



VersaFlex Incorporated
 686 S. Adams Street
 Kansas City, KS 66105
 913-321-9000
 913-321-1490 (Fax)

Product Data Sheet

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

Product Description- *VersaFlex LC-25 Lock Coat Primer* 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 *VersaFlex* Fast Set Spray materials and provides superior adhesion for the VT-40 Finish Coat.

Uses- *VersaFlex LC-25 Lock Coat* may be used with all *VersaFlex* rapid curing polyurea sealants and spray coating systems. **LC-25** is designed for use with VT-40 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
- Will not harden or become brittle
- Minimal shrinkage after cure

Physical Properties-

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Color		Black
Solids Content, %		25
Shore A Hardness	ASTM D2240	>45
Elongation	ASTM D638	500%
Tensile Strength, psi	ASTM D638	>1800
Bond Strength, psi (Fast Set Spray coatings)	ASTM D4541	>200
Viscosity, cps		<700
Tabor Abrasion (H-22 wheel, 1000 gr load)	ASTM D4060	0.011
Permeability (perm-inch)	ASTM E96	0.0042
Pot Life @ 70°F, 50% RH (After Catalyzed)		30 – 45 minutes
Cure Time @ 70°F, 50% RH (longer cure in lower temperatures)		7 days

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

Packaging-

- Four Gallon Kit: 4 gallons of **LC-25 Lock Coat** and a separate container of CA-**LC25**/VT-40 Catalyst.
- One Gallon Kit: 1 gallon of **LC-25 Lock Coat** and a separate container of CA-**LC25**/VT-40 Catalyst.

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

Thoroughly mix **LC-25** using a slow speed drill and jiffy mixer insuring that any solids that may have settled are dispersed back into solution. Maintain that the mixer is completely submerged in the material of the container to minimize air entrainment.

- Add provided CA-**LC25**/VT-40 Catalyst to **LC-25** and mix thoroughly.
- May be applied with brush, roller, squeegee, or lambs wool applicator.

Application Recommendations-

1. Apply **VersaFlex** Fast Set Spray material. Apply **LC-25 Lock Coat** over Fast Set Spray material within 24 hours of application. Apply at a rate of approximately 300 square feet per gallon using brush, roller, squeegee or lambs wool applicator. Special care should be taken to ensure 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 areas to be coated are clean and dry prior to coating.

Preparation and Installation- **VersaFlex LC-25** is to be used in combination with VT-40 Finish Coat and **VersaFlex** Fast Set Spray materials. Consult Application chart.

Safety- Review SDS at **VersaFlex.com**

Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

Precaution- This product contains Volatile Organic Compounds (VOC's) which may be released during and for some period after installation producing odors and affecting air quality. To avoid possible contamination of sensitive substances and for protection of human health, ensure proper air ventilation of work areas until odors completely dissipate.

Shelf Life- One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F (18°-35°C).

Technical Services- Sales and Customer Support 913-321-9000

VersaFlex Product Manufacturer's Warranty

During a period of one-year from date of shipping, VersaFlex Incorporated will refund the price of or replace, at its election, product it finds to be defectively manufactured, provided the product has been stored and used properly. Except as expressly stated herein, 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.