



# PRECAT EPOXY

**K-Z7100 Series – Eggshell**  
**K-Z7200 Series – Semi-Gloss**

Acrylic PreCat Epoxy is an interior, single component, pre-catalyzed waterborne acrylic epoxy with the durability, adhesion and resistance to stains and cleaning solvents similar to two-component waterborne acrylic epoxies. Ideal for institutional and commercial high maintenance areas.

- ✓ Single component, pre-catalyzed
- ✓ Excellent adhesion
- ✓ Corrosion and chemical resistant
- ✓ Suitable for use in USDA inspected facilities
- ✓ Interior use

**INDUSTRIAL USE ONLY!**  
AS OF 01/01/2016 COMPLIES WITH:

- OTC
- EC
- SCAQMD
- CARB
- LADCO
- \*\*MPI SPEC#: 151, 153

**krylonindustrial.com**  
1-800-247-3266

Revised June 2016

## RECOMMENDED USES

- Steel
- Iron
- Aluminum
- Galvanized Metal
- Concrete Block
- Masonry
- wood
- previously painted surfaces

## RECOMMENDED SYSTEMS

### Steel, Aluminum, Galvanized Metal

- 1 coat Krylon Industrial Iron Guard Primer
- 2 coats Krylon Industrial Acrylic PreCat Epoxy

### Concrete, Masonry

- 1 coat Acrylic Block Filler
- 2 coats Krylon Industrial Acrylic PreCat Epoxy

### Concrete Block

- 1 coat Block Filler
- 2 coats PreCat Epoxy

### Wood

- 1 coat Primer
- 2 coats PreCat Epoxy

### Previously Painted Surfaces

- 2 coats PreCat Epoxy

## SURFACE PREPARATION

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other 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 respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

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. **Do not use hydrocarbon solvents for cleaning.**

### IRON AND STEEL

Minimum surface preparation is Hand Tool Clean SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

### ALUMINUM

Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

### GALVANIZED METAL

Surface should be exterior weathered for 6 months prior to painting. Remove all oil and grease per SSPC-SP1. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime cleaned area the same day with Krylon Industrial Universal HP Acrylic Primer.

### CONCRETE AND MASONRY

For surface preparation, refer to NACE 6/SSPC-SP13 or ICRI 03732, CSP 1-3. Surface should be thoroughly clean & dry. Surface temperatures must be at least 55°F before filling. If required for a smoother finish, use Krylon Industrial Acrylic Block Filler. Filler must be thoroughly dry before topcoating per label instructions. Weathered masonry & soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination & to get a hard, firm surface. Apply one coat Krylon Industrial Masonry Surface Conditioner, per label instructions.

**Drywall:** Wipe with a damp cloth to remove dust. Allow to dry. Fill cracks & holes with spackling compound and sand smooth. Joint compound must be cured and sanded smooth. Remove all sanding dust.

**Plaster:** All new surfaces must be hard and cured according to the supplier's recommendations—usually at least 30 days. Treat textured, soft, porous, or powdery plaster with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry.

The information and recommendations set forth in the 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.

**TECHNICAL DATA**

<b>Vehicle</b>	Acrylic Epoxy
<b>Finish</b>	Eggshell (25-35 units @ 85°) Semi-Gloss (55-65 units @ 60°)
<b>Flash Point</b>	101°F, PMCC, mixed
<b>Volume Solids</b>	Eggshell: 37 ± 2 Semi-Gloss: 36 ± 2
<b>Weight Solids</b>	Eggshell: 51 ± 2 Semi-Gloss: 49 ± 2
<b>Weight/Gallon</b>	Eggshell: 10.6 lb/gal Semi-Gloss: 10.3 lb/gal
<b>VOC</b> (less exempt solvents)	
	Eggshell <143 g/L – 1.19 lb/gal as per 40 CFR 59.406 Semi-Gloss <145 g/L – 1.21 lb/gal as per 40 CFR 59.406
<b>Rec. Film Thickness</b>	4.0 mils wet 1.5 mils dry
<b>Spread Rate</b>	350-400 sq. ft. per gallon
<b>Application</b>	Apply by airless spray, brush or roller
<b>Drying Time</b>	@ 77°F, 50% R.H. Temperature and humidity dependant
<b>To Touch</b>	1 hour
<b>To Handle</b>	8 hours
<b>To Cure</b>	5-7 days
* If this product dries 72 hours or longer it must be sanded before being recoated.	
<b>Reduction</b>	Not recommended
<b>Cleanup</b>	Soap and water
<b>Tinting</b>	BAC®, Charisma™, GeoShades™ B3, Pratt & Lambert®
<b>Sizes</b>	1 Gallon, 5 Gallon

**APPLICATION**

<b>Temperature</b>	(air, surface and material) 50°F minimum 120°F maximum at least 5°F above dew point
<b>Relative Humidity</b>	85% maximum
<b>Reducer</b>	Do not reduce
<b>Relative Humidity</b>	85% max
<b>Reducer/Cleanup</b>	Soap & Water
<b>Airless Spray</b>	
Pressure	1800 – 2700 psi
Tip	.015" - .021"
Reduction	Not Recommended

**APPLICATION CONTINUED**

<b>Brush</b>	
Brush	Nylon/polyester
Reduction	Not recommended
<b>Roller</b>	
Cover	1/4" – 1/2" woven
Reduction	Not recommended

**PHYSICAL TEST DATA**

<b>System Tested</b>	
Substrate	Steel
Surface Preparation	SSPC-SP6
Primer	1 coat Universal Iron Guard Primer
Finish	1 coat Universal Iron Guard Primer
<b>Adhesion</b>	
Method	ASTM D3359
Result	5B

Note: 100% adhesion for light colors; darker colors require longer cure time for same level of adhesion

**Block Resistance**

Method	Lab Assessment
Result	Excellent

**Chemical Resistance**

Method	ASTM D1308
Result	Excellent resistance to Distilled Water (hot and room temperature), Ethyl Alcohol, Vinegar (3% acetic acid), Alkali (10% sodium hydroxide), Acid (10% sulfuric acid), Soap (10% Fantastik®), 50/50 Xylene/Mineral Spirits

**Pencil Hardness**

Method	ASTM D3363
Result	2B

**Scrub Resistance**

Method	ASTM D2486
Result	500-600 cycles

**Stain Resistance**

Method	ASTM D3023
Result	Excellent resistance to mustard, grape juice, lipstick, coffee, alkali (10% sodium hydroxide) and acetic acid. Limited resistance to red crayon and permanent ink.

**CLEAN-UP**

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

**CAUTION**

Not for use on surfaces continuously wet or under water, such as bath tubs, sinks, showers, or countertops



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