



1K LV Etch Primer Base

LV Epoxy Primer Base is a 1K chromate free epoxy modified PVB etch and primer in one. It has excellent adhesion over a wide range of metal substrates. It can be used on previously painted surfaces in good condition. This is a tintable primer base and can be used to make any of the more than 15,000 colors in the Paladin Industrial Coatings range. This primer can be used under any Paladin topcoat.



Mix Ratio

Ready to use.

Can be reduced up to 40 – 100% using Paladin Zero VOC Reducers.



Suitable Substrates

- Mild steel surfaces
- Stainless steel grade 316
- Galvanized steel, zincalume, zincanneal
- Glass reinforced polyester (GRP & general types of fiberglass body parts)
- Aluminum
- Sound existing coatings



Surface Prep & Application

Sand and clean all areas prior to application with SCAT Wax & Grease Remover. Ensure all residue is removed prior to application. Lightly rusted surfaces must be treated with a Metal Converter.

Apply 1 coat followed by 2 medium wet coats.

Avoid heavy wet coats.

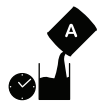


Flash/Dry Times (Air Dry) @ 77°F (25°C)

Flash Between Coats: 3 – 5 minutes.

Air Dry: 40 – 60 minutes.

Must be topcoated within 24 hours.



Pot Life

Indefinite – unreduced in a sealed cup.



Sanding:

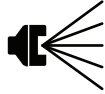
Wet sand with 600 – 800 grit before applying finish coat.

Dry sand with 400 – 500 grit before applying finish coat.



Gun Set-up

<i>Gravity Feed</i>	1.8 – 2.0 mm
<i>Suction Feed</i>	1.8 – 2.0 mm
<i>HVLP/LVLP</i>	1.5 – 1.8 mm



Air Pressure

<i>Gravity/Suction Feed</i>	30 – 35 psi at the gun
<i>HVLP/LVLP</i>	6 – 10 PSI at the gun



Technical Data & Physical Properties

<i>Mix Ratio</i>RTU	<i>Pot Life</i>Indefinite
<i>Theoretical Dry Film</i>205 ft ² @ 1.0 mil	<i>Dry Film Thickness</i>1.6 – 2.0 mils
<i>Volume Solids</i>26.8%	<i>Weight Solids</i>47.7%
<i>Actual VOC</i>1.77#/gal (212g/l)	<i>Regulatory VOC</i>3.39#/gal (406g/l)
<i>Viscosity (RTS)</i>BSB 4 Cup 18 – 19 sec; Ford 4 Cup 16 – 17 sec	

Shelf Life – 36 months minimum from date of manufacture in an unopened container at room temperature away from sunlight.



Limitations

Stir all components thoroughly each time before use.
Surface temperature must always be a minimum of 37°F (3°C) above dew point.
Ensure complete removal of any residue of rust converter before applying primer.



Safety

Read all directions, safety warnings and SDS before using any Paladin Industrial Coating Products. **For use by professionally trained painters only. Not for sale or use by the general public. Keep out of reach of children.**

LIMITED WARRANTY

The successful performance of this product is dependent on many factors beyond our control. Results are dependent upon the skill of the operator. This product is manufactured to meet the highest level of consistency and quality for the intended use. Paladin Industrial Coatings warrants that its products meet the specifications which it sets for them. Should this product be proven to be off-specification within one year from date of shipment, Paladin Industrial coatings will, at its sole discretion, either replace the product or issue credit for the original purchase price of the product. The replacement or refund shall be the buyer's sole remedy and Paladin Industrial Coatings and its affiliates MAKE NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, DESIGN COMPATIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. LABOR OR COST OF LABOR AND OTHER INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.