AAMA specifications for North American manufacturers and designers.

#### **Features**

High performance architectural powder coating featuring:

- 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
- Marine Equipment
- Curtain Walls
- Window & Door Frames
- Railings
- Light Poles

### TIGER Drylac® Series 75

Hyper Durable Powder Coatings for Architectural Aluminum Applications

**TIGER Drylac® Series 75** is a Hyper Durable powder coating offering superior weatherability for architectural aluminum applications meeting the performance requirements described within AAMA 2605-20¹. AAMA 2605 is the highest performance standard for superior performance organic coatings applied to architectural products. Series 75 flouropolymer powder coatings offer an environmentally friendly alternative to liquid coatings, achieving greater than 2.5 mil of dry film in a single application. The resulting finish is a corrosion resistant, mechanically robust, protective coating providing superior resistance to chalking and color fade².

Our products within **Series 75** are only available to **TIGER Drylac®** approved applicators for applications with an approved pretreatment on aluminum.

Series 75

### TIGER Drylac® Series 38/138

Super Durable Powder Coatings for exterior and interior applications

TIGER Drylac® Series 38 polyester TGIC super durable, and TIGER Drylac® Series 138 TGIC-free super durable powder coatings are compliant with the American Architectural Manufacturing Association's specification AAMA 2604³, offering excellent weather and UV resistance. Based on 5-year Florida exposure, TIGER Drylac® Series 38/138 exhibits ≤Δε 5.0 (Hunter) color change and > 30% gloss retention. TGIC-Free chemistry is also available for global distribution as TIGER Drylac® Series 58. Series 58 is fully compliant with AAMA 2604 offering the same level of performance and protection.

For more information on **Series 38/Series 138** super durable powder coatings please refer to our Super Durable color card.

For more information on **Series 58** TGIC-Free super durable powder coatings please refer to our product data sheet available on our website or consult with your **TIGER Drylac®** sales representative. **Series 58** is only available to approved architectural applicators.

38 138 58

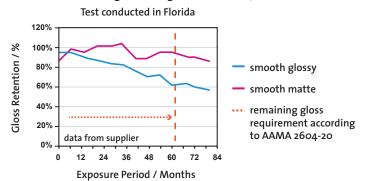
 $<sup>^{\</sup>mbox{\tiny 1}}\mbox{AAMA}$  2605 compliance is dependent upon the color and/or effect.

<sup>&</sup>lt;sup>2</sup>Colors lighter than RAL 7000 in hue may prematurely chalk in extreme conditions due to the limitations of white pigment titanium dioxide.

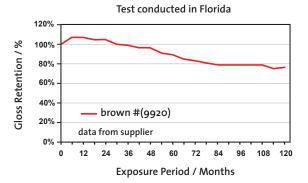
<sup>&</sup>lt;sup>3</sup>AAMA 2604 compliance is dependent upon the color and/or effect.

### Weather resistance of TIGER Drylac® Architectural Powder Coatings

### Weather resistance testing according to AAMA 2604



### Weather resistance testing according to AAMA 2605-20



**TIGER Drylac**° offers a variety of standard architectural products listed in the chart below.

| COLOR NAME                                   | Туре        | AAMA 2         | 604        | AAMA 2605      |            |  |
|--|-------------|----------------|------------|----------------|------------|--|
| COLOR NAME                                   |             | PRODUCT NUMBER | GLOSS      | PRODUCT NUMBER | GLOSS      |  |
| ky Grey <sup>†</sup>                         | Solid Color | 038/70048      | 25 - 35    | 075/70294      | 45 - 55    |  |
| Dark Anodized Bronze                         | Solid Color | 038/60090      | 25 - 35    | 075/60091      | 30 - 40    |  |
| Medium Bronze                                | Solid Color | 038/60014      | 20 - 30    | 075/60088      | 30 - 40    |  |
| (Silver) Grey <sup>†</sup>                   | Solid Color | 038/70049      | 25 - 35    | 075/70299      | 45 - 55    |  |
| Statuary Bronze                              | Solid Color | 038/60080      | 25 - 35    | 075/60090      | 30 - 40    |  |
| laupe la | Solid Color | 038/70070      | 25 - 35    | 075/70307      | 30 - 40    |  |
| Sandstone <sup>†</sup>                       | Solid Color | 038/15012      | 25 - 35    | 075/15061      | 45 - 55    |  |
| Redwood                                      | Solid Color | 038/30041      | 25 - 35    | 075/30015      | 30 - 40    |  |
| nterstate Blue                               | Solid Color | 038/40025      | 16 - 25    | 075/40030      | 30 - 40    |  |
| ilate Grey                                   | Solid Color | 038/70019      | 25 - 35    | 075/70302      | 30 - 40    |  |
| ierra Tan†                                   | Solid Color | 038/15002      | 25 - 35    | 075/15059      | 45 - 55    |  |
| Bone White <sup>†</sup>                      | Solid Color | 038/10070      | 25 - 35    | 075/10079      | 45 - 55    |  |
| Almond <sup>†</sup>                          | Solid Color | 038/15003      | 25 - 35    | 075/15060      | 45 - 55    |  |
| Brick Red                                    | Solid Color | 038/30028      | 16 - 25    | 075/30010      | 30 - 40    |  |
| Boysenberry                                  | Solid Color | 038/30033      | 16 - 25    | 075/30014      | 30 - 40    |  |
| vy Green                                     | Solid Color | 038/50080      | 25 - 35    | 075/50020      | 30 - 40    |  |
| Hartford Green                               | Solid Color | 038/50110      | 25 - 35    | 075/50025      | 30 - 40    |  |
| Aged Copper                                  | Solid Color | 038/60006      | 16 - 25    | 075/60087      | 45 - 55    |  |
| Koko Brown                                   | Solid Color | 038/60018      | 25 - 35    | 075/60089      | 30 - 40    |  |
| Ash Grey                                     | Solid Color | 038/70025      | 25 - 35    | 075/70303      | 30 - 40    |  |
| Military Blue                                | Solid Color | 038/40051      | 25 - 35    | 075/40031      | 30 - 40    |  |
| iea Shell White†                             | Solid Color | 038/10130      | 25 - 35    | 075/10081      | 55 - 65    |  |
| et Black                                     | Solid Color | 038/80020      | 26 - 35    | 075/80020      | 35 - 45    |  |
| Charcoal Grey                                | Solid Color | 038/70780      | 25 - 35    | 075/70312      | 30 - 40    |  |
| Medium Bronze Metallic                       | Metallic    | 038/60060      | Satin      | 075/68004      | Semi Matte |  |
| Medium Bronze Anodized                       | Metallic    | 061/68002      | Satin      | 075/68009      | Semi Matte |  |
| Argento 314 Metallic                         | Metallic    | 138/90018      | Glossy     | 075/78009      | Semi Matte |  |
| Champagne 303 Metallic                       | Metallic    | 038/15020      | Stain      | 075/15046      | Semi Matte |  |
| Pearl Dark Grey                              | Metallic    | 038/90015      | Satin      | 075/78014      | Semi Matte |  |
| Anodized Silver                              | Metallic    | 138/91021      | Semi Gloss | 075/90127      | Semi Matte |  |

### **Custom Colors**

TIGER Drylac® offers custom color matching\* with as little as 88lb/4okg for solid and 396lb/18okg for metallic\*\*.

<sup>\*\*</sup> Metallic colors and effect may vary due to the product chemistry therefore a sample panel should be requested for official color approval. Custom matching is available. Please contact your TIGER Sales Representative for additional details.



<sup>†</sup>Series 75 colors marked with this symbol and those lighter than RAL 7000 in hue may prematurely chalk in extreme conditions due to the limitations of white pigment titanium dioxide.

<sup>\*</sup> 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-by-case basis are necessary.