

Product Description

Luxury Metrol Black is water-based, direct-to-metal coating for industrial and architectural applications. This product utilizes a modified-acrylic emulsion that provides protection against weathering, and harsh environmental elements. It may be used on both exterior and interior surfaces, dries quickly.

This top coat is intended for use on most steels, including galvanized steel, aluminum, masonry, wood, drywall, and concrete.

Application Properties

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| 1) Volatile Organic Compound:
(VOC EPA Method 24) | <140 g/L |
| 2) Color: | Black |
| 3) Finish: | High-gloss |
| 4) Volume Solids: | 38% ± 2% |

Use Properties

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| 1) Shelf Life: | 3 years from date of manufacture (if unopened), store indoors |
| 2) Flash Point (SETA) | >212°F (100°C) |
| 3) Reducer: | Water (do not use organic solvents) |
| 4) Tinting: | Use standard commercially available tinting colors. Some tinting products can affect corrosion, adhesion, weathering, and other physical properties. Always test first. Use a mechanical shaker for at least 4-5 minutes to mix in the tint. |
| 5) Clean up: | Water (do not use organic solvents) |
| 6) Application Equipment: | Brush, roller, and airless or conventional spray |
| 7) Application Temperature: | 50°-110°F (10°-43°C) for surface, paint and ambient air |
| 8) Application Humidity: | Maximum of 85% relative humidity |
| 9) Storage: | Store product in accordance with local, state and federal regulations. Keep container tightly sealed and store indoors in dry conditions at 45°-100°F (7°-38°C) |

Recommended Usage

Steel, Aluminum, Wood, Galvanized, Masonry & Concrete:

1 coat of Primer, applied at 75-125 microns dry thickness;
1-2 coats of Luxury Metrol Black, applied at 30-35 microns dry thickness. Note: 2 coats top coat provides best protection.

Notes regarding Masonry & Concrete:

Best results if surface is smooth and without porous gaps. If necessary, prepare surface with mastic filler to cover gaps and holes.

Surface Preparation

Surface must be clean, dry and in sound condition, free from loose mill scales, dirt, dust, rust, oil and grease. Remove all loose scales, peeling, flaking paint, rust, corrosion and chalk from the surface before painting.

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| 1) Steel, Iron | Hand-tool clean (removing all loose mill scale, loose rust, loose paint other foreign material) |
| 2) Galvanized, Aluminum | Solvent clean (removing oil, grease, dirt and other soluble foreign |

- 3) Masonry & Concrete material)
Prepare surface to be clean and uniform (removing laitance, dust, loose concrete, and foreign contaminants)

Recommended Coverage Per Coat (Dry Film)

- 1) Dry Film Thickness per coat: 30 - 35 microns (min/max)
- 2) Wet Film Thickness per coat: 78 - 91 microns (min/max)
- 3) Theoretical Coverage per coat:
 - Minimum: 10.9 m²/L
 - Maximum: 12.8 m²/L

Note: Brush or roller application may multiply coats to achieve maximum film thickness.

Recoat Schedule @ 75 microns Dry Film – 195 microns Wet Film

Temperature:	50 ± 10°F (10 ± 5°C)	77 ± 10°F (25 ± 5°C)
1) Touch Time:	2 hours	1 hours
2) Recoat Time:	8 hours	4 hours
3) Dry Hard Time:	24 days	14 days

Performance Properties

<u>Property</u>	<u>Test Method</u>	<u>Results</u>
Adhesion	ASTM D-3359	Excellent 5/5 (rating: 0-5 (5=best)) steel, aluminum
Flexibility	ASTM D-522	Passes
Impact Resistance	ASTM D-4226	>170 in/lb. direct and indirect impact
Corrosion, Rust, Adhesion, Humidity, Blistering, and Condensation resistance	ASTM D-2247(500 hours) ASTM D-610/D-714	Excellent 10/10 (rating: 0-10 (10=best))
Accelerated Weathering Resistance	ASTM D-4587; (1,000 hours) QUV	Passes with gloss retention >80%
Salt Spray	ASTM B117 (500 hours) ASTM D-610/D-714	Excellent 9/10 (rating: 0-10 (10=best))
Working Property	ASTM D-2932	Passes
Condition in Container	Low temp: 40°F ± 3° (2 weeks) High temp: 100°F ± 3° (2 weeks)	Passes Passes

Safety

Refer to the Material Safety Data Sheet (MSDS) before using this product, for safe use, handling and storage.

Other Information

HEALTH AND SAFETY INFORMATION

Refer to Material Safety Data Sheet for health and safety information before using this product. Also, for additional information, please visit the website.

DISCLAIMER

The material in this Technical Data Sheet (TDS) is, to the best of our knowledge, accurate as of the date issued. However, neither the product nor any of its subsidiaries or agents assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. Given the quantity of variables that affect use and application of our products, many of which are within the user's control and unique to each user's knowledge, STIC-ADHESIVE MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE TO TRADE.