



125LV EPOXY LINING



PRODUCT INFORMATION BULLETIN

DESCRIPTION	Enviroline® 125LV is a specially formulated, spray applied hybrid epoxy lining. Enviroline 125LV is an ultra high solids and VOC compliant product designed to provide resistance to a wide range of chemicals and solvents. Enviroline 125LV also meets AWWA Standard C-210-03 performance requirements.	
TYPICAL USE	Internal lining for steel and concrete storage tanks, flooring and secondary containment areas, and as an external lining for buried pipeline. Acceptable for incidental food contact in USDA inspected facilities. Post addition of Enviroline ARA additive recommended in areas requiring increased abrasion resistance.	
BENEFITS	<ul style="list-style-type: none">- Gasoline and gasohol resistance- Excellent adhesion- Excellent impact & abrasion resistance- USDA incidental food contact	<ul style="list-style-type: none">- Ultra low VOC- Single coat application (20-40 mils)- Fast curing (Immersion service in 24 hours)- Economical
LIMITATIONS OF USE	See Enviroline Chemical Immersion Resistance Guide for exposure requirements or consult your Enviroline representative.	
TECHNICAL DATA	<p>Weight (lbs/gal): 12.22 Volume Solids: 96 ± 2% Color(s): Green Flash Point: 150°F Hardness (Shore D min.): 75-80</p>	<p>Pot Life (@77°F): 41 minutes Pot Life (@100°F): 21 minutes VOC (mixed lbs/gal): 0.40 maximum VOC (mixed g/l): 48 maximum Recommended Thickness: (floors) 20-40 mils DFT (walls) 12-16 mils DFT</p> <p>Temperature Resistance: Non-Immersion, Dry Heat: 300°F (149°C) Continuous immersion temperature resistance is dependent on particular reagent exposure. See Enviroline Chemical Immersion Resistance Guide or consult Enviroline representative.</p>
COVERAGE	<p>Theoretical Coverage*: 1539 sq. ft per gallon @ 1 mil dry @ 12 mils: 128 sq. ft per gallon @ 20 mils: 77 sq. ft per gallon @ 40 mils: 38 sq. ft. per gallon</p> <p><i>*When ordering product, make allowances for any loss due to overspray, surface irregularities, etc. (approx. 15 – 20%).</i></p>	
MINIMUM DRY TIME	<p>Coating 100°F, ambient 77°F and 50% relative humidity, ASTM D 1640: To Touch: 2-4 hours To Handle: 4-5 hours To Recoat: 3 hours</p> <p>Maximum Recoat: 6 hours</p>	
CURE SCHEDULE	<p>Shore D 75 – 80, ambient 77°F and 50% relative humidity: For Immersion Service: 24 hours</p> <p>Post Curing: It is not necessary for most applications, but Enviroline 125LV may be post cured to expedite curing or increase chemical resistance for extremely aggressive environments. Post cure for a minimum of 2 hours at 250°F or 6-8 hours at 150°F for maximum resistance. Consult Enviroline Technical Services Department for specific application information and cure requirements.</p>	
SURFACE PREPARATION	All surfaces must be clean and dry, free of dust, dirt, oil or other foreign matter. Steel surfaces shall be abrasive blasted to SSPC SP-5/Nace No. 1 White Metal finish with a minimum 3 mil angular profile for best results. Concrete shall be abrasive blasted or etched with 10%	

muratic acid. Use of a penetrating epoxy primer recommended for concrete. See Enviroline Technical Services Department for additional information.

APPLICATION EQUIPMENT

Airless spray system (GRACO 56:1 or higher recommended). Remove suction tube and place lower assembly in 5 gal. pail. For the first 50 ft., hoses should be 1/2" ID minimum; 3/8" recommended for additional length if necessary. A reversible tip (.029 - .035) is suggested. Pressure at the pump should be 100 psi or maximum recommended by equipment manufacturer. Teflon type packings recommended and are available from the pump manufacturer. Plural component equipment is also recommended, but not required. Keep in mind that plural component application requires volumetric check of the mix ratio.

For heavily pitted or porous steel, the spray-roll-spray technique is recommended. Spray apply approximately 50% of required film thickness followed immediately with a short nap roller or squeegee to work material into bottom of pitted areas. Follow the rolled or squeegee application with a spray application of the product to the remainder of the required film thickness. We recommend thinning the material with 2% Enviroline 76T Thinner to facilitate in this type of application. It is important to understand that this is a single coat, continuous application procedure. Consult Enviroline for more information.

MIX RATIO

2:1 by volume.

APPLICATION CONDITIONS

Apply at 5°F (3°C) above dew point. Use the following chart for preferred temperature and humidity conditions. These conditions plus adequate ventilation must be maintained throughout the curing cycle.

	Coating	Substrate	Ambient	Humidity
Preferred	95-105°F	70-120°F	70-100°F	N/A
Minimum	90°F	55°F	55°F	5° above dew point

HANDLING

Store at moderate temperatures (65-85°F) prior to application for ease of handling and mixing. Additional heating may be required and is recommended for spray application.

THINNING

Up to 2% Enviroline 76T Thinner may be added, but is not normally required. Thinning reduces hanging qualities of the lining and will slow curing. Add thinner while the resin and hardener are being thoroughly mixed. Consult Enviroline technical representative before adding more than recommended amount.

PRE-HEATING

For airless application, heat each component to 95-105°F prior to mixing. Consult Enviroline Technical Department if using plural component equipment.

MIXING

Mechanically pre-mix each component one minute; then mix combined compound with mechanical mixer at 400-600 rpm for 3 to 4 minutes. Enviroline custom designed mixing blade is recommended. Consult your Enviroline representative for more information.

CLEAN UP

Clean immediately with methyl ethyl ketone (MEK) or methyl isobutyl ketone (MIBK).

PACKAGING

One unit forms approximately 4 gallons consisting of two components:
Resin: 5 Gallon Pail **Hardener:** 2 Gallon Pail

Also available in 55 gallon drums. Please consult our Technical Services Department for additional information.

SHELF LIFE

2 years when stored at 75°F (24°C) unopened.

SHIPPING

F.O.B. Pompano Beach, Florida for domestic shipments, Ex-Works Pompano Beach for international shipments.

SAFETY

This product is for industrial use only and should be installed by qualified coating and lining specialists. Consult Material Safety Data Sheets for important health and safety information prior to use.

04/08*

**Enviroline continuously strives to improve its data sheets for the benefit of all users. The owner/applicator is responsible for obtaining the most recent Product Information Bulletin prior to the purchase or application of material.*



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