

E-LAQ 525

Clear Air-Dry Water-Based Gloss Lacquer

E-LAQ 525 is an acrylic lacquer designed to provide exceptional benefits for coating metal surfaces or metals blackened with **EPI's Insta-Blak or Ultra-Blak** finishes. The only exception is it should not be used on copper and copper alloys.

Foremost among these benefits are its depth, clarity, and environmentally friendly and non-flammable chemical makeup.

Baking will increase hardness and durability.

E-LAQ 525 provides a water resistant, hard and clear finish, yet since it is a milky appearing liquid, it allows the user to gauge coverage and film depth as the part is coated.

Benefits

- *Water-based, environmentally friendly
- *Safe, non-flammable
- *Fast, hard, air dry
- *Clear when dry, opalescent while wet for film gauge
- *Provides good protection - up to 280 hours resistance to salt spray (baking does not reduce corrosion protection)
- *Excellent depth and clarity
- *Ready to use, easy application
- *Wide range of metal objects can be finished such as fasteners, belt buckles, costume jewelry, hardware and architectural metals.

Drying

Touch	20 minutes
Handle	30 minutes
Pack	12 hours or upon cooling if force dried
Hardness	2H pencil hardness after drying for 3 hours or after baking
Salt Spray	Up to 280 hours
Coverage	600-1000 square feet per gallon when used at full strength

Directions for Use

Recommended film thickness:
Wet: 1.0-3.0 mils.

Dry: 0.5 to 1.5 mils.

Parts may be dipped in the **E-LAQ 525** but spray application may be hindered by the viscosity of the product. If diluted with water, spraying will be made easier.

Surfaces must be clean and free of dirt, oil and rust. Although parts wet with water can be dipped into the lacquer, it is best if parts are dried before dipping to avoid dragging too much water into the lacquer. Corrosion properties are best when **E-LAQ 525** is used at full strength. 50% (or more) water can be added which will significantly reduce the corrosion protection.

Relative humidity, temperature and air flow will affect the drying and film forming characteristics of the coating. Under normal conditions, the water evaporates from the wet coating, leaving the coalescing solvent which flows out from the coating and then evaporates leaving a clear film. Under severe humidity or poor airflow, the coalescing solvent may evaporate before the water. When this occurs, the coating may stay wet and not form a clear film.

Keep container closed when not in use as solution surface may develop a film which may be skimmed off.

Solution Concentration

This can be controlled using **Zahn Cups**. The as is solution will give a time of approximately 52-54 seconds in a #2 cup and 22-24 seconds in a #3 cup.

Removal

The dried coating may be removed with acetone or lacquer thinner.

Caution

Store this product at temperatures above 32°F although if frozen it can be thawed.

E-LAQ 525 contains glycol ethers, which means that even at such low levels, it should be kept away from open flames and be ventilated while using.

Skin and eye contact should be avoided. Please see the Safety Data Sheet provided by **EPI** for specific safety precautions.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: seller's and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, the user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.

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