



IRON GUARD® ACRYLIC ENAMEL

Iron Guard® Acrylic Enamel, is a high gloss, 100% acrylic, waterborne, corrosion resistant coating for light to moderate industrial use. Designed for new construction or maintenance use and can be used directly over prepared substrates.

- ✓ Breakthrough acrylic technology
- ✓ Low VOC / Low Odor
- ✓ Direct to new & clean metal without a primer
- ✓ Chemical and corrosion resistant
- ✓ Fast drying
- ✓ Outstanding early moisture resistance
- ✓ Flash rust/early rust resistant
- ✓ Outstanding adhesion

INDUSTRIAL USE ONLY! AS OF 01/01/16 COMPLIES WITH:

- OTC
- EC
- SCAQMD
- CARB
- LADCO

krylonindustrial.com
1-800-247-3266

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RECOMMENDED USES

For use over prepared substrates in industrial environments.

- Ornamental Iron
- Tanks & cylinders
- Steel fabricated parts
- Equipment
- Machinery
- Metal buildings
- Select marine structures
- Piping
- Hand Rails

RECOMMENDED SUBSTRATES

- Steel
- Iron
- Aluminum
- Galvanizing
- Concrete
- Masonry
- Wood
- Zinc rich primers
- Cement Board/Fiber Board

RECOMMENDED SYSTEM

Steel (DTM):

2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

Steel (w/Primer):

1 ct. Iron Guard® Primer (K000Z6631)
@ 2.5 - 4.0 mils dft
1- 2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

Aluminum:

2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

Galvanizing:

2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

Concrete Block:

1 ct. Block Filler (K000Z8465)
@ 10.0 - 18.0 mils dft
1- 2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

Concrete/Masonry:

1 - 2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

Wood (Exterior):

1 ct. Rust Tough® Alkyd Primer @ 1.5 mils dft/ct
2 cts. Iron Guard® Acrylic Enamel
@ 2.5 - 4.0 mils dft/ct

CAUTION

Thoroughly review product label for safety and cautions prior to using this product. A Safety Data Sheet is available from your local Krylon Industrial Coatings Distributor. Please direct any questions or comments to your local Krylon Industrial Coatings Distributor.

Note: The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, Krylon Products Group cannot make any warranties as to the end result. Please direct any questions or comments to 1-800-777-2966.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

PREVIOUSLY PAINTED SURFACES

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new peeling surface as above.

IRON AND STEEL

Minimum surface preparation is Hand Tool Clean per SSPC- SP2. Remove all oil and grease from surface by Steam Cleaning per SSPC-SP1, do not use hydrocarbon solvents. For better performance, use Commercial Blast Cleaning per SSPC-SP6.

ALUMINUM

Remove all oil and grease by Steam Cleaning per SSPC-SP1, do not use hydrocarbon solvents. Self-priming.

GALVANIZING

The surface should be weathered for six months prior to painting. Remove all oil and grease by Steam Cleaning per SSPC- SP1, do not use hydrocarbon solvents. Self-priming.

CONCRETE & MASONRY

Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F before filling. Use Block Filler (K000Z8465). Filler must be thoroughly dry before topcoating per manufacturer's recommendations.

WOOD

Surface must be clean, dry, and sound. Knots and pitch streaks must be scraped, sanded and spot primed with Rust Tough Alkyd Primer prior to application of topcoats. Two full coats are recommended.

TECHNICAL DATA

Finish	High Gloss, 80+ units @ 60°
Shelf Life	36 months, unopened, at 77°F
Tinting	Tint with Blend-A-Color® Colorants at 100% tint strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color. Tinting can affect the flash/early rust resistance of the coating.
Volume Solids	34% ± 2%, may vary by color
Weight Solids	43% ± 2%, may vary by color
Weight/Gallon	10.2 lb/gal
VOC (EPA Method 24)	<100 g/L

TECHNICAL DATA *CONTINUED*

RECOMMENDED SPREADING RATE:

	Wet mils: 6.5-10.0
	Dry mils: 2.5-4.0
Coverage	218 - 136 sq ft ² /gal approximate.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule	@ 77°F & 50% RH @ 8 wet mils
To Touch	15 - 30 minutes
To Handle	1 - 2 hours
To Recoat	4 hours
To Cure	30 days

Note: Drying time is temperature, humidity, and film thickness dependent.

Flash Point	>200°F, PMCC
Reducer / Clean-Up	Water

PERFORMANCE TESTS

System Tested	unless stated otherwise
Substrate	Steel
Surface Preparation	SSPC-SP10
Finish	2 cts. Iron Guard® Acrylic Enamel @ 3 mils dft/ct
Adhesion	
Method	ASTM D4541; >2000 psi.

Direct Impact Resistance

Method	ASTM G14
Result	160 in. lbs

Flexibility

Method	ASTM D522, 180° bend, 1/8" mandrel
Result	Passes

Water Resistance @ 100% RH

Method	ASTM D2247-99
Result	One week not affected

Flexibility

Method	ASTM D522, 180° bend, 1/4" mandrel
Result	Passes

Pencil Hardness

Method	ASTM D3363
Result	2B

Salt Fog Resistance

Method	ASTM B117, 500 hours
Result	Excellent

QUV

Method	ASTM D4587, 1000 hours
Result	Excellent



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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Krylon Industrial. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Krylon Industrial dealer or representative to obtain the most recent Product Data Sheet.