



PolyVers International  
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# Product Data Sheet

## **LC-25 Lock Coat Extreme Chemical Exposure Lock Coat**

**Product Description - PolyVers LC-25 Lock Coat** is a solvent borne Fluoroelastomer, offering outstanding chemical, temperature and permeation resistance. **LC -25** is designed to be used as a lock coat after the application of **PolyVers** Fast Set Spray materials. **LC-25** provides superior adhesion for the VT-40 Finish Coat. **LC-25** is a medium viscosity solvent borne coating suitable for most service environments.

**Uses – PolyVers LC-25** may be used with all **PolyVers** rapid curing polyurea sealants and spray coatings systems. **LC-25** is designed for use in severe duty environments subject to chemical and heat exposures.

### **Suitable for exposure to -**

- Acids
- Caustics
- Fuels
- Aqueous solutions

### **Advantages -**

- Excellent resistance to most harsh chemical environments
- Continuous operating temperature from -40°F to +400°F
- 500% elongation
- Very low coating permeability
- Excellent weather and UV resistance
- Will not harden or become brittle
- Will not shrink after cure

### **Physical Properties -**

Color		Black or Grey
Solids Content, %		25
Shore A Hardness	ASTM D2240	>45
Elongation	ASTM D638	500%
Tensile Strength, psi	ASTM D638	>1,800
Bond Strength, psi (Fast Set Spray coatings)	ASTM D4541	>200
Viscosity, cps,		<700
Tabor Abrasion (H-22 wheel, 1000 gr load)	Grams loss @1,000 cycles	0.011
Permeability (perm-inch)	ASTM E96	0.0042
Pot Life @ 70° F, 50% RH (After Catalyzed)		30 – 45 min.
Cure Time @ 70°F, 50% RH (longer cure in lower temperatures)		7 days

### **Packaging -**

- Four Gallon Kit: 4 gallons of **LC-25 Lock Coat** and a separate container of **CA-LC25/VT40 Catalyst**.
- One Gallon Kit: 1 gallon of **LC-25 Lock Coat** and a separate container of **CA-LC25/VT40 Catalyst**.

**Mixing - PolyVers LC-25** is a two-component product.

- Thoroughly mix **LC-25** insuring that any solids that may have settled are dispersed back into solution.
- Add provided **CA-LC25/VT40 Catalyst** to **LC-25** Lock Coat and mix thoroughly.
- May be applied with brush, roller, squeegee, or lambs wool applicator.

**Shelf Life -** One year, in original, unopened factory containers under normal storage conditions of 55°F to 95°F.

**Safety** - Read Material Safety Data Sheet before using. Seal container tightly after use to prevent introduction of moisture laden air.

**Application Recommendations -**

1. Apply **PolyVers** Fast Set Spray material. Apply **LC-25 Lock Coat** over Fast Set Spray material within 4 hours of application. Apply at a rate of 200 square feet per gallon using brush, roller, squeegee, or lambs wool applicator. Special care should be taken to insure all areas are completely and uniformly coated. Allow **LC-25 Lock Coat** to cure for 30 to 90 minutes prior to application of VT-40 Finish Coat.
2. Always insure that areas to be recoated are clean and dry prior to mixing and coating.

**Surface Preparation and Installation -** **PolyVers LC-25** is to be used in combination with **PolyVers** Fast Set Spray materials and VT-40 Finish Coat. Consult **PolyVers International** for specific installation instructions.

**Technical Services - Sales and Customer Support (913) 321-9000**

**Warranty** — **PolyVers International** will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.