

# COLOR GUIDE

Air Distribution & Equipment Products





## GRD/SPECIALTY PRODUCT FINISHES

Krueger has a broad range of liquid and powder paint solutions available, as well as custom color matching to meet the needs of most air distribution applications. Additionally, we offer a variety of Aluminum anodized colors for customers who may require the aesthetics and surface characteristics which these finishes offer.

Applied in our state-of-the-art paint facilities, Krueger product finishes take full advantage of the most current, cutting-edge technology available. From standard paint finishes, custom color matching, antimicrobial powder paint coatings, and Aluminum anodizing, Krueger has a product finish that is right for you.

### Film Properties

PROPERTY	TEST METHOD	STANDARD E-COAT VALUE	STANDARD POWDER COAT VALUE	ANTIMICROBIAL POWDER COAT VALUE
Film Thickness	N/A	1.0 - 1.2 mils	2.3 - 3.7 mils	2.3 - 3.7 mils
Gloss: 60-degrees	ASTM D523-89	60 - 70%	60 - 70%	55 - 65%
Pencil Hardness	ASTM D3363-92A	HB - H	H - 2H	H - 2H
Crosshatch Adhesion	ASTM D3359-83	Crosshatch 3B	4A - 5A	4A - 5A
Impact	ASTM D2794-93	Direct: >100 in/lb Reverse: >80 in/lb	N/A	N/A
Salt Spray	ASTM B117-9048	100 Hours	1000 Hours	1000 Hours
Humidity	ASTM D2247-92	> 500 Hours	1000 Hours	1000 Hours
Water Soak	ASTM D870-92	250 Hours	N/A	N/A
Conical Mandrel	ASTM D522	N/A	1/8" Conical Bend No Cracking Shows	1/8" Conical Bend No Cracking Shows

## STANDARD POWDER PAINT

### Description

Krueger's powder paint coatings are aesthetically pleasing, provide excellent physical and chemical resistance properties, and produce a durable uniform finish. Additionally, they are antiseptically manufactured to meet the increasingly stringent requirements of the commercial, industrial, healthcare and laboratory markets, and are used exclusively on Krueger's world-class critical environment diffusers.

### Method of Application

After assembly, products go through a multi-staged wash and pretreat system, are oven dried, then coated with 2.0 to 3.0 mils of powder paint. The products then move through an oven and are baked at a temperature of 425°F until fully cured.

## STANDARD LIQUID PAINT

### Description

Krueger's standard paint selections use an anodic electrocoating process that produces a durable, thorough, controllable, corrosion-resistant finish on all products.

### Method of Application

After assembly, products are washed, rinsed, pretreated with zirconium phosphate, and then rinsed again. They are then suspended from an anodic hook and dipped into a high performance electrocoating tank. Following electrocoating, products are dried and baked in a forced air oven at a peak temperature of 310°F until cured.

### Antimicrobial Powder Coat

Krueger's antimicrobial powder coat paints help reduce the undesirable effects of odors and stains caused by bacteria, mold, mildew, and fungi on the coating. They also resist fingerprints and smudges, which help them stay cleaner between scheduled routine maintenance. When cleaning is necessary, they can be wiped down with a mild soap and water solution.

Antimicrobials within the paint decrease microbial growth by disrupting the microorganisms when they make contact with the surface. A short period of time after contact, the bacteria levels begin to reduce to unmeasurable levels\*. Even better, these coatings are environmentally friendly and are considered to be RoHS and REACH-compliant solutions.

*\*DISCLAIMER: This product is formulated with antimicrobials to help suppress the growth of odor and stain-causing microorganisms on the coating. It is not intended as a substitute for good hygiene or to prevent foodborne or infectious illnesses.*

## GRD/SPECIALTY PAINT & ANODIZE COLOR OFFERING

SELECTION	COLOR & CODE	SWATCH
Standard Paint Selection <sup>1</sup>	Mill (01)	Untreated Production Material
	British White (44)	
Optional Paint Selection <sup>1</sup>	British White Antimicrobial (4A)	
	Off White (49)	
	Alumican (10)	
	Alumican Antimicrobial (1A)	
	Canyon Brown (32)	
	Black (35)	
Anodized Selection <sup>2</sup>	Clear Anodize (81)	
	Light Bronze Anodize (84)	
	Medium Bronze Anodize (85)	
	Dark Bronze Anodize (86)	
	Black Anodize (87)	
Custom Selection	Custom Color Match (07)	

NOTES:

**All finish types shown are NOT available with all products.** Please see Krueger's Product Catalog or website for available finishes per product.

Standard finish options are Mill (untreated production material) or British White. **For other paint selections or paint matching, additional fees may apply.**

All finishes and colors shown serve as a guide only. Please contact your local Krueger Representative for an actual sample.

<sup>1</sup> Powder coat British White and Antimicrobial White are standard with certain critical environment products only. See Krueger for details.

<sup>2</sup> Anodized options are only available with select aluminum products. See Krueger for details.

**ADVISORY:** White can be used as a primer coat. For field finishing, white coating must be sanded lightly.

## FAN COIL UNIT STANDARD POWDER PAINT

### Description

Krueger offers three powder coat paint finishes for fan coil units. The standard color is Pearl White, with British White is an alternative. Brite White is also available, but it must be special quoted.

### Method of Application

Before final assembly, all coated panel products go through a multi-staged wash and pretreat system, which are then oven dried and coated with 2.0 to 3.5 mils of powder paint. The products then move through an oven and are baked at temperatures of 355°F to 400°F until fully cured.

### Film Properties

Below are the listed film properties and color swatches, but the best way to see our finishes would be to request a sample, which can be requested by your local [Krueger Representative](#).

### Touch-up and Field Coatings

Exposed cabinet units will be furnished with a powder coat paint finish. In the occurrence of incidental scratches, these small scratches in the finish may be repaired with touch-up spray paint available from the factories.

Repainting over factory powder coat finish:

- The surface should be lightly sanded with #280 grit sandpaper or #000 steel wool. The surface may also be wiped down with a liquid surface etching product. (Note: the more attention during this procedure will result in a more effective coating outcome.)
- After preparing the surfaces, the factory finish should offer excellent adhesion for the air-dried topcoats. All standard colors can be painted over. Factory touch-up spray paint may require several light coats to isolate the factory finish.

PROPERTY	TEST METHOD	Pearl White * Polyester Powder	British White * Polyester Powder	Brite White * Polyester Powder
Film Thickness	N/A	2.5- 3.5 mils	2.0- 3.5 mils	2.0- 3.5 mils
Gloss: 60°	ASTM D523	5 - 12	4 - 10	4 - 10
Pencil Hardness	ASTM D3363	2H	2H	2H
Crosshatch Adhesion	ASTM D3359	5B	5B	5B
Impact	ASTM D2794	160 in/lb	160 in/lb	160 in/lb
Salt Spray	ASTM B117	1000	1000	1000
Conical Mandrel	ASTM D522	1/4 in	1/4 in	1/4 in
Standard (S) Optional (O) Special Quote (SQ)	N/A	S	O	SQ
Paint Sample Part #	N/A	00-13170-01	00-13170-03	00-13170-02
Touch-up Spray Can Part #	N/A	PR-21-0001	PR-21-0041	PR-21-0008
Color Swatch	N/A			

\* Test Sample - 4"x6" - 0.032" matte cold-rolled steel with a 7 stage Iron Phosphate pretreatment.

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## PROUD TO BE YOUR RESOURCE FOR AIR DISTRIBUTION AND EQUIPMENT SOLUTIONS

Let us know how we can assist you in your next building application. For more information, contact your local Krueger representative or visit us on the web at [www.krueger-hvac.com](http://www.krueger-hvac.com).

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### CHILLED BEAMS

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Perforated  
Modular Core  
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