


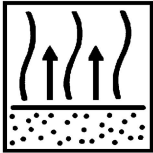




## AUTOPREP® ETCHING PEN

**DESCRIPTION:** The Autoprep Etching Pen allows the technician a convenient way to easily apply a self-etching, metal-prep coating that primes aluminum, bare steel and galvanized surfaces. Offering superior corrosion resistance and excellent adhesion for the paint system subsequently applied. This process is achieved by simply applying the solution by means of the Autoprep Etching Pen, an application technique similar to that of a felt-tip marker. This system is used to duplicate automotive manufacture corrosion resistance.

### PRODUCT & ADDITIVES:

**PRODUCT:** Autoprep Etching Pen  
**BASIC RAW MATERIAL:** Alodine® 1132, (chromic acid)

### APPLICATION:

- |    |   |  |    |  |  |
|----|---|--|----|--|--|
| 1. |   | Contains water-soluble compounds and chromic acid. Protect from splashing and vapors. Protect from skin contact. | 4. |   | 5 minutes at 70°F (20°C)<br>3 minutes at 80°F (27°C)         |
| 2. |  | To activate, press tip against firm surface. When felt tip is wet, pen unit is now ready for use.                | 5. |  | 15-20 minutes at 70°F (20°C)<br>10-15 minutes at 80°F (27°C) |
| 3. |  | 1-2x1<br>Apply in smooth even strokes with 50% overlap.  | 6. |  | Apply Lesonal Primer Surfacer or Primer Sealer.              |

### SUITABLE SURFACES:

- Steel, after degreasing and sanding with #P80 then #P120 grit paper dry or scuff with a red scuffing pad.
- Galvanized steel, after degreasing and sanding with #P120 to #P180 grit dry or scuff with a red scuffing pad.
- Aluminum, after degreasing, scuff with a red scuffing pad or sand with #P120 to #P180 grit dry.

**NOTE:** Because of the size of the application tool, limit treatment to small areas.

## AUTOPREP® ETCHING PEN

### SUITABLE SURFACES (Continued):

- NOTE:**
- For the best performance of this metal treatment, make sure the bare metal is as clean as possible, using Lesonal Surface Cleaner or Autoclean Surface Cleaner.
  - To avoid finger marks, wear latex gloves. This not only protects your skin, but also prevents perspiration and finger oil from contaminating the bare metal during the preparation and cleaning process.

### TO ACTIVATE ETCHING PEN:

To activate remove the cap, hold the applicator tip down and press the felt tip against a firm surface. This will open the valve allowing the Alodine 1132 solution to reach and wet the applicator tip. When the felt tip is wet, release pressure. The Autoprep Etching Pen is now ready to use.

**AFTER USE:** Simply replace the cap. This will prevent the felt tip from drying out.

**NOTE:** To recharge the etching pen, follow the procedure "to activate etching pen"

**POT LIFE:** None.

### RECOMMENDED CONDITIONS OF APPLICATION:

Minimum temperature: 60°F (15°C). A pre-warmed surface will result in a smoother coating

### APPLICATION METHOD:

With light pressure, apply one smooth coat using even strokes with approximately 50% overlap of the strokes. To create the best corrosion resistance and adhesion, let this first coat dry for 3 to 5 minutes at 70°F (20°C). Then apply a second coat at right angles to the first, (a cross coat).

**NOTE:** Do not over-apply, as this will cause puddling, slowing down the process. If puddling occurs, simply wipe the area with a clean towel, allow drying and then continue with the last coat.

### DRYING TIME:

	70°F (20°C)	80°F (27°C)
Recoat	15-20 minutes	10-15 minutes

**NOTE:** The drying may be speeded by directing low velocity air movement to the coating. Ideally this air should be heated up to 140°F (60°C). Such as that provided with a heat gun. In this case the dry time is between 3 to 5 minutes

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- SANDING:** Do not sand the Autoprep Etching coating.  
If it is necessary to sand this coating after the stated dry times, sand with #P180 grit paper dry. Clean thoroughly, and repeat the application with the Autoprep Etching Pen
- RECOATABILITY:** Alodine 1132 can be recoated (non-sanding) after 15 minutes but within 8 hours at 70°F (20°C) with any Lesonal primer surfacer or primer sealer.
- NOTE:** Never apply a polyester based product directly over areas treated with the Autoprep Etching Pen
- COVER RATE:** Approximately 100 sq.ft per single coat. 50 sq.ft per cross coat application.

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### STOCK KEEPING:

- COLOR:** Transparent, yellow-green
- CONTAINER SIZE:** Autoprep Chrome Free Pen: 1.3 fl/oz. / 40 Milliliters
- SHELF LIFE:** 2 years, if stored at room temperature. Protect from freezing.

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### SAFETY ASPECTS:

- VOC CONTENT:** Alodine 1132: 0 lb/gal 0 g/liter
- DISPOSAL:** Re-package empty pens and use the pre-printed return label provided inside each shipping carton to ship used pen containers back for proper disposal.  
**Note: Empty pen containers should only be shipped to address on pre-printed label.**
- NOTICE:** Do not handle until the Material Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an organic vapor respirator or air supplied respirator when exposed to vapors or spray mist. Use caution. DO NOT tamper with packaging. DO NOT try to refill.