



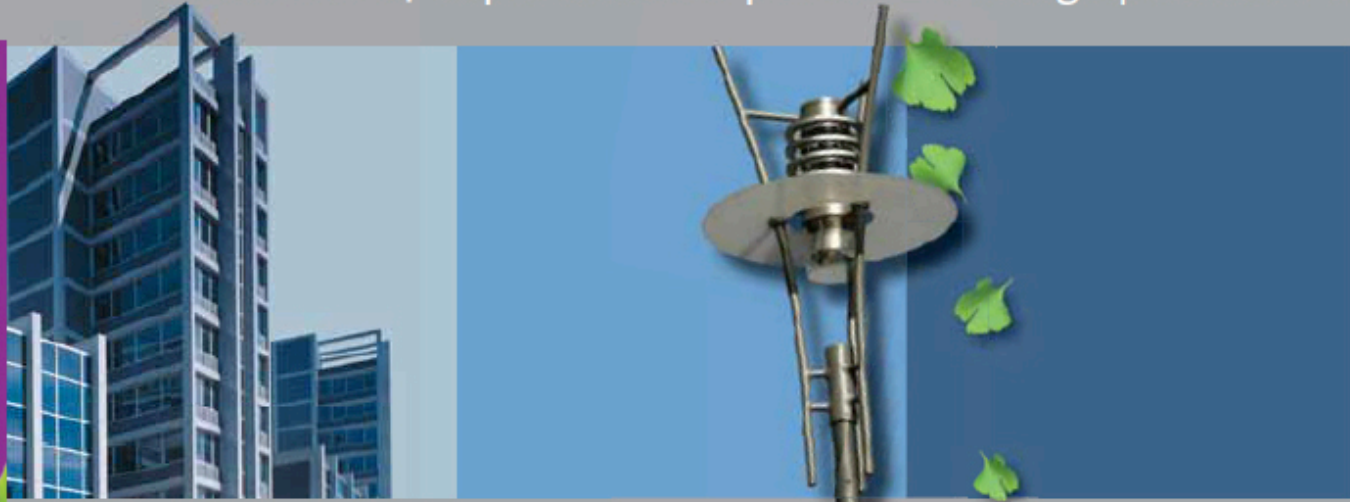
Drylac®
POWDER COATINGS



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Series 38

AAMA 2604 super durable powder coatings | Volume 2



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Super durable powder coatings for exterior and interior architectural applications



This color chart features a wide selection of **TIGER Drylac® Series 38** high performance powder coatings intended for architectural applications such as metal façades, steel constructions, stadium seating, railings and residential window and door frames.

TIGER Drylac® Series 38 is also suitable for industrial applications where a high performance weather resistance is required such as agricultural equipment, external ship components, military equipment, communication towers, playground equipment, patio furniture and garden equipment.

AAMA 2604 compliance

TIGER Drylac® Series 38 complies with the American Architectural Manufacturing Association's specification AAMA 2604*. It imparts excellent weather and UV resistance. Based on 5-year Florida exposure, **TIGER Drylac® Series 38** exhibits $\leq \Delta E$ 5.0 (Hunter) color change and > 30% gloss retention.

* AAMA 2604 compliance is dependent upon the color and or effect.

TIGER Shield® system

To achieve excellent corrosion resistance in marine environments and coastal regions where objects coated are directly exposed to salt and fog conditions, it is recommended to use **TIGER Shield®** system.

TIGER Shield® is a two-coat system consisting of a corrosion protective primer as base coat and an opaque weather resistant **TIGER Drylac®** powder coating as top coat.

Dryprotector, TIGER Drylac® 69/70000, Zinc-Rich Primer, TIGER Drylac® 69/90500 (69/90701 Canada only) and zinc-free **OGF Primer, TIGER Drylac® 09/73841** are recommended primers to achieve an optimum non-porous film. For additional information on the application of **TIGER Shield®** system, it is recommended to refer to the latest edition of the Product Data Sheets of these primers.

Standard BLM colors

The Bureau of Land Management Standard Environmental Colors (BLM) were developed by the American government to minimize adverse visual contrast with the background landscape and ensure proper color selection for a facility.

BLM colors in **TIGER Drylac® Series 38** are weather and UV resistant and can withstand long exposure to harsh environments.

Color swatches featured in this color chart have been matched to color standards at a 60-degree visual angle under a D65 Daylight primary source. Gloss level on metallic and fine textured swatches cannot be accurately measured.

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

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



Drylac®



TIGER Drylac® Series 38 is also available in a smooth glossy finish (gloss level 85±5) in 107 RAL colors

RAL color Product ID	RAL color Product ID	RAL color Product ID	RAL color Product ID
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	



metallic | 38/90018
Argento 314



metallic | 38/20014
Deore 302 ***



metallic | 38/50043
Highland 301



metallic | 38/60060
Medium Bronze

For visual inspection of RAL colors, please refer to the latest edition of "RAL colors, Interior and exterior applications" color chart from TIGER Drylac®.

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

To eliminate adverse inaccuracies related to color and finish during the specification process, it is highly recommended to indicate the TIGER Drylac® product ID along with the RAL number.

NOTE: All colors with asterisks subject to a 15% premium.

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metallic | 38/90016
Argento 312



metallic | 38/90011
Argento 308



metallic | 38/90009
Argento 307



metallic | 38/90007
Argento 305



metallic | 38/90003
Argento 301



metallic | 38/20013
Deore 301



metallic | 38/15021
Champagne 304



metallic | 38/15020
Champagne 303



metallic | 38/15018
Champagne 302



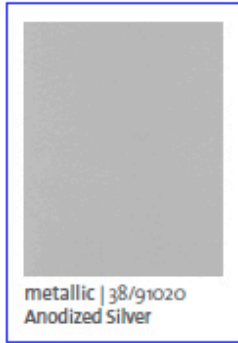
metallic | 38/15017
Champagne 301



metallic | 38/50035
Seafoam Green



metallic | 38/90010
Marine Silver One Coat



metallic | 38/91020
Anodized Silver



metallic | 38/99999 **NEW**
Bengal Silver ***



metallic | 38/90080 **NEW**
Brilliant Sparkle Silver
** | ***



metallic | 38/60064
Pearl Copper



metallic | 38/40127
Pearl Night Blue



metallic | 38/90015
Pearl Dark Grey



clear | 38/00088 **NEW**
Clear Matte ♣
gloss level 10±5



clear | 38/00001
Clear Glossy ♣
gloss level 85±



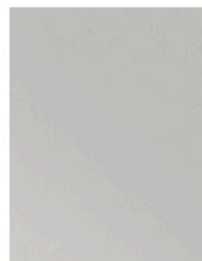
fine texture →
all colors can be custom-
made in this finish



primer
69/90500 (USA and Mexico)
69/90701 (Canada)
Zinc-Rich Primer | gloss level 70±5



primer | 69/70000
Dryprotector
gloss level 3±2



primer | 09/73841
OGF
gloss level 70±5

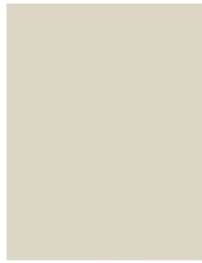


satin | 38/15002
Sierra Tan ***
gloss level 30±5

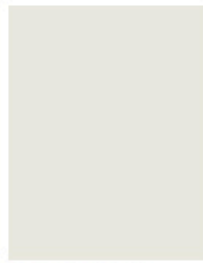
NOTE: All colors with asterisks subject to a 15% premium.



satin | 38/15012
Sandstone ***
gloss level 30±5



satin | 38/15003
Almond ***
gloss level 30±5



satin | 38/10070
Bone White ***
gloss level 30±5



satin | 38/10130
Seashell White ***
gloss level 30±5



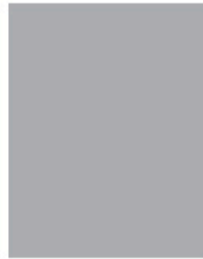
semi matte | 38/11401 **NEW**
Pompano White ***
gloss level 45±5



satin | 38/70070
Taupe ***
gloss level 30±5



satin | 38/70019
Slate Grey
gloss level 30±5



satin | 38/70049
Grey
gloss level 30±5



satin | 38/70025
Ash Grey
gloss level 30±5



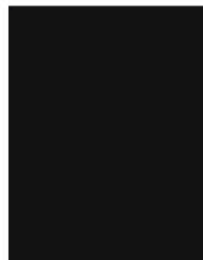
satin | 38/70048
Sky Grey
gloss level 30±5



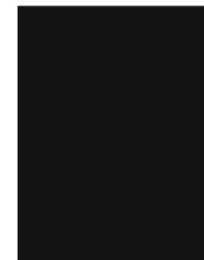
matte | 38/40025
Interstate Blue
gloss level 20±5



satin | 38/40051
Military Blue
gloss level 25±5



semi gloss | 38/81009
Railing Black
gloss level 60±5



satin | 38/80020
Jet Black
gloss level 30±5



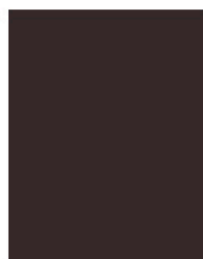
satin | 38/60018
Koko Brown
gloss level 30±5



satin | 38/60080
Statuary Bronze
gloss level 30±5



satin | 38/60014
Medium Bronze
gloss level 30±5



matte | 38/60090
Dark Anodized Bronze
gloss level 20±5



satin | 38/30041
Redwood
gloss level 30±5



matte | 38/30028
Brick Red
gloss level 20±5



matte | 38/30033
Boysenberry
gloss level 20±5



matte | 38/60006
Aged Copper
gloss level 20±5



satin | 38/50080
Ivy Green
gloss level 30±5



satin | 38/50037
Classic Green
gloss level 30±5

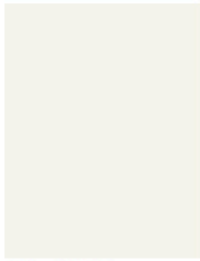


satin | 38/50110
Hartford Green
gloss level 30±5

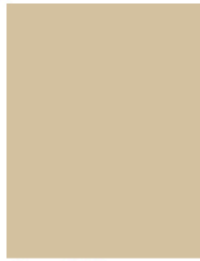
NOTE: All colors with asterisks subject to a 15% premium.



glossy | 38/10007
Bianco 302 ***
gloss level 85±5



glossy | 38/10090
Extrusion White ***
gloss level 80-95



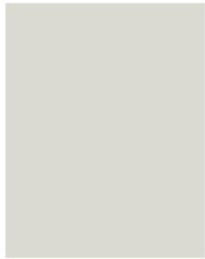
glossy | 38/15005
Creme 301 ***
gloss level 80-95



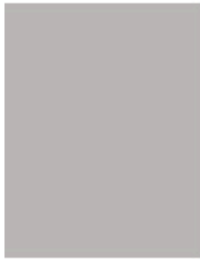
glossy | 38/15007
Creme 303 ***
gloss level 85±5



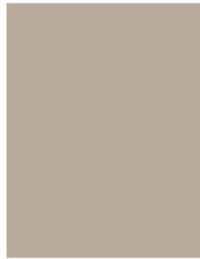
glossy | 38/15009
Creme 305 ***
gloss level 80-95



glossy | 38/70032
Grey Classic 303
gloss level 80-95



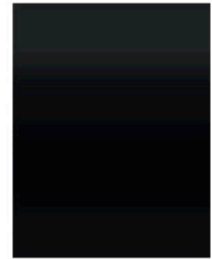
glossy | 38/70054
Grey Classic 308
gloss level 85±5



glossy | 38/70056
Grey Classic 310
gloss level 80-95



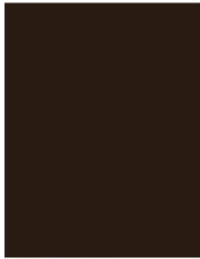
glossy | 38/70061
Grey Classic 314
gloss level 80-95



glossy | 38/80002
Carbon 301
gloss level 85±5



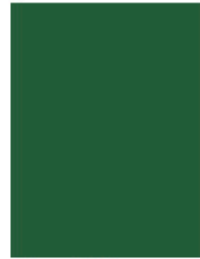
glossy | 38/60026
Marrone 306
gloss level 85±5



glossy | 38/60039
Marrone 308
gloss level 80-95



glossy | 38/50039
Highland 305
gloss level 85±5



glossy | 38/50040
Highland 306
gloss level 85±5



glossy | 38/50041
Highland 307
gloss level 85±5



BLM | 38/60500
Carob Brown
gloss level 60±5



BLM | 38/60400
Sudan Brown
gloss level 60±5



BLM | 38/71700
Shadow Gray
gloss level 60±5



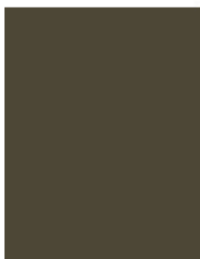
BLM | 38/16500
Carlsbad Canyon Brown
gloss level 60±5



glossy | 38/40033
Azzurro 307
gloss level 85±5



BLM | 38/50400
Beetle
gloss level 65±5



BLM | 38/53000
Yuma Green
gloss level 60±5



BLM | 38/51400
Juniper Green
gloss level 60±5



BLM | 38/50500
Covert Green
gloss level 60±5



BLM | 38/52600
Shale Green
gloss level 60±5

NOTE: All colors with asterisks subject to a 15% premium.



Drylac®
POWDER COATINGS



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RAL colors

Interior and exterior applications



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 RAL 6006 49/52870 • 38/50006	 RAL 6022 49/52690 • 38/50022	 RAL 7006 49/72580 • 38/70006			
 RAL 6007 49/52860 • 38/50007	 RAL 6026 49/52660 • 38/50026	 RAL 7009 49/72770 • 38/70009			
 RAL 6008 49/53240 • 38/50008	 RAL 6027 49/50990 • 38/50027	 RAL 7010 49/72560 • 38/70014			
 RAL 6009 49/52840 • 38/50009	 RAL 6028 49/52650 • 38/50028	 RAL 7011 49/72790 • 38/70011	 RAL 7033 49/72510 • 38/70033	 RAL 8001 49/66160 • 38/60005	 RAL 8024 49/66060 • 38/60024
 RAL 6010 49/52830 • 38/50031	 RAL 6029 49/52640 • 38/50029	 RAL 7012 49/71180 • 38/70012	 RAL 7035 49/73510 • 38/70035	 RAL 8002 49/66150 • 38/60002	 RAL 8025 49/66050 • 38/60025
 RAL 6011 49/52820 • 38/50011	 RAL 6032 49/52630 • 38/50032	 RAL 7013 49/72550 • 38/70013	 RAL 7036 49/72950 • 38/70036	 RAL 8003 49/66140 • 38/60003	 RAL 8028 49/66500 • 38/60028
 RAL 6012 49/51540 • 38/50012	 RAL 6033 49/55010 • 38/50033	 RAL 7015 49/72820 • 38/70015	 RAL 7037 49/72480 • 38/70037	 RAL 8004 49/66130 • 38/60004	 RAL 9001 49/10016 • 38/10001
 RAL 6013 49/52810 • 38/50013	 RAL 6034 49/55020 • 38/50034	 RAL 7016 49/72830 • 38/70016	 RAL 7038 49/72470 • 38/70038	 RAL 8007 49/66120 • 38/60007	 RAL 9002 49/70520 • 38/10002
 RAL 6016 49/51020 • 38/50016	 RAL 7000 49/72700 • 38/70000	 RAL 7021 49/72540 • 38/70021	 RAL 7039 49/71020 • 38/70039	 RAL 8008 49/66110 • 38/60008	 RAL 9003 49/11400 • 38/10003
 RAL 6017 49/52780 • 38/50017	 RAL 7002 49/72720 • 38/70007	 RAL 7022 49/72850 • 38/70022	 RAL 7040 49/75470 • 38/70046	 RAL 8011 49/66100 • 38/60011	 RAL 9004 49/81950 • 38/80004
 RAL 6018 49/52720 • 38/50018	 RAL 7004 49/73300 • 38/70004	 RAL 7023 49/72530 • 38/70023	 RAL 7042 49/73250 • 38/70042	 RAL 8012 49/66090 • 38/60012	 RAL 9005 49/82830 • 38/80010
 RAL 6019 49/51000 • 38/50019	 RAL 7005 49/72590 • 38/70005	 RAL 7024 49/72870 • 38/70024	 RAL 7043 49/72460 • 38/70043	 RAL 8014 49/65230 • 38/60010	 RAL 9010 49/11500 • 38/10004
 RAL 6020 49/52710 • 38/50020	 RAL 9018 49/72490 • 38/10018	 RAL 7026 49/72880 • 38/70026	 RAL 7044 49/75480 • 38/70044	 RAL 8016 49/66080 • 38/60016	 RAL 9016 49/11340 • 38/10010
 RAL 6021 49/52700 • 38/50021	 RAL 7030 49/72890 • 38/70027	 RAL 7045 49/77890 • 38/70045	 RAL 8019 49/65490 • 38/60019	 RAL 8017 49/65220 • 38/60017	 RAL 9017 49/80550 • 38/80017

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Powder Coatings



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 RAL 1001 49/15190 • 38/15001	 RAL 1019 49/13660 • 38/15019	 RAL 1023 49/22490 • 38/20023
 RAL 1002 49/22590 • 38/20002	 RAL 1020 49/22500 • 38/20020	 RAL 1024 49/22480 • 38/20024
 RAL 1013 49/11280 • 38/10013	 RAL 1014 49/15170 • 38/15014	 RAL 1015 49/15320 • 38/15015
 RAL 5017 49/40760 • 38/40017	 RAL 5004 49/42240 • 38/40004	 RAL 6000 49/53160 • 38/50000
 RAL 5018 49/41140 • 38/40020	 RAL 5007 49/42250 • 38/40007	 RAL 6001 49/52900 • 38/50005
 RAL 5019 49/42360 • 38/40019	 RAL 5008 49/42260 • 38/40008	 RAL 6003 49/52880 • 38/50003
 RAL 5020 49/44270 • 38/40018	 RAL 5011 49/43180 • 38/40011	 RAL 6004 49/50980 • 38/50004
 RAL 5021 49/41190 • 38/40021	 RAL 5013 49/42310 • 38/40013	 RAL 6005 49/50670 • 38/50002
 RAL 1016 49/22520 • 38/20016	 RAL 3012 49/31940 • 38/30012	 RAL 8022 49/63080 • 38/60022
 RAL 7031 49/72520 • 38/70031	 RAL 7046 49/72010 • 38/70002	 RAL 8023 49/66070 • 38/60023
 RAL 7032 49/72910 • 38/70001	 RAL 7047 49/72020 • 38/70047	



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SERIES 38 – SUPER DURABLE

Polyester TGIC super durable powder coating compliant to AAMA 2604 with excellent weather resistance properties for high performance architectural exterior applications.

Typical Applications

- Metal façades.
- Steel constructions.
- Stadium seating and railings.
- Residential windows and doors.
- Patio furniture and garden equipment.
- Railings.
- Playground equipment.
- Agriculture equipment.
- External ship components, communication towers, doors and railings.
- Military camouflage.

Standard Packaging 44 lb (20 kg) box.
5 lb (2.5 kg) minipack.

Specific Gravity (ASTM D792) approximately 1.2-1.8 g/cm³
depending on pigmentation.

Theoretical Coverage at 1.5 specific gravity and
2.5 mils (60 µm) film thickness:
30.2 ft²/lb (9.8 m²/kg).

Refer also to the latest edition
of "Theoretic Powder Coating
Coverage Chart".
Version 00-1001 (imperial).
Version 00-1000 (metric).

Storage Stability 6 months at no more than
77 °F (25 °C).

Features

- Excellent weather resistance.
- Excellent UV-light resistance.
- AAMA 2604-10* compliant.
- 5 years South Florida exposure.
- Very smooth flow.
- Good storage stability.
- Good yellowing stability.

* AAMA 2604-10 compliance dependent upon the color and/or effect.

Finish and Color

- Smooth flow glossy, approximately 80-95+*.
- Smooth flow semi gloss, approximately 60±5*.
- Smooth flow matte, approximately 20±5*.

* Gloss level according to ASTM 523 at 60° angle.

Available as stock product in smooth glossy, semi gloss and matte in 70 colors. It can be custom matched in limited colors (minimum order quantity and color limitation applies).

Pretreatment (alternatives)

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

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

I Interior.
E Exterior.
A Architectural.
S Steel construction.

- 1) According to ASTM B 449.
- 2) According to GSB quality and test regulations.
- 3) Only for zinc coated parts >1.8 mils (>45 µm).
- 4) For a two-coat process/TIGER Shield®.

Processing

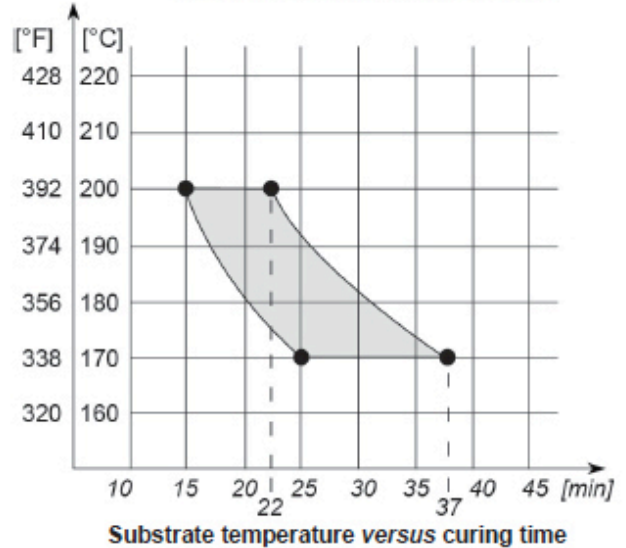


* For Tribo/Airstatic powder coatings please confirm before ordering. Suitability of metallic effects for Tribo processing must be verified prior to application. Please refer to the latest edition of the relevant Information Sheets.

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

Cure Parameters (substrate temperature)

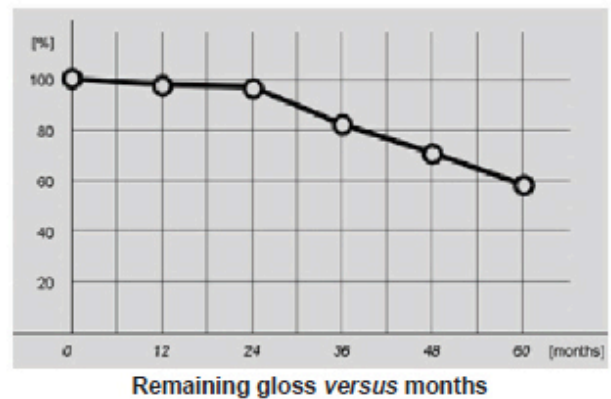
TIGER Drylac® Series 38
Cure Parameters | Smooth Glossy



To achieve a full cure and the desired mechanical properties and weatherability the time/temperature combination must fall within the cure window.

Weather Resistance

Florida exposure at 45° angle
Facing South - RAL 8014



The remaining gloss values that can be expected may vary depending on the original gloss level and color. A reasonable degree of gloss loss and color variation owing to long term UV exposure should be expected.



Series 38 Super Durable



Please Note

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

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

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

In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Any post-mechanical processing of already coated parts, such as sawing, drilling, milling, cutting and bending will result in damage of the coated surface and will subsequently weaken the corrosion protection.

Please read and understand the Material Safety Data Sheet (MSDS) before use.

Test Results

Results are checked on 1/64 inch (0.7 mm) thick yellow chromated aluminum test panel. Cure conditions are according to the cure curves. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

Test results	Test method	Series 38 Smooth Glossy
Film thickness	ISO 2360	2.5-3.5 mils (60-80 µm)
Gloss - 60°	ASTM D523	80-95+
Cross hatch adhesion test	ASTM D3359 Method B	5B
Mandrel bending test	ASTM D522	1/8 inches (3 mm).
Impact test	ASTM D2794	Up to 80 in/lb. Cracking at the perimeter of the concave area but no cracking pick off.
Pencil hardness	ASTM D3363	2H minimum.
Weathering	EN 20105 - A02	≥4
Light fastness	EC ISO 105 - B02	≥Grade7
Humidity resistance 3,000 hours	ASTM D2247	Maximum undercutting 1/32 inches (1 mm).
Acid salt spray resistance 2,000 hours	ASTM G85 Annex A5	Maximum undercutting 1/32 inches (1 mm).

5 years Florida exposure		
Color change	ASTM D2244	≤ΔE 5.0 (Hunter).
Gloss retention	ASTM D523	>80%

Cleaning recommendations: Refer to the latest edition of TIGER "Cleaning Recommendations" information sheet, Version 00-1005.

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Series 38 Super Durable



Special Applications

Objects directly exposed to salt/fog conditions in a marine environment or need heavy corrosion protection must be coated with TIGER Shield® system. Refer to the latest editions of TIGER Drylac® Product Data Sheets.

Chemical Resistance

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

As part of TIGER Drylac® product information program, Product Data Sheets are updated periodically. It is recommended to always check for the latest editions on TIGER's website. TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are given in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of TIGER products for the intended application. This Product Data Sheet supersedes all previous Product Data Sheet versions and notes published in relation to this product.

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