

# KL4400 SERIES

## ANODIC SELF-PRIMING PAINT

### DESCRIPTION

One-component, alkyd / oil resin, zinc dust

### PRINCIPAL CHARACTERISTICS

- Single component, high-build, high solids, rust inhibitive coating designed such that a single coat will provide long term protection
- Excellent corrosion protection properties
- Self Priming in many applications
- High solids, VOC compliant
- Can be applied and dries at temperatures down to 35°F (2°C) as long as temperatures are expected to rise over the following months
- Can be used for painting weathered galvanized or previously painted surfaces of transmission or communication towers, poles, substation structures, chain link fencing, buildings and bridges

### COLOR AND GLOSS LEVEL

- Green Gray, gray, and shades of gray
- Flat

### BASIC DATA AT 25°C (77°F)

Data for mixed product	
Number of components	One
Volume solids	92 ± 2%
VOC (Supplied)	EPA Method 24: 0.5 lb/US gal (64.7 g/l)
Recommended dry film thickness	6.0 - 10.0 mils (150 - 250 µm) depending on system
Theoretical spreading rate	6.1 m <sup>2</sup> /l for 150 µm (245 ft <sup>2</sup> /US gal for 6.0 mils)
Dry to touch	24 hours at 25 °C (77°F)
Dry to topcoat	2 months
Dry to handle	3 days
Shelf life	At least 24 months when stored cool and dry

#### Notes:

- Values are calculated using KL4407, Anodic S/P Gray. Values will vary with color
- Drying times listed may vary depending on temperature, humidity and air movement
- Not recommended for shop application



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### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- For application to steel surfaces
- Can be applied to previously painted surfaces in sound condition
- For application to weathered galvanized surfaces
- Coating performance is, in general, proportional to the degree of surface preparation
- The surface to be coated must be properly prepared, dry, clean and free of contamination. Minimum surface preparation is SSPC-SP2 Hand Tool Cleaning
- LIMITATIONS FOR USE: For professional use only; not intended for household use.

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#### **Weathered galvanized steel - Phase I Tower Condition**

- Coffee stain rust (cosmetic)
- Approximately 1-2 mils galvanization left

Note: Use SSPC-SP1 then apply 1 coat KL4400 SERIES Anodic Self-Priming Paint (desired color)

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#### **Previously painted surfaces in good condition - Phase I Tower Condition**

- Coffee stain rust (cosmetic)
- Approximately 5% rust

Note: Use SSPC-SP1 then apply 1 coat KL4400 SERIES Anodic Self-Priming Paint (desired color)

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#### **Previously painted surfaces in poor condition with some localized corrosion - Phase II Tower Condition**

- Abrasive rust
- On bolts, angles, edges and horizontal flat areas
- Rust falls off when finger touches it

##### Notes:

- Use SSPC-SP2 or SP3 followed by SSPC-SP1
- Spot prime with KLC2129 Kolor-Poxy Penetrating Sealer
- Spot to Full Primer as needed using either KL6000 Tri-Polar Ferrite Primer or Speedhide 6-208
- Apply 1 coat KL4400 SERIES Anodic Self-Priming Paint (desired color)

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#### **Previously painted surfaces in very poor condition with > 35% corrosion - Phase III Tower Condition**

- Extensive abrasive rust

##### Notes:

- Use SSPC-SP2 or SP3 followed by SSPC-SP1
- Severe corrosion may require SSPC-SP6 (contact local PPG PMC sales representative for specific recommendation)
- If abrasive blast preparation is not possible, use SSPC-SP11, power tool cleaning to bare metal (ISO-St3)
- Full prime with KLC2129 Kolor-Poxy Penetrating Sealer
- Full prime using either KL6000 Tri-Polar Ferrite Primer or Speedhide 6-208
- Use SSPC-SP1 then apply 1 coat KL4400 SERIES Anodic Self-Priming Paint (desired color)



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### **Substrate temperature**

- DONOTUSE Above 130°F (54°C) and below 35°F (2°C), and at least 5°F (3°C) above dew point during application and curing
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### **Warning**

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSH approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

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### **INSTRUCTIONS FOR USE**

- Mix thoroughly before application
  - Mix full units as packaged only. Mix with a heavy duty mud mixer with a 1/2" shaft and suitable power drill.
  - If mechanical mixing is not possible mix the KL4400 SERIES by "Boxing" between two containers at least 10 times or as necessary to assure that the entire container is uniform in consistency and smoothness.
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### **Material temperature**

If components have been stored above 32°C (90°F), cool between 7°C (45°F) and 32°C (90°F)

Note: Caution - Material stored at elevated temperatures for extended periods of time (in excess of one year) may generate gas internally and cause damage to the container allowing paint to leak out.

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### **Airless spray**

- Thin up to 25% by volume with Thinner 20-05 as needed
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### **Brush/roller**

- Use a high quality natural bristle brush
- Use a 3/8" to 1/2" nap roller with a solvent resistant core
- Application using a "mitt" is an acceptable method and in many cases the preferred method
- Roller application for chain link fencing should be with a long nap type one to one and a half inches deep

### **Recommended thinner**

Thinning is NOT recommended for brush, roller, or mitt application

### **ADDITIONAL DATA**

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### SAFETY PRECAUTIONS

- **DANGER:** Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to [www.hpc.com](http://www.hpc.com) Spontaneous Combustion Advisory for additional information.
- Animals are attracted to the KL4400 SERIES, therefore empty cans should be disposed of properly and not left at the jobsite. Furthermore, animals should be kept away from freshly painted structures with temporary fencing for 30 days.

### WARRANTY

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### AVAILABILITY

#### Packaging

5-gallon containers

Product codes	Description
KL4401/05	Green Gray
KL4404/05	Galvanize Gray
KL4404S/05	Galvanize Gray Stainless Steel
KL4407/05	Sky Gray

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