

## Product Data Sheet



PPG High Performance Coatings

Keeler & Long/PPG  
856 Echo Lake Road  
Watertown, CT 06795  
1-800-238-8596

*Kolor-Zinc™**Inorganic Zinc Rich Primer***Product Information**

*Product Code:* KLC8810 Gray  
KLC8812 Green  
*Product:* Ethyl silicate and metallic zinc  
*Suggested Use:* Use in industrial service on properly prepared ferrous metal surfaces where galvanic type protection is needed.

**Product Description**

*Color:* Gray or Green  
*Gloss 60°:* Matte  
*VOC:* 3.83 lbs./gal. (460 g/L)  
*Method:* Calculated  
*Weight/Gallon:* 17.4 ± 0.5 lbs./gal.  
*In Service Heat Limitations:* Continuous service Dry: 750°F (399°C) maximum.  
Intermittent service Dry: Up to 800°F (427°C).  
Immersion service: 140°F (60°C) maximum.  
*Flash Point:* 40°F (5°C)  
*Package:* Available in full filled one and five gallon containers  
*Percent Solids by Weight:* 73.8 ± 2.0%  
Zinc content: 83.4% minimum in the dry film by weight.

**Drying Schedule**

*Air Dry @ 77°F (25°C) ASTM D5895*  
*Dry to Touch:* 30 to 60 minutes  
*Dry to Handle:* 2 to 4 hours  
*Dry to Recoat:* 16 hours  
*Immersion Service:* Allow 48 hours dry at 77°F (25°C) or higher and 50% relative humidity.  
May be applied at relative humidities ranging from 30% to 85%. Relative humidities as high as 95% may be satisfactory, but it is difficult to achieve and maintain proper surface preparation above 85% relative humidity. At this elevated humidity, it will be impossible to conform to the dew point restrictions.

**Application Data**

*Substrate:* Ferrous metal

*Substrate Preparation:* The service life of the coating is directly related to the surface preparation. The surface to be coated must be properly prepared, dry, clean and free of contamination.

Immersion service: SSPC-SP10 (NACE #2) Near White Metal Blast minimum.

Non-immersion service: SSPC-SP6 (NACE #3) Commercial Blast minimum.

*Application Method:* Conventional Spray: Use a double regulated pressure pot equipped with an air agitator. DeVilbiss MBC gun, with a 64 air cap and "E" tip and needle or equivalent equipment.

Airless spray: Equipment capable of maintaining 1500 psi at the tip. Use 0.019" (0.483 mm) to 0.025" (0.635 mm) tip. Hose 3/8" (9.53 mm) diameter 100 feet (30.5 m) length maximum.

Note: When applying topcoats over Kolor-Zinc™, it is sometimes necessary to apply a mist coat of the topcoat prior to application of a full wet coat.

Refer to Application Guide APG-10 for additional information.

*Thinner Code & Percent:* Thinning is not normally required. In hot weather, KL7840T may be added up to 5% by volume. Care must be exercised because material thins rapidly and overthinning will cause rapid zinc settling.

*Pot Life:* Unlimited. Unused material may be used the next day by storing in the tightly sealed original container. A small amount of KL7840T may be floated on top to reduce crusting.

*Coverage Sq. Ft./Gal.:* 238 to 278 sq. ft./gal.

The statement and methods presented in this bulletin are based upon the best available data and practices known to PPG/Keeler & Long at the present time. They are not representations or warranties of performance, results or comprehensiveness of such data. Since PPG/Keeler & Long is constantly improving its coatings and paint formulas, future technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG/Keeler & Long Sales Representative for the most up-to-date information.

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*Kolor-Zinc™*  
*Inorganic Zinc Rich Primer*

**Application Data (continued)**

*Mixing Instructions:* Mechanical agitation must be used to completely disperse any settled zinc dust. Stir until mixture is uniform and free from lumps. Strain through a 30 to 60 mesh screen to prevent fluid tip plugging. Maintain constant agitation during use to prevent zinc dust from settling.

*Wet Film Per Coat:* 5.8 to 6.7 mils

*Dry Film Per Coat:* 3.0 to 4.0 mils

*Clean Up Solvent:* KL7840T or KL3100 Thinners

**Additional Information**

Apply only to surfaces with temperatures at least 5°F (3°C) above the dew point. Extreme caution must be exercised to avoid painting over ice when surface temperature is at or below 32°F (0°C). Can be applied at surface temperatures from 0°F (-17°C) to 140°F (60°C).

Store materials at temperatures between 50°F (10°C) and 90°F (32°C).

Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available by calling 1-800-238-8596.

Not intended for residential use.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation.

High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

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