

### Product Description

Luxury Metrol is a low VOC, 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. Luxury Metrol is recommended to be used with our Primer.

### Application Properties

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| 1) Volatile Organic Compound:<br>(VOC EPA Method 24) | <140 g/L, 1.2 lb/gal                  |
| 2) Color:  | White<br>(available with 1008 colors) |
| 3) Finish:   | High-gloss                            |
| 4) Weight Solids:                                    | 49% ± 2%                              |
| 5) 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, Galvanized, Wood, Masonry & Concrete:	1 coat of Primer, applied at 3-5 mils (75-125 microns) dry thickness; 1-2 coats of Luxury Metrol, applied at 3-4 mils (75-100 microns) dry thickness. Note: 2 coats top coat provides best protection.
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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.
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### 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) |
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| 2) Galvanized, Aluminum | other foreign material)<br>Solvent clean (removing oil, grease, dirt and other soluble foreign material)    |
| 3) Masonry & Concrete   | Prepare surface to be clean and uniform (removing laitance, dust, loose concrete, and foreign contaminants) |

**Recommended Coverage Per Coat (Dry Film)**

1) Coverage	ft <sup>2</sup> /gal	m <sup>2</sup> /L
Minimum:	155 ± 20 sq. ft	3.8 ± 0.5 sq. meters
Maximum:	205 ± 20 sq. ft	5.1 ± 0.5 sq. meters
2) Wet Film Thickness per coat:	6-8 mils (min/max)	150-200 microns (min/max)
3) Dry Film Thickness per coat:	3-4 mils (min/max)	75-100 microns (min/max)
4) Theoretical Coverage of Dry Film:		
Dry film thickness	1 mil	620 ft <sup>2</sup> /gal
Dry film thickness	25 micron	15 m <sup>2</sup> /L

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

**Recoat Schedule @ 3 mil (75 microns) Dry Film – 6 mil (150 microns) Wet Film**

<b>Temperature:</b>	<b>50 ± 10°F</b> (10 ± 5°C)	<b>77 ± 10°F</b> (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

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### Safety

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

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### 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

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